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A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®

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February 6, 2018

Oregon Public Utility Commission
Attn: Filing Center
P.O. Box 1088
Salem, OR 97308-1088

**RE: Cascade Natural Gas Corporation's 2018 Integrated Resource Plan**

Attention: Filing Center

Attached is Cascade Natural Gas Corporation's 2018 Integrated Resource Plan ("IRP").

If there are any questions regarding this request, please contact me at (509) 734-4589 or via email at mark.sellers-vaughn@cngc.com or Brian Robertson at (509) 734-4546 or via email at Brian.Robertson@cngc.com.

Sincerely,
CASCADE NATURAL GAS CORPORATION

Mark Sellers-Vaughn
Manager, Supply Resource Planning

CASCADE NATURAL GAS CORPORATION®

A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

# 2018
# Integrated Resource Plan

**February 6, 2018**

**CASCADE NATURAL GAS CORPORATION**
**2018 INTEGRATED RESOURCE PLAN**
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# SECTION 1

# EXECUTIVE SUMMARY

## Introduction

Cascade Natural Gas Corporation's (Cascade or the Company) Integrated Resource Plan (IRP or Plan) forecasts 20 years of expected system-wide customer and demand growth, and analyzes the most reliable and least cost supply side and demand side resources that could be used to fulfill future customers' gas service needs. Predicting how to best meet customers' future demand includes the consideration of possible policy changes and the resulting impact on customer prices, the Company's operations, and the ability of Cascade's distribution system to serve gas reliably as regional demand increases. This plan discusses these elements that impact how the Company may serve its customers from 2018 through 2037. While the Plan cannot predict the future, it is a useful guide. Below is a short summary of each section included in this IRP. The details regarding methodologies as well as specific results are found in the sections and the appendices.

**Key Points**

- Cascade's first resource deficiency is in 2020.
- The Company's two-year action plan provides the road map for resource acquisition.
- Load growth is forecasted to be 1.58% per year, or 34.6% over the 20-year planning horizon.
- The total avoided cost ranges between $0.4204/therm and $1.2078/therm over the 20-year planning horizon.
- Cascade projects 11.86 million therms of energy efficiency in Oregon over the 20-year planning horizon.
- This plan was informed by five Technical Advisory Group meetings, with active engagement by stakeholders.
- Cascade is fully committed to the IRP process, with significant new administrative approaches.
- Each section provides an *at-a-glance* summary of the key points.

## Section 2: Company Overview

Cascade has been providing gas service since 1953. Over the past 60 plus years, the Company has expanded its service territory by purchasing and merging with other small natural gas utilities. As of 2007, Cascade is a subsidiary of Montana Dakota Utilities (MDU) Resources Group, Inc. based in Bismarck, North Dakota, that owns and operates four distinct energy utilities.

Cascade serves over 282,000 customers located in smaller, rural communities across the states of Oregon and Washington. The Company's service territory poses challenges for operating an energy distribution system including the fact that the areas served are noncontiguous and the weather in each area can be vastly different. To capture this, Cascade groups its citygates into seven weather zones.

Cascade purchases natural gas from a variety of suppliers and transports the gas to its distribution system using three natural gas pipeline companies. Northwest

Pipeline LLC (NWP) provides access to British Columbia and domestic Rocky Mountain gas, Gas Transmission Northwest (GTN) provides access to Alberta gas, and Enbridge (Westcoast Transmission) provides access to British Columbia gas directly into the Company's distribution system.

## Section 3: Demand Forecast

Forecasting demand is useful for both long- and short-term planning. The Company began its demand forecasting process by looking at each citygate serving firm or uninterruptible service. These citygates were then assigned a weather zone because a significant portion of Cascade's customer usage fluctuates with the weather.

Cascade developed a normal, or expected, future weather year by shaping 30 years of proprietary, historical weather data. Heating degree day (HDD) values were assigned to each day in the model weather year. To ensure the Company will be able to serve its firm customers during extreme weather, the Company tested the model weather year three times, each time with a unique extreme weather event. The Company tested an average peak HDD (the average coldest day for each year in the last 30 years), a system-wide max peak HDD (the system-wide, single coldest day recorded in the last 30 years), and a max citygate peak HDD (the coldest HDD for each weather station in the last 30 years).

Peak day demand was then derived for each weather scenario by applying the HDD to the peak day forecast for each citygate.

Demand forecasting first requires a customer forecast. The Company developed a unique customer forecast for each county by incorporating population and employment growth data from Woods and Poole as well as from internal market intelligence into an ARIMA model.

Load growth across Cascade's system through 2037 is expected to increase by a range of 1.50% and 1.65% annually after smoothing the leap year anomaly. Load growth is split between residential, commercial, and industrial customers with residential and commercial customer classes expected to grow at a rate near 1.4-1.6% annually, while industrial expects a growth rate of around 1.9%.

After determining system-wide demand over the planning period by multiplying the use per customer times the number of customers in the forecast, Cascade stress tested its results with high and low scenarios for varying future economic conditions.

In absolute numbers, system load under normal weather conditions is expected to exceed 417 million therms in 2037. Residential customers are expected to grow from 53.1% of the total core load to 54.1% of the total core load by 2037.

Load across Cascade's two-state service territory is expected to increase 34.6% over the planning horizon, with the Oregon portion outpacing Washington at 41.6% versus 32.2%.

## Section 4: Supply Side Resources

Section 4 provides an in-depth description of the supply side options the Company considered in this Plan.

Cascade's gas supply portfolio is sourced from three areas of North America: British Columbia, Alberta, and the Rockies. The Company secures its gas through firm gas supply contracts and open market purchases.

Firm supply contracts commit both the seller and the buyer to deliver and take gas on a firm basis, except for during *force majeure* conditions. Supply contract terms for firm commodity supplies vary greatly with some contracts specifying fixed prices, while others are based on indices that float from month to month. Open market purchases are short-term and are subject to more volatile pricing.

The Company evaluates its demand curve and defines four categories of supply for meeting its demand. First are base load supply resources which are used for the constant demand that occurs all year and does not fluctuate based on weather. Base load supplies are meant to be taken day in and day out, 365 days a year. Next are winter supplies which meet demand occurring due to cooler weather. Winter gas supplies are firm gas supplies that are purchased for a short period during the winter months to cover increased loads, primarily for space heating. The contracts are typically three to five months in duration (primarily November through March which is commonly referred to as the heating season). Next are peaking gas supplies which are used when colder weather spikes demand. Peaking gas supplies, similar to storage, are firm contracts purchased only as load actually materializes due to high winter demand. That is, the seller must deliver the gas when the Company requires it, but the Company is not required to take gas unless it is needed to meet customer load requirements. Last are needle peaking resources which are utilized during severe or arctic cold snaps when demand increases sharply for a few days. These resources are usually very expensive and are normally utilized for short periods of time.

Cascade also utilizes natural gas storage to meet a portion of the requirements of its core market. Storing gas supplies, purchased and injected during periods of low demand, is a cost-effective way of meeting peak requirements of Cascade's firm market. Cascade does not own any storage facilities and, therefore, contracts with storage owners to lease a portion of those owners' unused storage capacity.

Cascade has contracted for storage service directly from Northwest Pipeline since 1994 at their Jackson Prairie and Plymouth facilities. Jackson Prairie is located in

Lewis County, Washington, approximately ten miles south of Chehalis. Plymouth is located in Benton County, Washington approximately 30 miles south of Kennewick. Both Jackson Prairie facilities and the Plymouth facility are located directly on NWP's transmission system. Therefore, storage withdrawal rates can be changed several times during a gas day to accommodate weather driven changes in core customer requirements.

Cascade uses interstate pipeline transportation resources to deliver the firm gas supplies it purchases from three different regions or basins. Cascade has over 30 long-term annual contracts with NWP, numerous long-term annual and winter-only transportation contracts with GTN (including the upstream capacity on TransCanada Pipeline's Foothills and Alberta systems), a long-term, winter-only contract with Ruby Pipeline, and one long-term annual contract with Enbridge (Westcoast Transmission) in British Columbia, Canada. These contracts do not include storage or other peaking services that may provide additional delivery capability rights ranging from nine to 120 days.

In order to evaluate the price of resource options, the Company analyzed gas price forecasts from various sources. Cascade used Wood Mackenzie, the EIA, NWPCC, and Cascade's trading partners to develop a blended long-range price forecast. With a monthly Henry Hub price from the above sources, the Company assigned a weight to each source to develop the monthly Henry Hub price forecast for the 20-year planning horizon. These weights were derived by calculating the Symmetric Mean Absolute Percentage Error (SMAPE or Errors) of each source versus actual Henry Hub pricing since 2010. The inverse of these Errors was then used to determine the weight given to each source.

In order to determine the low case and high case, the Company utilized the EIA economic growth factors which are 1.6 for the Low Case, 2.2 for the Reference Case, and 2.6 for the High Case.[1]

Besides currently used resources, Cascade considered alternative resources. Other potential incremental capacity options evaluated included: the cross-Cascades Trail-West pipeline; additional GTN capacity, NWP Eastern Oregon Expansion, NWP Express Project or the I-5 Sumas expansion project, NWP Wenatchee Expansion, NWP Zone 20 (Spokane) Expansion, Pacific Connector. Other storage options considered were: AECO, Gill Ranch Storage, Mist (the North Mist III expansion), Ryckman Creek Storage, and Wild Goose Storage.

Cascade also considered unconventional supplies such as satellite LNG, bio-natural gas, and the realignment of its Maximum Daily Delivery Obligations (MDDOs) on NWP.

[1] EIA 2017 Annual Energy Outlook

Long-term planning is not an exact science and the Company has considered various risks that may challenge the assumptions used in this analysis. Risk can stem from potential Federal Energy Regulatory Commission (FERC) or Canada's National Energy Board (NEB) rulings that may impact the cost or availability of gas. The Company also considers the risk that firm supply may not be available when Cascade needs it or that pricing could vary due to any factor impacting the economy of supply and demand.

To mitigate risk, Cascade constantly seeks methods to ensure price stability for customers to the extent reasonable. In addition to methods such as long-term physical fixed price gas supply contracts and storage, another means for creating stability is through the use of financial derivatives. Derivatives generally lock-in a forward natural gas price with a hedge, consequently eliminating exposure to significant swings in rising and falling prices. The Company's internal Gas Supply Oversight Committee (GSOC) provides oversight and guidance for the Company's gas supply hedging strategy.

## Section 5: Avoided Costs

The avoided cost is the estimated cost to serve the next unit of demand with a supply side resource option at a point in time. Avoided cost forecasts are used to establish a cost-effective threshold for demand side resources. If demand side resources cost as much as or less than the avoided cost, then the demand side resource is cost-effective and should be the next resource added to the Company's stack of resources.

Cascade's avoided cost includes fixed transportation costs, variable transportation costs, fixed storage costs, variable storage costs, commodity costs, a carbon tax, a 10% adder, and a hedge premium. Essentially, the avoided cost is the cost of the Company's resource stack on a per therm basis plus three values for benefits specifically acquired with energy efficiency.

The largest part of the avoided cost is the cost of gas. A carbon tax forecast was added in anticipation of carbon legislation. The Company included carbon at $10 per ton in 2018 with this cost of carbon escalating to $60 by 2038. This is based on a 2013 study performed by Portland State University.

Next, 10% is added to the total avoided cost to account for nonquantifiable, environmental benefits. This 10% adder was first recommended by Northwest Power and Conservation Council (NWPCC) and was later adopted by the Oregon legislature as a requirement.[2]

[2] *See* ORS 469.631(4)

Thirdly, a risk value premium was added to account for the avoidance of hedging costs. This is the first Oregon IRP wherein a hedging value has been included in the Company's avoided cost. The Company sees this addition as a refinement to its avoided cost valuation process.

While the Company looked at including costs for avoided or delayed investments in distribution infrastructure, the resulting valuation was negligible. In future IRPs, the Company will continue analyzing the value for avoided distribution investments.

The Company also considered the impact of price elasticity on demand. For the 2018 IRP, the system avoided costs range between $0.4204/therm and $1.2078/therm over the 20-year planning horizon. The increase over time is largely driven by the escalating cost of carbon. For Cascade's 2018 IRP, a short-run coefficient factor of -0.10 and a long-run factor of -0.12 with ranges of plus or minus 0.07 was used. The Company determined this was reasonable as it is consistent with regional studies and other utilities' modeling efforts.

## Section 6: Demand Side Management and Environmental Policy

Demand Side Management (DSM) refers to the reduction of natural gas consumption through the installation of energy efficiency measures such as insulation, more efficient gas-fired appliances or through load management programs. Cascade targets savings of approximately 41 million therms systemwide over the 20-year planning horizon; 11.86 million therms in Oregon and 29 million therms in Washington.

Cascade acquires therm savings through its energy efficiency programs. In Oregon, the Energy Trust of Oregon (Energy Trust) administers the Company's programs and in Washington, Cascade administers its own programs. In both states the programs offer Cascade customers financial incentives to install specific cost-effective energy efficiency measures. These measures cover a broad range of applications including new homes, retrofit appliances, and commercial appliances. The programs are funded in Oregon through a public purpose charge, which applies a percentage charge to customers' bills, and in Washington through a per therm charge.

To determine the Company's savings targets in Oregon, Energy Trust performed a resource analysis of all available energy efficiency for the 20-year planning period. This was a multi-step process beginning with determining all available and potentially available conservation measures. A demographic study of the age of the houses and buildings in Cascade's Oregon service territory was then performed to estimate when new buildings and homes would be built, and when existing homes would need replacement appliances. The total amount of energy savings that can be installed in an area without consideration of economic barriers is called the technical potential.

Once Energy Trust determined the technical potential, they used the industry standard of decrementing this by 15% to get to the achievable potential. Energy Trust then created the cost-effective potential by screening all DSM measures using the total resource cost (TRC) test, which is a benefit-cost ratio (BCR) that measures the cost effectiveness of the investment being made in an efficiency measure. The cost-effective achievable potential is smaller than the achievable potential because the potential savings from non-cost-effective measures are removed.

Energy Trust then applied its knowledge of market uptake to the cost-effective achievable potential which further reduced this amount and resulted the program savings projections which are included in Appendix D by customer class, program and year.

Each measure comprising the cost-effective achievable potential was given a levelized cost which is that measure's annualized cost over annual therm savings. The levelized cost is used to demonstrate the total potential therms that could be saved at various costs. The levelized costs per measures in the 2018 IRP's cost-effective achievable potential are higher than they were in the 2014 IRP for two reasons: 1) The therm savings targets in this IRP include savings from non-cost-effective measures that the Commission is allowing the Energy Trust to incent; and 2) The price of gas has decreased over the last five years.

The program savings projections included in this IRP are higher than those presented in the Company's 2014 IRP for the following reasons: 1) New measures were considered in the analysis; 2) Measure assumptions were updated based on more current data; 3) Emerging technologies were included in the analysis; and 4) Updated measure saturation rates from third-party research and survey work were used.

Section 6 also considers environmental policies being both enacted and considered in Oregon, Washington, and nationally. A number of initiatives intended to reduce, eliminate, or mitigate the effects of greenhouse gases on the atmosphere are in play. Carbon legislation will be a reality in a matter of time, as Washington adopted carbon regulations in 2016. At the time of this IRP filing, the Company is in the process of complying with this policy.

The Company follows all carbon related initiatives closely as they will impact the gas retail business in some way. A carbon tax will raise customers' prices: initiatives such as Portland's goal of being 100% renewable by 2050, or Ashland's and Eugene's plans to reduce carbon emissions will reduce natural gas usage. Carbon policies will also increase the Company's avoided costs thus increasing cost-effective energy savings potential. Policies addressing climate change are likely to impact all factors in integrated resource planning (e.g. demand forecasts, pricing, and DSM potential) and, therefore, must be closely monitored.

## Section 7: Resource Integration

Cascade utilizes SENDOUT® for resource optimization. This software permits the Company to develop and analyze a variety of resource portfolios to help determine the type, size, and timing of resources best matched to forecast requirements. The model knows the exact load and price for every day of the planning period based on input and can therefore minimize costs in a way that would not be possible in the real world. It is important to acknowledge that SENDOUT® provides helpful but not perfect information to guide decisions.

One of the purposes of integrated resource planning is to identify an illustrative resource portfolio to help guide specific resource acquisitions. In this planning cycle, the Company considered a host of resource alternatives that can be added to its resource portfolio, including additional conservation programs, incremental off-system storage alternatives at the AECO Hub, Mist, Ryckman Creek, Wild Goose, and Gill Ranch storage facilities. Additionally, incremental transportation capacity on NWP, Ruby, NGTL, Foothills and GTN pipeline systems was considered, along with on-system satellite LNG facilities, bio-natural gas, and imported LNG. Typically, utility infrastructure projects are “lumpy,” since demand grows annually at a small percentage rate, while capacity is typically added on a project-by-project basis. Utilities often have surplus capacity and must “grow into” their new pipeline capacity, because it is more cost-effective for pipelines to build for several years of load growth at one time than to make small additions each year. However, the Company can minimize the impacts through the acquisition of citygate peaking resources which include both the supplies and the associated pipeline delivery for a certain number of days or through the purchase of other’s excess capacity through short- or medium-term capacity releases.

Even after the savings from energy efficiency programs are realized, Cascade will need to acquire additional capacity resources or enter into other supply arrangements to meet anticipated peak day requirements, primarily due to continued growth in the Company’s residential and commercial customer base. Utilizing the SENDOUT® resource optimization model, several scenarios were run to test the viability of acquiring incremental storage and transportation resources either based on existing recourse rates and discounted rates, and via capacity release through a third party. Basin prices in the model over the 20-year planning horizon have AECO trading at a discount to Rockies, Malin, and Sumas. The acquisition of additional traditional pipeline capacity is the most reasonable resource to address most capacity shortfalls on a peak day.

Using input from these alternative resources discussed, SENDOUT® derives a portfolio of existing and incremental resources that Cascade defines as the Preferred Portfolio. This provides guidance as to what resources should be considered to reduce unserved demand with the best combination of expected costs and

associated risks, and uncertainties for the utility and its customers under expected pricing, weather, and growth environments.

The 20-year portfolio costs are expected to range between $3,558,879,000 to $3,978,920,000 for the planning period, with an average cost per therm ranging between $0.507 and $0.551.

A more detailed discussion regarding the Company's resource integration and the results can be found in Section 7, Resource Integration, beginning on page 7-19.

## Section 8: Distribution System Planning

Cascade uses computer modeling for network demand studies to ensure its distribution system is designed to deliver gas reliably to customers as the number of customers and their demand change.

Cascade's geographical information system (GIS) keeps an as-to-date record of pipe and facilities, complete with all system attributes such as date of install and operating pressures. Using the Company's geographical information system (GIS) environment and other input data, Cascade is able to create system models through the use of Synergi® software. This software provides the means to theoretically model piping and facilities to represent current pressure and flow conditions while predicting future events and growth. Combining these models with historical weather data can provide a Design Day model that will predict a worst-case scenario. Design Day models that experience less than ideal conditions can then be identified and remedied before a real problem is encountered.

When modeling demonstrates that a portion of the distribution system is unable to meet future demand, Cascade engineers consider all possible remedies including reinforcements or expansions. Enhancements include pipeline looping, upsizing, and uprating. Pipeline looping is the most common method of increasing capacity in an existing distribution system. Pipeline upsizing involves replacing existing pipe with a larger size pipe. Pipeline uprating increases the maximum allowable operating pressure of an existing pipeline.

Besides modifying the pipelines, regulators or regulator stations can be added to reduce pipeline pressure at various stages in the distribution system. If pressures are too low, compressor stations can be added to boost downstream pressures.

Another possible solution is targeted conservation. Area specific incentives for installed energy efficiency measures can reduce demand in a constrained area either eliminating or forestalling the need to add or reinforce infrastructure.

Once the best solution is determined, projects are ranked based on numerous criteria and are scheduled. Section 8 presents three sample projects and Appendix I lists all known distribution projects.

## Section 9: Stakeholder Engagement

Input and feedback from Cascade's Technical Advisory Group (TAG) is an important resource for ensuring the IRP includes perspectives beyond the Company's and is responsive to stakeholders' concerns. Cascade held four public TAG meetings with internal and external stakeholders. Participants invited to these public meetings include interested customers, regional upstream pipelines, Pacific Northwest local distribution companies (LDCs), Commission Staff, stakeholder representatives such as the Northwest Gas Association, Citizens' Utility Board, and the Northwest Industrial Gas Users. Cascade has a dedicated Internet webpage where customers and parties can view the IRP timeline, TAG presentations and minutes, as well as current and past IRPs. This information can be found at https://www.cngc.com/rates-services/rates-tariffs/oregon-integrated-resource-plan.

## Section 10: Two-Year Action Plan

Table 1-1 shows Cascade's Two-Year Action Plan. Further descriptions can be found in Section 10, Two-Year Action Plan.

**Table 1-1: Highlights of Draft 2018 Action Plan**

| Functional Area | Anticipated Action | Timing |
|---|---|---|
| Demand Forecast | Expanding forecast to test Auto-ARIMA functionality in R. | Beginning in 2018 for 2020 IRP |
| Supply Side Resources | Active participation in meetings related to UM-1720 to ensure Cascade engages in best practices related to hedging. | Ongoing, for inclusion in 2020 IRP |
| DSM | The Company will acquire cost-effective therm savings by partnering with Energy Trust in Oregon and by delivering programs under the oversight of the Company's Conservation Advisory Group in Washington. | Ongoing, for inclusion in 2020 IRP |
| DSM | The Company will examine the impact changes such as revised building codes, OPUC exemptions granted for non-cost-effective measures, and changes to avoided cost calculations stemming from Docket No. UM 1893, may have on the Company's long- and short-term conservation potential. | Summary will be provided in the 2019 Annual IRP Update |
| DSM | Cascade will examine how carbon tax scenarios impact which energy conservation measures are undertaken with ETO. | Ongoing, for inclusion in 2020 IRP |
| Avoided Cost | Investigate incorporating distribution system costs into the avoided cost calculation. | Beginning in 2018 for inclusion in 2020 IRP |
| IRP Process | Active participation in regional LDC IRP processes. | Beginning in 2017 for inclusion in 2020 IRP |

# SECTION 2

# COMPANY OVERVIEW

## Company Overview

Cascade Natural Gas Corporation has a rich history that began 65 years ago when business leaders and public officials in the Pacific Northwest initiated a campaign to bring natural gas to the region to replace other more expensive fuels. In 1953, five small utilities serving fifteen communities merged to form Cascade Natural Gas Corporation (CNGC or Cascade or Company). Over the years, Cascade continued to grow, merging with and purchasing other utility providers. The Company stock first traded on the New York Stock Exchange in 1973. In 2007, Cascade merged with Montana Dakota Utilities (MDU) Resources Group Inc. which is headquartered in Bismarck, North Dakota. Cascade's headquarters moved from Seattle, Washington, to Kennewick, Washington, in 2010.

**Key Points**

- Cascade serves diverse geographical territories across Washington and Oregon.
- Cascade's primary pipelines are Northwest Pipeline (NWP), Gas Transmission Northwest (GTN), and Enbridge, formerly known as Westcoast (WCT), with access to three other pipelines.
- Core customers represent 23% of total throughput, while non-core customers represent 77% of total throughput.
- Cascade is a subsidiary of MDU Resources Inc., based in Bismarck, North Dakota.

Today, Cascade's service territory covers about 32,000 square miles and extends over 700 highway miles from end to end, encompassing a diverse economic base as well as varying climatological areas. Cascade delivers natural gas service to more than 282,000 customers with approximately 70,000 customers in Oregon and 212,000 customers in Washington. The Company's customers reside in 96 communities--28 in Oregon and 68 in Washington. Cascade's service area consists of smaller, rural communities in central and eastern Oregon as well as western and central Washington.

The climate of the service territory is almost as diverse as its geographical extension. The western Washington portion of the service territory, nicknamed the I-5 corridor, has a marine climate with occasionally significant snow events. In general, the climate in the western part of the service territory is mild with frequent cloud cover, winter rain, and warm summers. Cascade's eastern Washington service territory has a semi-arid climate with periods of arctic cold in the winter and heat waves in the summer.[1]

Below are some of the more populated towns within the regions Cascade provides distribution service.

- **Northwest** – Bellingham, Mt. Vernon, Oak Harbor/Anacortes, the Kitsap Peninsula, the Grays Harbor area and Kelso/Longview;

[1]Western Regional Climate Center, https://wrcc.dri.edu/Climate/narrative_wa.php, retrieved September 28, 2017.

- **Central** – Sunnyside, Wenatchee/Moses Lake, Tri-Cities, Walla Walla and Yakima areas;
- **Southern** – Bend and surrounding communities, Ontario, Baker City and the Pendleton/Hermiston areas.

A map of Cascade's certificated service territory is provided as Figure 11-13 in Section 11, Glossary and Maps.

### Pipeline and Basin Locations

Cascade purchases natural gas from a variety of suppliers and transports gas supplies to its distribution system using three natural gas pipeline companies. Northwest Pipeline LLC (NWP) provides access to British Columbia and domestic Rocky Mountain gas, Gas Transmission Northwest (GTN) provides access to Alberta gas, and Enbridge (WCT) provides British Columbia gas directly into the Company's distribution system. Cascade also holds upstream transportation contracts on TransCanada Pipeline's Foothills Pipeline (formerly ANG), NOVA Gas Transmission Ltd. (also known as NGTL), and Ruby Pipeline. More information about the pipelines and the supply basins is found in Section 4, Supply Side Resources. Maps of select pipelines are found in Section 11, Glossary and Maps.

### Core vs Non-Core Service

Cascade offers all its customers core service which is the provision of gas supply which has been transported to Cascade's citygate and which Cascade then delivers over its distribution system to the end-use customer. Although Cascade offers core service to all its customers, not all of them take advantage of this type of firm service.

In 1989, concurrent with the passage of the Natural Gas Wellhead Decontrol Act, Cascade began allowing its large volume customers to purchase their own gas supplies and gas transportation services upstream of Cascade's distribution system. These customers, referred to as large volume transportation or non-core customers, procure from Cascade the distribution of their gas supply from citygate to the point of delivery at the customer's site. The Company currently has approximately 240 large volume customers who have elected non-core service.

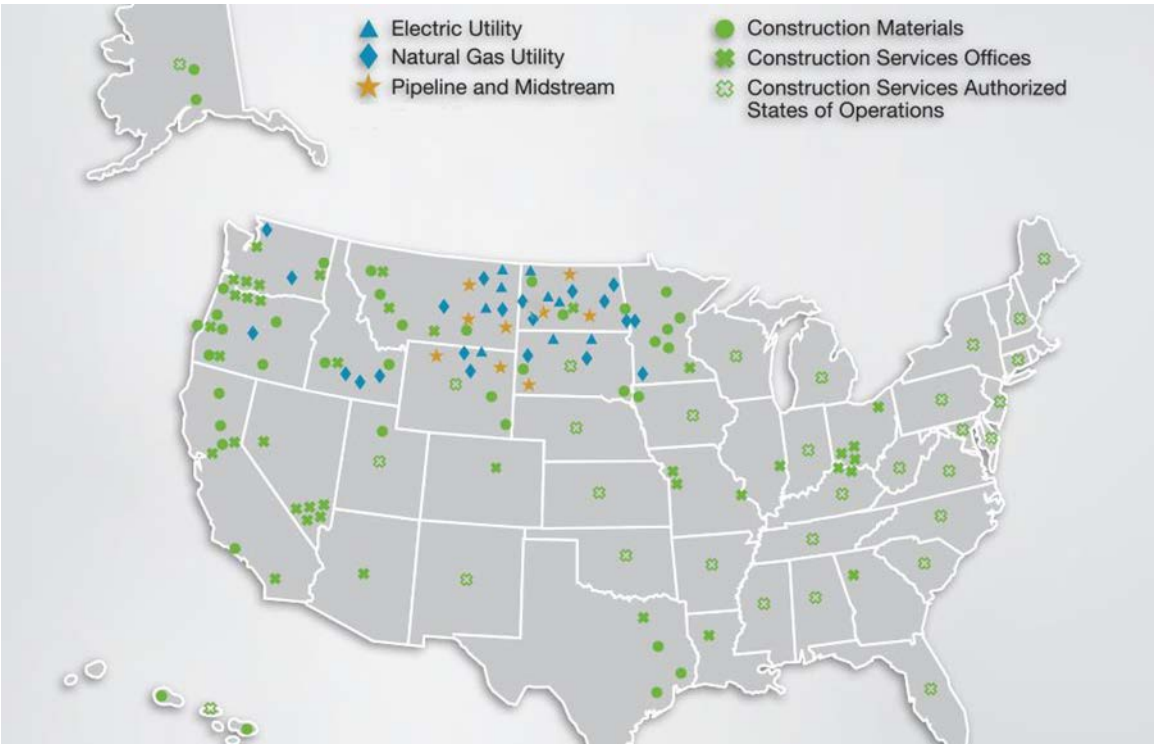
Since the Company does not provide gas supply and upstream pipeline transportation capacity resources to non-core customers, the Company does not plan for non-core customers in the resource analysis of its Integrated Resource Plan (IRP). Non-core demand is a consideration in distribution planning. While it is not the core substance of the IRP, it is included in Section 8, Distribution System Planning.
As of third quarter 2017, Cascade's residential customers represented approximately 12% of the total natural gas delivered on Cascade's system, while commercial

customers represented approximately 9% and the 500 core industrial customers consumed approximately 2% of total gas throughput. The remaining non-core industrial customers represented about 77% of total throughput.

## Company Organization

In 2007, Cascade became a subsidiary of MDU Resources Group, Inc., a multidimensional regulated energy delivery and construction materials and services business, operating in 48 states and traded on the New York Stock Exchange under the symbol MDU. Cascade, with headquarters in Kennewick, Washington, is part of its utility group of subsidiaries. MDU Resources Group's utility companies serve more than one million customers. Cascade distributes natural gas in Oregon and Washington. Great Plains Natural Gas Co. distributes natural gas in western Minnesota and southeastern North Dakota. Intermountain Gas Company distributes natural gas in southern Idaho. Montana-Dakota Utilities Co. generates, transmits and distributes electricity and distributes natural gas in Montana, North Dakota, South Dakota and Wyoming. Figure 2-1 provides a geographical representation of the various services/territories served by MDU Resources.

**Figure 2-1: MDU Resources Services and Territory**



## Company Headquarters

Figure 2-2 is a picture of the Company's headquarters, which is in Kennewick, Washington.

**Figure 2-2: Cascade's headquarters in Kennewick, Washington**

# SECTION 3

# DEMAND FORECAST

## Overview

Each year Cascade develops a 20-year forecast of customers, therm sales, and peak requirements for use in short-term (annual budgeting) and long-term (distribution and integrated resource planning) planning processes. This forecast is a robust portfolio of estimates created by enhancing a single best-estimate forecast with various potential economic, demographic, and marketplace eventualities into low, medium, and high growth forecast scenarios. The scenarios are used for distribution system enhancement planning and as inputs in optimization models to determine the least cost portfolio of supply and DSM resources, revenue budgeting, and load forecasts associated with the purchased gas cost process.

**Key Points**

- Cascade initiates its forecast with analyses of demand area, weather, and heating degree days (HDDs).
- Three peak day scenarios are examined: Average peak HDDs, System-wide max peak HDDs, and Max citygate peak HDDs.
- Cascade uses a 60 °F reference temperature to calculate HDDs.
- The Company utilizes an ARIMA modeling technique for customer and annual demand forecasts.
- High and low scenarios were included and alternative forecasting methodologies were considered.
- Cascade expects system load growth to be 1.58% per year or 34.6% over the 20-year planning horizon.
- A short-run coefficient factor of -0.10 and a long-run factor of -0.12 with ranges of plus or minus 0.07 was determined for price elasticity.
- Uncertainties in the future may cause differences from the Company's forecast.

## Demand Areas

For 2018, Cascade forecasted at the citygate level. This is a change of methodology from previous years where certain models were built from the district or zonal level. Cascade has a total of 76 citygates of which only nine citygates feed non-core customers and the remaining 67 serve at least one core customer. Of the 67 citygates that serve core customers, eighteen are grouped into eight different citygate loops. Therefore, Cascade forecasts a total of 57 areas. Each citygate is assigned to a weather location. For this IRP, the Company assigned the citygates to either the closest weather location by distance or the closest weather location by climatic similarity. The citygate results are rolled up into zones and districts which segregate Cascade's system based on pipelines and weather (see Appendix B). Table 3-1 provides a cross reference for the demand areas.

**Table 3-1: Demand Areas**

| Citygate | Loop | State | Weather Location | Zone |
|---|---|---|---|---|
| 7TH DAY SCHOOL | | WA | Yakima | 10 |
| A/M RENDERING | | WA | Bellingham | 30-W |
| ACME | | WA | Bellingham | 30-W |

| Citygate | Loop | State | Weather Location | Zone |
|---|---|---|---|---|
| ARLINGTON | | WA | Bellingham | 30-W |
| ATHENA | | OR | Pendleton | ME-OR |
| BAKER | | OR | Baker City | 24 |
| BELLINGHAM 1 (FERNDALE) | Sumas SPE Loop | WA | Bellingham | 30-W |
| BEND | Bend Loop | OR | Redmond | GTN |
| BREMERTON (SHELTON) | | WA | Bremerton | 30-S |
| BURBANK HEIGHTS | Burbank Heights Loop | WA | Walla Walla | 20 |
| CASTLE ROCK | | WA | Bremerton | 26 |
| CHEMULT | | OR | Redmond | GTN |
| DEHAWN DAIRY | | WA | Yakima | 10 |
| DEMING | | WA | Bellingham | 30-W |
| EAST STANWOOD | East Stanwood Loop | WA | Bellingham | 30-W |
| FINLEY | | WA | Walla Walla | 20 |
| GILCHRIST | | OR | Redmond | GTN |
| GRANDVIEW | | WA | Yakima | 10 |
| HERMISTON | | OR | Pendleton | ME-OR |
| HUNTINGTON | | OR | Baker City | 24 |
| KALAMA #1 | | WA | Bremerton | 26 |
| KALAMA #2 | | WA | Bremerton | 26 |
| KENNEWICK | Kennewick Loop | WA | Walla Walla | 20 |
| LA PINE | | OR | Redmond | GTN |
| LAWRENCE | | WA | Bellingham | 30-W |
| LDS CHURCH | | WA | Bellingham | 30-W |
| LONGVIEW-KELSO | Longview South Loop | WA | Bremerton | 26 |
| LYNDEN | Sumas SPE Loop | WA | Bellingham | 30-W |
| MADRAS | | OR | Redmond | GTN |
| MCCLEARY (ABERDEEN/HOQUIAM) | | WA | Bremerton | 30-S |
| MILTON-FREEWATER | | OR | Walla Walla | ME-OR |
| MISSION TAP | | OR | Pendleton | ME-OR |
| MOSES LAKE | | WA | Yakima | 20 |
| MOUNT VERNON | Sedro-Woolley Loop | WA | Bellingham | 30-W |
| MOXEE (BEAUCHENE) | | WA | Yakima | 11 |
| NORTH BEND | Bend Loop | OR | Redmond | GTN |
| NORTH PASCO | | WA | Walla Walla | 20 |
| NYSSA-ONTARIO | | OR | Baker City | 24 |
| OAK HARBOR/STANWOOD | East Stanwood Loop | WA | Bellingham | 30-W |
| OTHELLO | | WA | Walla Walla | 20 |
| PASCO | Burbank Heights Loop | WA | Walla Walla | 20 |
| PATTERSON | | WA | Yakima | 26 |
| PENDLETON | | OR | Pendleton | ME-OR |

| Citygate | Loop | State | Weather Location | Zone |
|---|---|---|---|---|
| PRINEVILLE | | OR | Redmond | GTN |
| PRONGHORN | | Redmond | Redmond | GTN |
| PROSSER | | WA | Yakima | 10 |
| QUINCY | | WA | Yakima | 11 |
| REDMOND | | OR | Redmond | GTN |
| RICHLAND (Richland Y) | Kennewick Loop | WA | Walla Walla | 20 |
| SEDRO/WOOLLEY | Sedro-Woolley Loop | WA | Bellingham | 30-W |
| SELAH | Yakima Loop | WA | Yakima | 11 |
| SOUTHRIDGE | | WA | Walla Walla | 20 |
| SOUTH BEND | Bend Loop | OR | Redmond | GTN |
| SOUTH LONGVIEW | Longview South Loop | WA | Bremerton | 26 |
| STANFIELD | | OR | Pendleton | GTN |
| STEARNS (SUNRIVER) | | OR | Redmond | GTN |
| SUNNYSIDE | | WA | Yakima | 10 |
| UMATILLA | | OR | Pendleton | ME-OR |
| WALLA WALLA | | WA | Walla Walla | ME-WA |
| WALLULA | | WA | Walla Walla | ME-WA |
| WCT-CNG INTERCONNECT | Sumas SPE Loop | WA | Bellingham | 30-W |
| WENATCHEE | | WA | Yakima | 11 |
| WOODLAND | | WA | Bremerton | 26 |
| YAKIMA CHIEF RANCH | | WA | Yakima | 10 |
| YAKIMA TRAINING CENTER | | WA | Yakima | 11 |
| YAKIMA/UNION GAP | Yakima Loop | WA | Yakima | 11 |
| ZILLAH (TOPPENISH) | | WA | Yakima | 10 |

## Weather

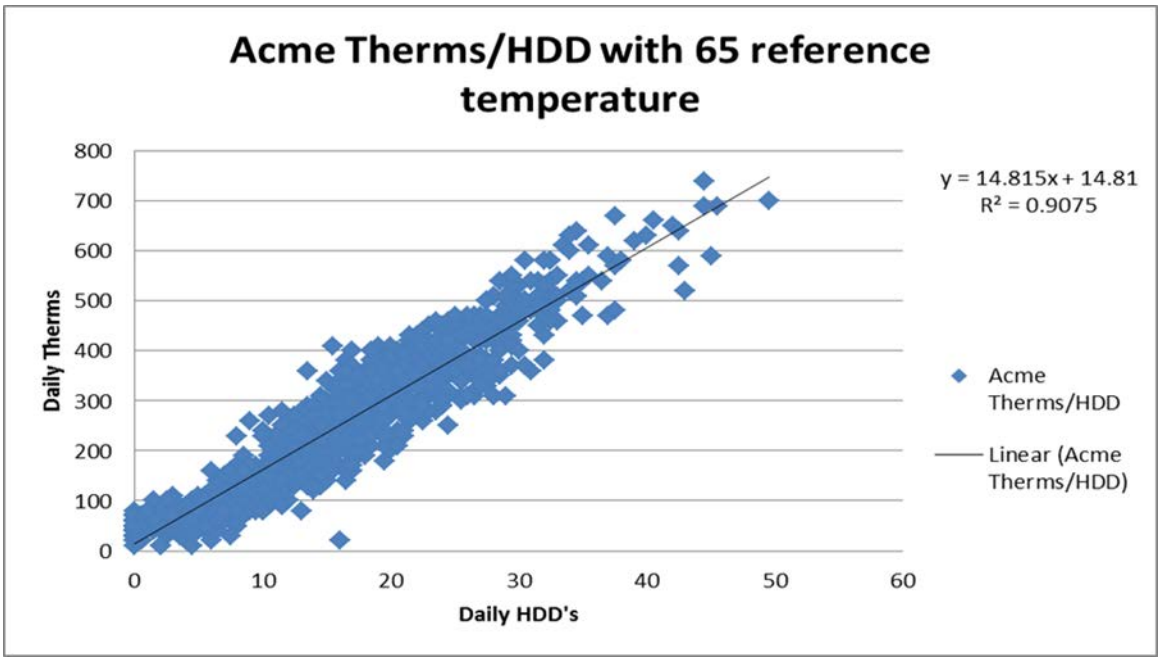
Historical weather data is provided by a contractor, Schneider Electric. The current forecast uses 30 years of recent history as the normal or expected weather. The forecast model takes the 30 previous years, converts the data to heating degree days (HDDs), then averages the HDDs into average days to create a normal or expected year. Cascade has seven weather locations with four located in Washington and three in Oregon. The three weather locations in Oregon are Baker City, Pendleton, and Redmond.

## Heating Degree Days

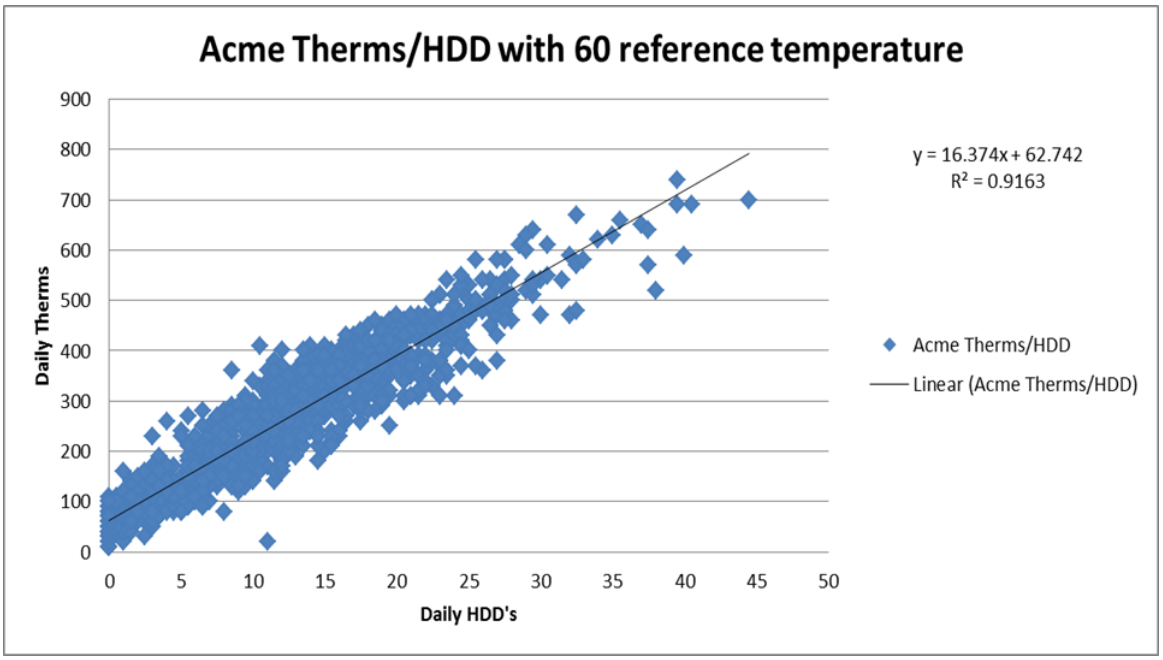
HDD values are calculated with the daily average temperature, which is the simple average of the high and low temperatures for a given day. The daily average is then subtracted from an HDD degree threshold (for example 60 °F) to create the HDD for

a given day. Should this calculation produce a negative number, a value of zero is assigned as the HDD. Therefore, HDDs can never be negative. The HDD threshold number is designed to reflect a temperature below which heating demand begins to significantly rise. The historical threshold for calculating HDD has been 65 °F. However, when modeling gas demand based on weather, Cascade has determined that lowering the threshold to 60 °F produces more accurate results. Graphs 3-1 and 3-2 illustrate why the lower threshold is preferable. These graphs show that heating demand does not begin to increase significantly until an HDD of five (65 °F minus 60 °F) is reached, if the traditional HDD threshold of 65 °F is utilized. Lowering the HDD threshold improves the $R^2$, thus giving a better measure of the relation between HDD and therms (measurement of heat usage). Cascade ran a backcast to compare the forecast with actual weather and customer counts in the regressions (ex. 2011 customers, with 2011 weather, to backcast 2011). When comparing, using a 65 °F reference temperature, the backcast had a mean absolute percentage error (MAPE) of 14.9%. When using a 60 °F reference temperature, the MAPE improved to 7.62%.

**Graph 3-1: Acme Therm/HDD with 65°F Reference Temperature**



**Graph 3-2: Acme Therm/HDD with 60°F Reference Temperature**




## Peak Day HDDs

In order to ensure satisfaction of core customer demand on the coldest days, Cascade develops three peak day usage forecasts in conjunction with annual base load forecasts. Peak day forecasts enable Cascade to make prudent distribution system and peak capacity planning decisions to fulfill its responsibility to provide heating under all but *force majeure* conditions, particularly as most space-heating customers will have no alternative heating source during the coldest days in the event gas does not flow.

The three scenarios that are analyzed in the forecast model:

- Average peak HDDs;
- System-wide max peak HDDs; and
- Max citygate peak HDDs.

These peak days will give Cascade three different outcomes with varying amounts of demand. Average peak HDDs are calculated based on the average of the coldest day for each of the last 30 years. Initially, the coldest system-weighted peak day is found for each year for the last 30 years. The actual HDD from each of the 30 peak days is averaged resulting in an average peak HDD for each weather location. The average peak HDDs methodology allows Gas Supply to plan for the expected peak event during a heating season.

System-wide max peak HDDs are determined by first selecting the system-wide single coldest day recorded in the past 30 years. To determine the system-wide single coldest day, HDDs from all seven weather stations are considered, giving appropriate weight to the weather stations. The weights are determined by the increase in demand experienced with an increase in one HDD. Cascade has found December 21, 1990, to be the highest, system-weighted HDD, at 56 HDDs for this period.

The max citygate peak HDDs are determined by finding the coldest HDD for each weather station in the 30-year history and combining those in one day. The max citygate peak day is a hypothetical scenario where the coldest HDDs for each weather station happen all at once.

Peak day demand is then derived by applying the HDDs from one of the three peak day scenarios to the peak day forecast methodology for each citygate.

For SENDOUT®, Cascade uses the system-wide max peak HDDs method. Cascade applies the HDDs experienced on December 21, 1990, to each of the regressions in the forecast model. For example, all citygates associated with the Redmond weather station use the HDD for Redmond on December 21, 1990, and similarly for all the other weather stations and citygates. This provides a highest demand scenario for peak demand load based on 30 years of weather history for each citygate. Applying December 21, 1990, weather temperatures to today's forecast methodology gives Cascade an accurate representation of the demand the Company could expect to experience if this weather happened during the planning horizon.

Cascade will continue to investigate how the peak day standard affects the core demand load areas which are short of capacity. This investigation will include (but not be limited to) analysis of how other regional utilities look at peak day, discussions with the various weather services, and continued dialogue with Commission Staff and other interested parties.

## Customer Growth

Customer count forecasts are designed to reflect both demographic trends and economic conditions both in the short- and long-term. Cascade uses population and employment growth data from Woods & Poole (W&P). W&P growth forecasts are provided at the county level. It should be noted that W&P forecasts are adjusted whereas the internal intelligence about a demand area indicates a significant difference from W&P regarding observed economic trends. Cascade utilizes ARIMA models for the customer forecast as well as the demand forecast, which will be discussed in the next section. Below is the formula the Company used to run the regressions:

$$C_{Class}^{CG} = \alpha_0 + \alpha_1 Pop^{CG} + \alpha_2 Emp^{CG} + \alpha_m I_m + ARIMA\epsilon(p,d,q)$$

Model Notes:

- $C_{Class}^{CG} = Customers\ by\ Citygate\ by\ Class$
- $Pop^{CG} = Population\ by\ Citygate$
- $Emp^{CG} = Employment\ by\ Citygate$
- $m = month$
- $I =$ $Indicator\ variable, where\ 1\ if\ the\ month\ indicated, 0\ otherwise. (Feb - Dec)$
- $ARIMA\epsilon(p,d,q) =$ $Indicates\ that\ the\ model\ has\ p\ autoregressive\ terms, d\ difference\ terms, and\ q\ moving\ average\ terms.$

Cascade runs this model for each of its 24 counties by customer class. First, the Company checks for stationarity. If the data is non-stationary Cascade differences the data, repeating the step until the data is stationary. Most times, the Company does not difference the data or would difference it only once. Once the differencing is determined, Cascade runs the regression and checks for autocorrelation. Cascade uses the Autocorrelation Function (ACF) and Partial Autocorrelation Function (PACF) to determine moving average or autoregressive terms for the model. Cascade then removes non-significant variables. Typically, the model only chooses one of the two between Population and Employment. The Company noticed that if a non-significant, monthly indicator variable was removed, the model often provides less robust results; therefore, for this IRP, some monthly indicator variables were left in even when non-significant. Cascade used Akaike Information Criterion (AIC) and Mean Absolute Percentage Error (MAPE), along with other statistics, in determining which model to use. Once the customer forecast is finished, the Company allocates the customers to each citygate within the county.

Customer count and therm forecasts are augmented by revisions to the base data and output to create a portfolio of potential scenarios. Low and high growth scenarios are created from the 95% confidence intervals from the forecast model. These scenarios, along with the original, best-estimate, expected scenario encapsulate a range of most-likely possibilities given known data. The most recent W & P data indicates an average growth of 1.54% between 2018 and 2037 for Cascade's service territory. The projected customer growth is provided in Appendix B. Based on historical experience and given expected weather, Cascade expects system load will likely remain within a range bound by the low and high growth scenarios.

Among other reasons, the Company believes that growth in the following regions will be a major factor in any forecasted system-wide deficiency:

- Bend, Oregon – The city of Bend recently approved an urban growth plan that is projected to allow for the development of 2,380 acres of land. City planners project this will add more than 17,000 homes and 21,000 jobs. No specific timeline for the completion of this expansion is provided in their May 2016 project update. On June 7, 2017, the city of Bend and Deschutes County adopted a joint management agreement to define responsibilities within the urban growth plan.[1]
- Walla Walla, Washington – The city of Walla Walla is heavily focused on promoting small business growth, tourism, and its reputation as a leading wine producer in a competitive, eastern Washington, wine market. Cascade currently projects growth of approximately 30% in this area over the 20-year planning horizon.[2]
- Tri-Cities, Washington – Richland, Kennewick, and Pasco have been a hotbed for growth in recent years. As of the most recent census numbers, population grew by 10% in the past four years. Furthermore, Pasco is currently in the top ten cities for population growth in Washington State. Cascade currently projects growth of over 35% in this area over the 20-year planning horizon.[3]

## Annual Usage Forecast Methodology

As previously mentioned, Cascade utilizes ARIMA models for the demand forecast as well. Below is the model used for the demand forecast:

$$\frac{Therms}{C_{Class}^{CG}} = \alpha_0 + \alpha_1 HDD^{CG} + \alpha_m I_m + \alpha_w I_w + ARIMA\epsilon(p,d,q)$$

Model Notes:

- $C_{Class}^{CG} = Customers\ by\ Citygate\ by\ Class.$
- $HDD^{CG} =$
  $Heating\ Degree\ Days\ assigned\ to\ Citygate\ from\ Weather\ Location$
- $m = month$
- $w = weekend$
- $I =$
  $Indicator\ variable, where\ 1\ if\ the\ month\ indicated, 0\ otherwise. (Feb - Dec)$
- $ARIMA\epsilon(p,d,q) =$
  $Indicates\ that\ the\ model\ has\ p\ autoregressive\ terms, d\ difference\ terms, and\ q\ moving\ average\ terms$

[1] *See* City of Bend Urban Growth Boundary Project Update, issued June 2017
[2] *See* http://www.wallawallatrends.ewu.edu/, updated October 2017
[3] *See* http://www.tri-cityherald.com/news/local/article32225670.html, issue May 2015

Cascade runs this model for each of the 55 citygates and citygate loops by customer class where applicable. Cascade starts with the above model for Residential, Commercial, and Industrial but each model is slightly different depending on which variables are significant. Cascade runs the regression and checks for autocorrelation. Cascade used the Autocorrelation Function (ACF) and Partial Autocorrelation Function (PACF) to determine moving average or autoregressive terms for the model. Cascade then removes non-significant variables. As with the customer forecast, Cascade used AIC and MAPE among others where statistics were used in determining which model to use.

Cascade developed the Use per Customer (UPC) coefficient by gathering historical pipeline demand data by day. The pipeline demand data includes core and non-core usage. The non-core data is backed out using Cascade's measurement data stored in the Company's Aligne energy transaction system which leaves daily core usage data. The daily data is then allocated to a rate schedule for each citygate by using Cascade's Customer Care and Billing System (CC&B). This data is then divided by number of customers to come up with a UPC number for each day and for each rate schedule at each citygate. The ARIMA regression model is then run using the UPC and HDD actuals to derive results.

**Peak Day Forecast Methodology**

The Company took the 3rd quartile of coldest days to analyze for peak day. Cascade removed the effect of warm weather on usage. After the data was parsed, Cascade ran linear regressions on the data with monthly indicators. The following formula is used for peak day forecasting:

$$\frac{Therms}{C_{Class}^{CG}} = \alpha_0 + \alpha_1 HDD^{CG} + \alpha_m I_m$$

Model Notes:

- $C_{Class}^{CG} = Customers\ by\ Citygate\ by\ Class.$
- $HDD^{CG} =$ $Heating\ Degree\ Days\ assigned\ to\ Citygate\ from\ Weather\ Location.$
- $m = month$
- $I =$ $Indicator\ variable, where\ 1\ if\ the\ month\ indicated, 0\ otherwise. (Feb - Dec)$

Cascade runs this model for each of the 55 citygates and citygate loops by customer class where applicable. The Company runs the model and removes non-significant variables. Similar to the customer and demand forecast, Cascade used AIC and MAPE, among other statistics, in determining which model to use. Once the models are finalized Cascade analyzes peak day using three different HDD scenarios:

Average, System max, and Citygate max. As mentioned previously, the average peak day methodology uses the average HDD experienced on the coldest days in each of the past 30 years as an HDD for each weather location. System max peak day uses the coldest system-wide peak day experienced in the 30-year history (December 21, 1990). Citygate max finds the coldest day in the past 30 years and creates a hypothetical day where all weather locations experience those HDDs in the same day.

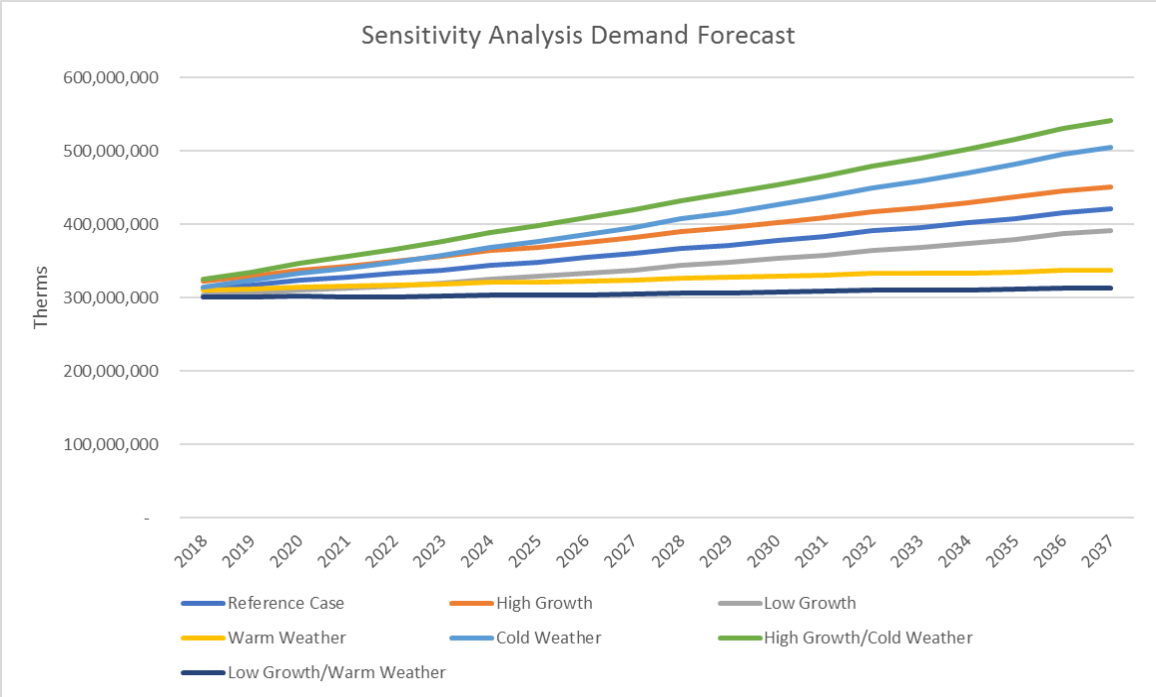
## Sensitivity Analysis

Cascade stress tests the system in SENDOUT® by using alternative forecasting methodologies. These alternative forecasting methodologies refer to changing factors that influence demand. Alternative models include high and low customer growth, high and low weather patterns, or a combination thereof. The combination between alternative growth and weather results in high growth/cold weather, and low growth/warm weather because these test the extremes as they have a complementary effect on demand. Table 3-2 identifies the list of scenarios. Figure 3-1 charts the sensitivity analysis over the planning horizon.

**Table 3-2: Growth Scenarios**

| Scenario | Weather | Growth | Use per Customer |
|---|---|---|---|
| Reference Case | Expected | Expected | Expected |
| Expected Scenario | Expected with peak event | Expected | Expected |
| High Growth | Expected | High | Expected |
| Low Growth | Expected | Low | Expected |
| Warm Weather | Low HDDs | Expected | Expected |
| Cold Weather | High HDDs | Expected | Expected |
| High Growth/ Cold Weather | High HDDs | High | Expected |
| Low Growth/ Warm Weather | Low HDDs | Low | Expected |

**Figure 3-1: Sensitivity Analysis Demand Forecast (Volumes in Therms)**




The reference case contains expected weather, customer growth, and use per customer. The expected scenario is the same as the reference case with a single, system-wide, max peak day event. Expected weather is the average weather over the past 30 years. For high/low HDDs Cascade used the average temperature of the six coldest/warmest years to create a high and low weather scenario. Cascade believes six years is a sufficient timeframe to capture a realistic high/low scenario. Cascade applies the growth rates gathered from W&P as mentioned on pages 3-7 and 3-8, for the expected growth case. Cascade uses the expected regression results, as explained on page 3-8, at each citygate for all cases. High and low growth scenarios, discussed more on page 3-16, explain that Cascade uses the 95% confidence intervals from the customer forecast model. These sensitivity analysis tests on demand are only to show how weather and growth can impact demand over the 20-year planning horizon. Cascade performs a deeper sensitivity analysis by analyzing Monte Carlo runs in SENDOUT®. Monte Carlo analysis is discussed further in Section 7.

## Forecast Results

Load growth across Cascade's system through 2037 is expected to fluctuate between 1.50% and 1.65% annually after smoothing the leap year anomaly. Load growth is split between residential, commercial, and industrial customers. Residential and commercial customer classes are expected to grow at a rate near

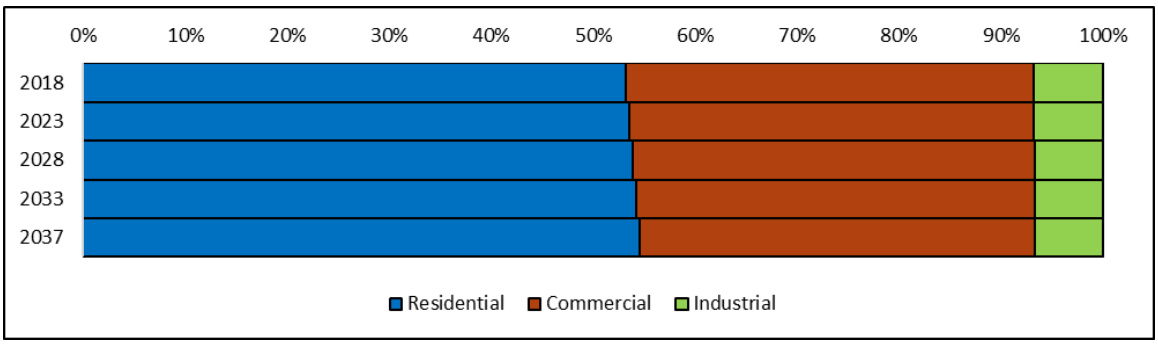
1.4-1.6% annually, while industrial expects a growth rate of around 1.9%. Table 3-3 shows the percentage of core growth by class over the planning horizon.

**Table 3-3: Expected Load Growth by Class**

| | Residential | Commercial | Industrial | System |
|---|---|---|---|---|
| 2018 - 2022 | 1.65% | 1.36% | 1.96% | 1.56% |
| 2023 - 2027 | 1.68% | 1.39% | 2.04% | 1.59% |
| 2028 - 2032 | 1.69% | 1.42% | 1.99% | 1.61% |
| 2033 - 2037 | 1.67% | 1.40% | 1.53% | 1.55% |
| 2018 - 2037 | 1.67% | 1.39% | 1.88% | 1.58% |

In absolute numbers, system load under normal weather conditions is expected to exceed over 417 million therms in 2037. A majority of core load today is residential. Cascade projects the ratio between residential, commercial, and industrial to increase in favor of residential customers. Residential customers are expected to grow from 53.1% of the total core load to 54.1% of the total core load by 2037. Figure 3-2 displays the relative percentage relationship of expected loads by class.

**Figure 3-2: Expected Load Growth by Class**




Cascade expects residential customers to increase their load by about 60 million therms and commercial core customers to increase load by approximately 37 million therms each over the 20-year planning horizon. Industrial customers are expected to increase load by approximately 9 million therms over the same period. Cascade expects load to increase about 108 million therms. Table 3-4 displays the expected core load volumes by class.

**Table 3-4: Expected Load Growth by Class (Volumes in Therms)**

| | Residential | Commercial | Industrial |
|---|---|---|---|
| **2018** | 165,986,093 | 124,425,988 | 22,244,749 |
| **2023** | 180,205,957 | 133,122,105 | 24,543,456 |
| **2028** | 196,701,735 | 143,177,871 | 27,156,720 |
| **2033** | 212,956,543 | 152,936,540 | 29,800,958 |
| **2037** | 227,524,569 | 161,690,705 | 31,663,120 |
| **2018 - 2037** | 37.07% | 29.95% | 42.34% |

Load growth is primarily a result of increased customer counts. The number of commercial and industrial customers is expected to increase slightly faster than therm usage. Table 3-5 displays the expected customer counts by class.

**Table 3-5: Expected Customer Counts by Class**

| | Residential | Commercial | Industrial |
|---|---|---|---|
| **2018** | 249,170 | 36,236 | 624 |
| **2023** | 270,452 | 38,803 | 703 |
| **2028** | 293,930 | 41,606 | 784 |
| **2033** | 319,503 | 44,621 | 870 |
| **2037** | 341,318 | 47,171 | 935 |
| **2018 - 2037** | 25.67% | 30.18% | 49.81% |

## Geography

Load across Cascade's two-state service territory is expected to increase 34.6% over the planning horizon, with the Oregon portion outpacing Washington at 41.6% versus 32.2%. Table 3-6 shows the expected core load volumes by state.

**Table 3-6: Expected Load by State (Volumes in Therms)**

| | Washington | Oregon | System |
|---|---|---|---|
| **2018** | 232,832,110 | 79,824,720 | 312,656,830 |
| **2023** | 249,909,757 | 87,961,761 | 337,871,517 |
| **2028** | 269,997,677 | 97,038,648 | 367,036,325 |
| **2033** | 289,983,412 | 105,710,630 | 395,694,041 |
| **2037** | 307,810,669 | 113,067,725 | 420,878,394 |

Within Oregon, the central part of the state is expected to see a large increase in growth. The expected growth around the Bend/Redmond area is the cause of the high growth percentage at Redmond weather location. Table 3-7 shows the percentage growth of load by each of Cascade's weather locations. Table 3-8 shows the percentage growth of load by each pipeline zone over the planning horizon. Lastly, Table 3-9 displays a range of core peak day growth over the planning horizon along with a sampling of peak day therms. Peak Day growth is expected to grow approximately 1.58%, similar to annual growth rate.

**Table 3-7: Oregon 20-Year Load Growth by Weather Location**

| | |
|---|---|
| Redmond | 45.7% |
| Pendleton | 34.6% |
| Baker City | 28.9% |
| Oregon | 41.6% |

**Table 3-8: System 20-Year Load Growth by Pipeline Zone**

| | |
|---|---|
| Zone 10 | 30.3% |
| Zone 11 | 24.0% |
| Zone 20 | 51.5% |
| Zone 24 | 28.9% |
| Zone 26 | 33.4% |
| Zone 30-S | 26.0% |
| Zone 30-W | 32.7% |
| Zone GTN | 45.7% |
| Zone ME-OR | 34.6% |
| Zone ME-WA | 22.7% |

**Table 3-9: Expected Peak Day Growth (Volumes in Therms)**

| Period | Peak Growth | Year | Peak Day Therms |
|---|---|---|---|
| 2018 – 2022 | 1.58% | 2022 | 3,529,692 |
| 2023 – 2027 | 1.61% | 2027 | 3,822,168 |
| 2028 – 2032 | 1.61% | 2032 | 4,140,271 |
| 2033 – 2037 | 1.56% | 2037 | 4,476,347 |

## High and Low Scenarios

High and low scenarios were created by examining the 95% confidence intervals resulting from the customer forecast model. Cascade is expecting about 1.58% in customer growth on the expected case, 1.36% on the low band and 1.78% on the high band. Table 3-10 displays the expected total system load growth across various scenarios.

**Table 3-10: Expected Total System Load Growth (By Percentage) Across Scenarios**

| | Low | Mid | High |
|---|---|---|---|
| 2018 - 2022 | 1.08% | 1.56% | 2.01% |
| 2023 - 2027 | 1.36% | 1.59% | 1.80% |
| 2028 - 2032 | 1.48% | 1.61% | 1.71% |
| 2033 - 2037 | 1.49% | 1.55% | 1.62% |
| 2018 - 2037 | 1.36% | 1.58% | 1.78% |

Load growth under poor economic conditions is expected to be around 1.3% annually over the forecast period, while load growth under good economic conditions is expected to be around 1.8% annually. The cumulative effect of high growth over 20 years could result in an additional load of 30 million therms, while low growth could result in a load with 29.5 million therms less than predicted in the medium growth scenario. Table 3-11 shows the expected total system load across these scenarios.

**Table 3-11: Expected Total System Load Growth Across Scenarios (Volumes in Therms)**

| | Low | Mid | High |
|---|---|---|---|
| 2018 | 302,971,151 | 312,656,830 | 322,441,944 |
| 2023 | 320,188,306 | 337,871,517 | 355,643,185 |
| 2028 | 344,101,735 | 367,036,325 | 390,131,910 |
| 2033 | 368,750,520 | 395,694,041 | 422,706,108 |
| 2037 | 391,276,263 | 420,878,394 | 450,698,833 |
| Deviation | (29,602,131) | | 29,820,439 |

## Price Elasticity

Price elasticity is an economic concept which recognizes that customer consumption changes as prices rise or fall. The amount of this change or elasticity is a function of other available products (i.e., substitutes) or the ability for customers to go without or use less with no meaningful impact on their personal life or in commerce.[4,5] Price signals describes how customers see or expect future pricing to affect them.[6]

Price elasticity is expressed mathematically as a coefficient describing the amount of change in consumption per change in price. For example, a price elasticity factor of -0.10 means a consumer will reduce usage by 1% if the price increases by 10%. Conversely, a 0.10 coefficient factor for a 10% price decrease would predict customers would increase consumption by 1%. For products with high substitutability, the coefficient factors are high (e.g., greater than 0.50) and vice versa.

Price elasticity can be highly temporal. Consumers may not be able to make changes with short-term price increases or decreases. Yet, several years out, that same customer may replace equipment or make behavioral changes to use significantly less or more of a product depending on whether, over the long term, the product is more or less expensive.

The importance of price elasticity to natural gas integrated resource planning lies in the 20-year period over which the demand forecasts are estimated. This forecast (or range of forecasts under scenario planning) is a key determinant of the avoided cost. Low price elasticity in a rising natural gas price environment would suggest forecasted higher load would not change customer behavior and more natural gas would need to be acquired with corresponding delivery infrastructure. However, if usage materially decreases with higher prices, then fewer purchases and less capital investment by an LDC would be necessary. Therefore, price elasticity has some effect on the avoided cost.

Because avoided costs are integral to conservation planning, among other components, the impact of price elasticity on consumer consumption is of interest to all stakeholders in the planning process.

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[4] An example of substitutes for a commodity is transportation fuels. As gasoline prices rise, commuters may carpool more or use public transportation. Conversely, in a low-cost gasoline environment, people may take longer driving vacations rather than fly or stay closer to home. In the long-term, higher gasoline prices could steer customers to changing out their choice of their automobiles toward electric vehicles or compressed natural gas (CNG) vehicles, thereby reducing their gasoline consumption to zero. Conversely, some drivers such as taxi cab owners may have no near-term choices regarding the number of miles driven; rather, they pass the higher cost of gasoline to their customers.

[5] The decision to go to the movies is an example where going without or using less is observed as prices increase. Many entertainment alternatives are present, including waiting until a certain film is released to DVD or Blu-ray.

[6] "A price signal is information conveyed to consumers and producers, via the price charged for a product or service, which provides a signal to increase/decrease supply and/or that the demand for the priced item has increased/decreased." *See* https://en.wikipedia.org/wiki/Price_elasticity_of_demand , as of October 26, 2017.

Several attributes of the regulated utility environment cause price elasticity calculations to be difficult to calculate with precision. Within customer classes, the type of customer usage varies:

- Residential—heating and non-heating
- Commercial—heating and processing

Additionally, regulatory protocols may reduce direct signals because the annual purchased gas adjustment (PGA) may result in price increases or decreases of unknown magnitude. Further, customers assume general rate cases and price changes will occur annually or biannually. As a result, customers are more likely to be uncertain of future pricing than to have the preconception that prices will rise.

Several items reduce load growth over time, regardless of price elasticity and price signals. Changes in economic conditions, added conservation, revised building codes and appliance standards, and advances in technology lead to reduction in usage irrespective of pricing. This makes it difficult for customers to react to meaningful price signals and difficult for utilities to isolate primary factors for long-supply term price elasticity calculations (other than inflation). Regardless, customers may not return (or rebound) to historic usage after experiencing higher or lower price excursions.

A review of price elasticity leads to the following findings relevant to Cascade's current IRP process:

- Price elasticity exists, yet determining specific coefficient factors for linear modeling is inexact;
- A range of coefficient factors should be used to test sensitivities of the factors and impacts to the forecasts;
- Given Cascade's diverse geographical territory, the statistical significance of price elasticity coefficients is uncertain;
- Several complicating factors call into question the accuracy and application of price elasticities. These include:
  - Regulatory mechanisms (e.g., PGAs and general rate cases) which dampen price signals or information to customers about future pricing;
  - Historical data (embedded with effects of conservation, technology advances, and changing economic conditions) renders reliance on this data imperfect for precise price elasticity determination;
- The retail price of the most substitutable fuel—electricity—moves with the cost of natural gas, thereby lessening the economic value of alternative fuels to customers; and
- Evolution of modeling suggests that future IRP modeling should incorporate iterative quantitative equations to allow built-in price elasticity effects.

Regardless, the Company believes price elasticity must be considered. For Cascade's 2018 IRP, a short-run coefficient factor of -0.10 and a long-run factor of -0.12 with ranges of plus or minus 0.07 is justifiable given regional studies and other utilities' modeling efforts. Several price elasticity inquiries are traditionally referenced in regional price elasticity discussions. These include:

- The American Gas Association (AGA) released a study in 2007 identifying the short-run price elasticity coefficients for the Pacific and Mountain regions to each be -0.07 with a low and high range of -0.03 and -0.13 respectively. The long-run estimates were -0.12 (Pacific) and -0.10 (Mountain), with the range being between -0.01 and -0.29.[7]

- The geographic area of a utility's service territory can result in the statistical significance of price becoming more uncertain. This suggests that for Cascade—with its customers spread over two states in smaller sections—relatively precise price elasticity coefficient factors would either not be available or would be costly to determine with lesser benefits of doing so.[8]

- Use per customer has been decreasing over the past 30 years prompted by multiple factors, including systemic items such as conservation, building codes, and appliance standards and behavioral influences such as the 2008 recession.

A review of these studies and inquiries of price elasticity in the natural gas industry indicates no regional precise calculations are available specific to a utility. A short-run coefficient factor of -0.10 and a long-run factor of -0.12 recognizes the temperature differentials of its service territory, east and west of the Cascade Mountains with low and high ranges at plus or minus 0.07.

## Alternative Forecasting Methodologies

Cascade has made a slight change to the forecast methodology this year by using customers in the coefficient for the demand forecast formula. Cascade purchased SAS Analytics, a statistical analysis software, and has modeled ARIMA forecast methodologies. The Company plans to continue improving the customer and demand forecast model through SAS or other statistical software such as R.

The Company is responsive to several regulatory principles in forecasting. These include:

- A desire for precision and a high degree of accuracy;

[7] Joutz, Frederick and Robert P. Trost. An Economic Analysis of Consumer Response to Natural Gas Prices, Prepared for the American Gas Association, March, 2007. Available at http://standards.globalspec.com/std/1168989/aga-f62007.
[8] Bernstein, Mark A, and James Griffin. Regional Differences in the Price-Elasticity of Demand for Energy – RAND Corporation, 2005.

- A universal understanding that forecasts should mirror future realities but may have unanticipated swings in either direction;
- A disconnect between planning and operational functions, in that natural gas purchasing and dispatch will be based on immediate needs which, in actuality, are guaranteed to vary from the plan (per the previous bullet);
- An understanding that an increased cost of improved precision sometimes has decreasing customer benefits;
- A need to meet Regulators' expectation that the Company show continual improvement because new tools are available. For example, the concept of "adaptive management" can be applied;
- The major differences in accounting treatment between the states regarding test years for ratemaking purposes (that is, for general rate case filings) and not necessarily for planning. At this time, Oregon uses future test year accounting while Washington employs a historic test year;
- The fuzziness of historic data that includes effects of energy efficiency, retail price (from annual PGA—purchased gas adjustment—changes and other rate changes), sometimes abnormal weather, new technology, and then-unique economic conditions (e.g., recession, interest rates, etc.) Cascade uses actual historic data. The term fuzziness is used in the context of basing forecasts on past-period data that includes many variables, any one of which may have increased or decreased in the intervening time between historical occurrence and forecasted periods. This causes difficulty for utilities trying to isolate primary factors for greater precision of long-term calculations.
- Unknown and uncertain future changes such as the assumptions for $CO_2$ required for carbon policy and other environmental externalities; and
- A need to demonstrate support for assumptions such as growth in customers, use per customer and changes from previous forecasts, type of use (i.e., heating, manufacturing, etc.), to name a few.

This illustrates the complexity of forecasting and highlights areas of stakeholder attention. Best efforts at appropriate reasonable cost distill these factors into a generally-accepted forecast with recognition of inherent uncertainties.

## Uncertainties

This forecast represents Cascade's best estimate about future events. At this time, several important factors make predicting future demand particularly difficult – economic recovery, carbon legislation, building code changes, direct use campaigns, conservation, and long-term weather patterns. The range of scenarios presented here encompasses the full range of possibilities through econometric analysis. These forecasts were created after running through a matrix of different functional forms and economic indicators. The chosen indicators were selected because of their consistency in returning statistically valid results. While they may be the best results mathematically, they are not the sole and only determinants of

demand. As a result, while Cascade believes that the numbers presented here are accurate and that the scenarios presented represent the full range of possibilities, there are and always will be uncertainties in forecasting future periods.

# SECTION 4

# SUPPLY SIDE RESOURCES

## Overview

Cascade's core market residential and small volume commercial and industrial customers expect and require the highest reliability of energy service. Because of the Company's obligation to provide gas service to these customers, the Company must determine and achieve the needed degrees of service reliability and attain it at the lowest cost possible while maintaining infrastructure that is sufficient for customer growth. Assuming such an infrastructure is operating effectively, the most important functions necessary for reliable natural gas service are planning for, providing, and administering the gas supply, interstate pipeline transportation capacity, and distribution service purchased by core market customers.

This section describes the various gas supply resources, storage delivery services from Jackson Prairie and Plymouth LNG service, and transportation resource options available to the Company as supply side resources.

**Key Points**

- To meet the Company's core market demand, Cascade accesses firm gas supplies and short-term gas supplies purchased on the open market, plus storage.
- Cascade purchases gas from the Rockies, British Columbia (Sumas), and Alberta (AECO). Gas is transported to the Company's system by either bundled or unbundled contracts.
- The long-term planning price forecast is based on a blend of futures market pricing along with long-term fundamental price forecasts from multiple sources.
- The Company identifies potential incremental supply resources for the 2018 IRP.
- Risk management policies are implemented to promote price stability.
- Cascade's Gas Supply Oversight Committee (GSOC) oversees the Company's gas supply purchasing strategy.
- Modeling of Cascade's available resources results in the lowest reasonably priced optimum portfolio.

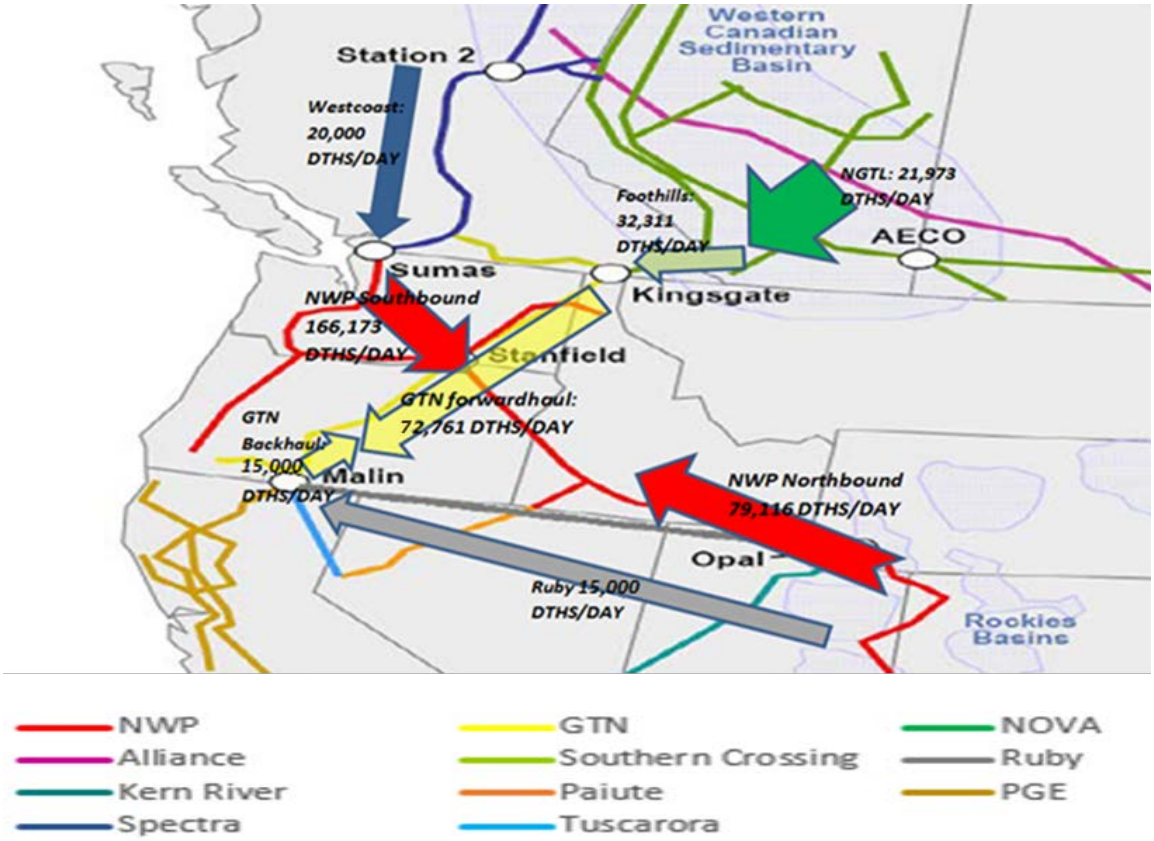
## Gas Supply Resources

Gas supply options available to Cascade to meet the core market demand requirements generally fall into two groups: 1) Firm gas supplies on a short- or long-term basis, and 2) Short-term gas supplies purchased on the open market as needed for a particular month for one or more days. A separate and important source of gas supply is natural gas storage service, which is required to provide economical service to low load factor customers during seasonal peak and the needle peaks of the heating season.

Cascade's gas supply portfolio is sourced from three basic areas of North America: British Columbia, Alberta, and the Rockies. Figure 4-1 provides a general overview

of regional gas flows to Cascade's distribution system.[1] A larger map of Figure 4-1 is also provided in Section 11, Glossary and Maps, with Figure 11-12.

**Figure 4-1: Regional Map Showing General Flow Paths for System Gas Supplies**




## Firm Supply Contracts

Firm supply contracts commit both the seller and the buyer to deliver and take gas on a firm basis, except for during *force majeure* conditions. From Cascade's perspective, the most important consideration is the seller's contractual commitment to make gas available day in and day out regardless of market conditions. Firm supplies are a necessary component of Cascade's core market portfolio given its obligation to serve and the lack of easily obtainable alternatives for customers during periods of peak demand. Firm supply contracts can provide base load services, seasonal load increases during winter months, or they can be used to meet daily needle peaking requirements. Quantities vary, depending on the need and length of the contract. Operational considerations regarding available upstream pipeline transportation capacity and any known constraints must also be considered. Base load contracts can range from as small as 500 dths/day to quantities in excess of

[1] GTN forward haul reflects 10,000 dth/day acquired by Cascade on December 1st, 2017

10,000 dths/day. Blocks of 1,000, 2,500, 5,000 and 10,000 dths/day are standard as these are the most operationally and financially viable blocks for suppliers.

Base load supply resources are those that are typically taken day in and day out, usually 365 days a year. As a result, base load gas tends to be the least expensive of the firm supply contracts because it matches the production of gas and guarantees the producer that the volumes will be taken. The Company's ability to contract for base load supplies is limited because of the relatively low summer demand on Cascade's system. Base load resources are used to meet the non-weather sensitive portion of the core market requirements or may be used to refill storage reservoirs during periods of lower demand.

Winter gas supplies are firm gas supplies that are purchased for a short period during the winter months to cover increased loads, primarily for space heating. The contracts are typically three to five months in duration (primarily November through March). This enables the Company to ensure firm winter supplies without incurring obligations for high levels of *take* during periods of low demand in the summer months. Winter supplies combined with base load supplies are adequate to cover the moderately cold days in winter.

Peaking gas supplies, similar to storage, are firm contracts purchased only as load actually materializes due to high winter demand. That is, the seller must deliver the gas when the Company requires it, but the Company is not required to take gas unless it is needed to meet customer load requirements. Peaking resources typically allow the Company to take between fifteen and twenty days of service during the winter period. These resources are more expensive than base load or winter supplies and typically include fixed charges to cover the costs for the sellers to stand by to deliver the supplies.

Needle peaking resources are utilized during severe or arctic cold experiences when demand can increase sharply. These resources are very expensive and are available for a very short period of time. One source of needle peaking gas supply that is actually a form of demand side management may be obtained from Cascade's core interruptible customer base. These customers are required to maintain standby or alternate fuel capability so that Cascade can request the customer switch to its alternate fuel source so Cascade can utilize (divert) the gas supply and transportation capacity to meet the Company's core firm market requirements. The benefits associated with this type of resource would include lowering the demand of the industrial facility and providing a like amount of additional gas supply with pipeline capacity to meet core demand. Needle peaking requirements can also be met through the use of propane air plants or on-site liquefied natural gas (LNG) facilities. Currently, Cascade does not own or operate any LNG facilities along the distribution system.

A cost comparison between propane and natural gas can be done based on their individual BTU ratings. Assuming natural gas is priced at $6.00 per 1,000 cubic feet, that $6.00 would purchase approximately 1.03 million BTUs of energy. This would be equivalent to 11.26 gallons of propane. At $2.00/gallon of residential propane (as of October 2016), natural gas would be a more cost-effective energy solution under these conditions. Breaking it down even further, natural gas needs to be priced at more than $22.52 per 1,000 cubic feet for propane to be a more cost-effective energy solution (provided the cost for propane is $2.00/gallon).

Supply contract terms for firm commodity supplies vary greatly. Some contracts specify fixed prices, while others are based on indices that float from month to month. Some contracts have fixed reservation charges assessed each month, while others may have minimum daily or monthly take requirements. Most contain penalty provisions for failure to take the minimum supply according to the contract terms. Contract details will also vary from year to year depending on Company and supplier needs, and the general trends in the market.

Gas that is purchased for a short period of time (one to 30 days) when neither the seller nor the buyer has a longer-term firm commitment to deliver or take the gas is referred to as a spot market purchase. Spot market supplies differ from firm resources in that they are more volatile, both in terms of availability and price, and are largely influenced by the laws of supply and demand.

In general, spot market supplies (also called *day gas* or *just-in-time gas*) are provided from gas supplies not under any long-term firm contract. Therefore, as firm market demand decreases, more gas becomes available for the spot market. Prices for spot market supplies are market driven and may be either lower or higher than prices under firm supply contracts. In warmer weather, as firm market demand requirements decrease, usually more gas becomes available for the spot market, resulting in lower prices. In colder weather, as firm markets demand their gas supplies, the remaining spot market supplies can carry higher prices until the price equates or exceeds that of alternate energy supplies (such as oil or electricity). Spot supplies can be expected to move to the markets that offer the highest price, which in turn can affect delivery reliability.

Due to the potential for interruption of the spot market, these supplies are not considered a reliable source of gas supply for the winter peaking requirements of Cascade's core market. As identified earlier, part of the reason these supplies are considered less reliable is that these volumes are made available after longer-term firm commitments have been contracted for delivery by upstream suppliers. The available volumes are likely to vary daily, depending on production or the suppliers' ability to store un-marketed supply. Under a North American Energy Standards Board (NAESB) contract, parties can identify firm, variable, or interruptible quantities for these supplies. Buyers and sellers use this standard contract when entering into short-term supply transactions. Therefore, these spot volumes are more susceptible

to daily operational constraints on the upstream pipelines. This is particularly true in the case of the Northwest Pipeline (NWP), which is a displacement pipeline with bi-directional flow. Depending on how gas is scheduled versus how it physically flows between compressor stations, constraints can possibly occur. This is further complicated because each of the pipelines has multiple supply scheduling deadlines, allowing scheduled volumes to be adjusted. As a result, at any given point in the process, constraints can occur, leading to the potential of the scheduled spot supply volumes being reduced or not delivered to the citygate at all.

The role for spot market gas supply in the core market portfolio is based upon economics. Spot market supplies may be used to supplement firm contracts during periods of high demand or to displace other volumes when it is cost-effective to do so. For example, should prices in one basin drop radically compared to another basin, a supply contract may allow the flexibility to reduce takes in order to take advantage of spot supply from a lower priced basin. Depending upon availability and price, spot market volumes may be used in place of storage withdrawal volumes to meet firm requirements on a given day or for mid-heating season refills of storage inventory during periods of moderate weather.

## Storage Resources

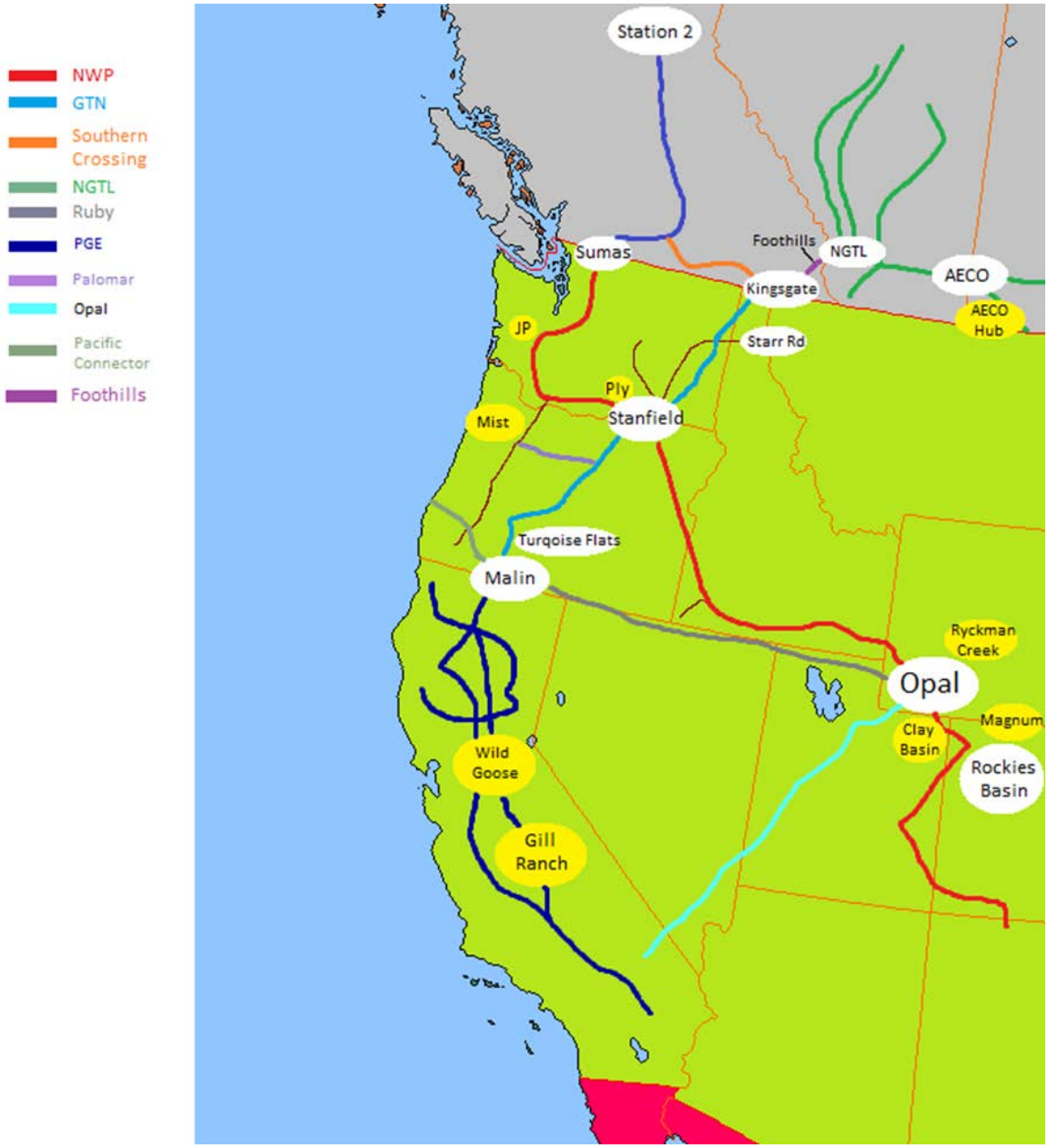
Cascade also utilizes natural gas storage to meet a portion of the requirements of its core market. Storing gas supplies, purchased and injected during periods of low demand, is a cost-effective way of meeting some of the peak requirements of Cascade's firm market. Natural gas can be stored in naturally occurring reservoirs, such as depleted oil or gas fields, salt caverns or other geological formations with an impermeable cap over a porous reservoir. Gas can also be stored in vessels or tanks under pressure as compressed natural gas or cooled to a liquid state, which is liquefied natural gas (LNG).

Natural gas storage service is not only an excellent supply source for meeting peak winter demand, but it can also be an important gas supply management tool. Storing excess or unused supply during periods of low demand increases the annual utilization rate of a supply contract, thereby improving the annual load factor for the Company's gas supplies. Improving the annual load factor of a supply contract improves the Company's ability to purchase gas supplies on a more economical basis. Purchasing natural gas for storage during periods of low demand generally yields prices at the low point on the seasonal price curve.

Depending upon the location of the storage facility, pipeline transportation may also be required to move the gas from the facility to the distribution system. Storage facilities located within the Company's distribution system or on the interstate pipeline are preferable to those located off-system. Off-system storage requires additional upstream pipeline transportation and may limit the flexibility of the resource.

Cascade does not own any storage facilities and, therefore, must contract with storage owners to lease a portion of those owners' unused storage capacity. Figure 4-2 displays the location of some of the storage facilities in the region.

**Figure 4-2: Regional Map Showing Location of Various Gas Storage Facilities**




Cascade has contracted for storage service directly from Northwest Pipeline since 1994. Jackson Prairie is located in Lewis County, Washington, approximately ten miles south of Chehalis. The following extract explaining the Jackson Prairie facility

is found on Puget Sound Energy's website. Puget is one-third owner of the Jackson Prairie facility.

> Jackson Prairie is a series of deep underground reservoirs-basically thick porous sandstone deposits. The sand layers lie approximately 1,000 to 3,000 feet below the ground surface. Large compressors and pipelines are employed at JP to both inject and withdraw natural gas at 45 wells spread across the 3,200-acre facility. Currently it is estimated that Jackson Prairie can store nearly 25 BCF of working gas. The facility also includes "cushion" gas which provides pressure in the reservoir of approximately 48 BCF. In terms of withdrawal capability, the facility is capable of delivering 1.15 BCF of natural gas per day.[2]

The Company also has contracted for service from NWP's Plymouth, Washington LNG facility. Plymouth is located in Benton County, Washington approximately 30 miles south of Kennewick. According to NWP's website, the total facility has storage capacity of 2.4 BCF. Cascade has leased approximately 28% of this storage capacity.

Both Jackson Prairie facilities and the Plymouth facility are located directly on NWP's transmission system. Therefore, storage withdrawal rates can be changed several times during an individual gas day to accommodate weather driven changes in core customer requirements. This type of operating flexibility would not necessarily be available with off-system storage. Withdrawal capabilities must also be accompanied by firm capacity on the transporting pipeline(s) to be of any value as a reliable source of gas supply. Cascade's Jackson Prairie storage and Plymouth LNG service require TF-2 firm transportation service for storage withdrawals; Cascade has sufficient firm TF-2 service to meet its storage daily deliverability levels. The Company's contracted storage services are summarized in Table 4-1.

**Table 4-1: Cascade Leased Storage Services (Volumes in Therms)**

| Facility | Storage Capacity | Withdrawal Rights |
|---|---|---|
| Jackson Prairie (Principle) | 6,043,510 | 167,890 |
| Jackson Prairie (Expansion) | 3,500,000 | 300,000 |
| Jackson Prairie (2012) | 2,812,420 | 95,770 |
| Plymouth LNG (Principle) | 5,622,000 | 600,000 |
| Plymouth LNG (2016) | 1,000,000 | 181,250 |

[2] *See* https://pse.com/aboutpse/PseNewsroom/MediaKit/052_Jackson_Prairie.pdf, as of October 25, 2017.

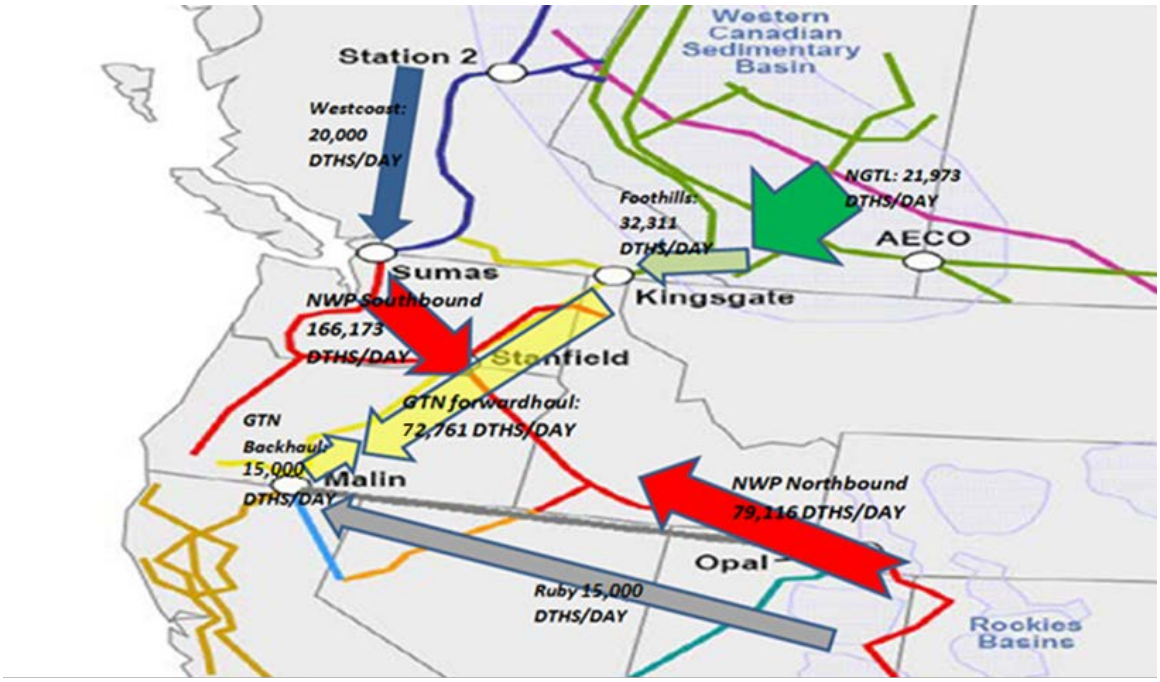
## Capacity Resources

Capacity options are either interstate pipeline transportation resources or capacity on Cascade's local distribution system. Cascade's local distribution system is built to serve the entire connected load in its various distribution service areas on a coincidental demand basis, regardless of the type of service the customer may have been receiving.

Pipeline transportation resources are utilized to transport the gas supplies from the producer/supply sources to Cascade's system. Cascade currently purchases supplies from three different regions or basins: U.S. Rockies, British Columbia, and Alberta, Canada. Unless the supplier has bundled its sale of gas supplies with capacity (i.e. a citygate delivery), these resources require pipeline transportation to deliver them to Cascade's local distribution system. Transportation resources historically have been purchased from the pipeline at the time of an expansion under long-term (20 to 30 year) contracts.

Cascade has over 30 long-term annual contracts with NWP, numerous long-term annual and winter-only transportation contracts with GTN (including the upstream capacity on TransCanada Pipeline's Foothills and Alberta systems), a long-term, winter-only contract with Ruby Pipeline, and one long-term annual contract with Enbridge (Westcoast Transmission) in British Columbia, Canada. These contracts do not include storage or other peaking services that may provide additional delivery capability rights ranging from nine to 120 days. Figure 4-3 provides a general flow of Cascade's combined contracted pipeline transportation rights.

**Figure 4-3: Regional Map Showing Current Contracted Pipeline Transportation Flow**




A complete listing of Cascade's current transportation agreements is provided in Appendix E.

At a minimum, in order to ensure a diversified physical portfolio, the basic design of Cascade's transportation portfolio considers incorporating these general physical products or elements:

- Annual supply package;
- November through March (the whole heating season);
- December through February (peak of the heating season);
- Spring Seasonal (Apr-Jun);
- Spring/Summer Seasonal (April through October);
- Day Gas;
- On an annualized basis, supplies are typically secured as follows: 1/3 British Columbia, 1/3 Alberta and 1/3 Rockies; and
- No more than 25% of the overall portfolio can be supplied by a single party.

## Natural Gas Price Forecast

For IRP purposes, the Company develops a baseline, high, and low natural gas price forecast. Demand, oil price volatility, the global economy, electric generation, opportunities to take advantage of new extraction technologies, hurricanes and other weather activity will continue to impact natural gas prices for the foreseeable future.

Cascade considers price forecasts from several sources, such as Wood Mackenzie, Energy Information Administration (EIA), Bentek, NYMEX Henry Hub, Northwest Power and Conservation Council (NWPCC), as well as Cascade's own observations of the market to develop the low, base, and high price forecasts. For confidentiality purposes, the Company refers to the selected sources as Sources 1-4 when discussing how these sources are weighted in Cascade's Henry Hub forecast. The following discussion provides an overview of the development of the baseline forecasts.

Cascade's long-term planning price forecast is based on a blend of futures market pricing along with long-term fundamental price forecasts from multiple sources. Since pricing on the market is heavily influenced by Henry Hub prices, the Company closely monitors this market trend. While not a guarantee of where the market will ultimately finish, the futures market (NYMEX) is the most current information available that provides some direction as to future market prices. On a daily basis, Cascade can see where Henry Hub is trading and how the future basis differential in the Company's physical supply receiving areas (Sumas, AECO, Rockies) is trading.

Cascade believes that relying on a single source for developing the Company's 20-year price forecast is not the most reasonable approach. Some sources such as EIA and Wood Mackenzie produce Henry Hub pricing over the long-term; whereas other sources like the NYMEX basis (e.g., Sumas) provide price indicators over a shorter period of time. Additionally, price forecast sources produce their forecasts or indicators at varying points in time throughout the year. Finally, most forecasts are at an annual level vs a monthly level. In order to capture the potential seasonality as well as the variances of monthly price within the producing basins, the Company blended the pricing data from these various forecast sources. It should be noted that at the time the 2018 IRP price forecast was developed, Source 4 was the only source to provide a forecast from 2036 onward. Cascade used this source exclusively for its 2037-2038 forecast after normalizing its pricing by comparing the source's forecast to Cascade's blended forecast in years prior and adjusting the source's forecast accordingly. As will be discussed in Section 7, Resource Integration, incremental resource decisions are anticipated to be in place before 2028; consequently, the Company does not believe using a levelized version of Source 4's 2037-38 price forecast had a material impact on resource selection or the avoided costs.

The fundamental forecasts of Wood Mackenzie, the EIA, NWPCC, and Cascade's trading partners are resources for the development of a blended long-range price forecast. Wood Mackenzie publishes a long-term price forecast twice a year to subscribing customers. This forecast was broken down by month through the planning horizon and includes Henry Hub as well as basis differentials for the Company's receiving areas. Cascade also considers the EIA forecast; however, it has its limitations since it is not always as current as the most recent market activity. Further, the EIA forecast provides monthly breakdowns in the short-term, but longer-

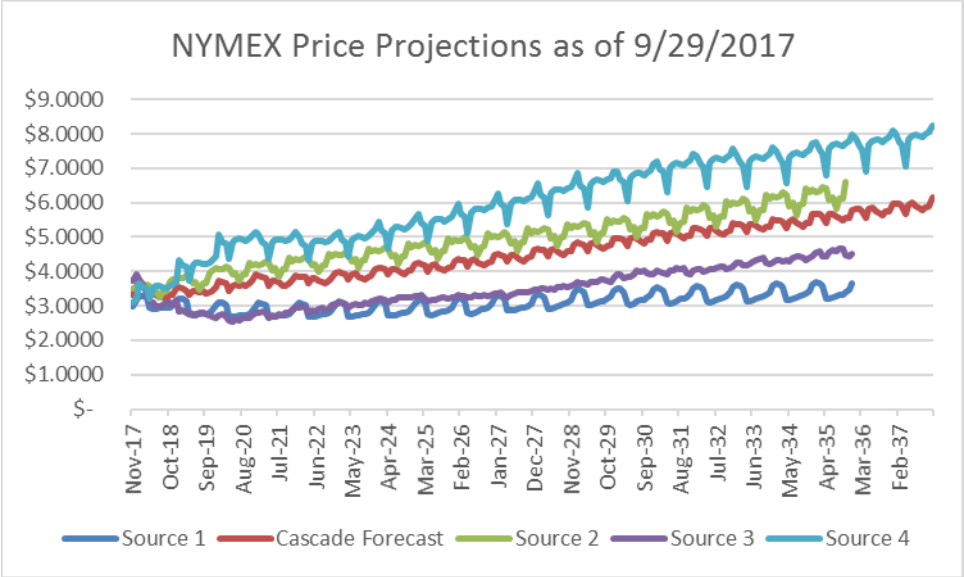
term forecasts are only by year. Many of the other sources mentioned only provide price forecasts by year. Given Cascade's load profile and the need for more winter gas than summer, the Company developed a pattern based on the market monthly forward prices to create a long-term, monthly Henry Hub price.

With a monthly Henry Hub price determined from the above sources, the Company assigned a weight to each source to develop the monthly Henry Hub price forecast for the 20-year planning horizon. These weights were derived by calculating the Symmetric Mean Absolute Percentage Error (SMAPE) of each source versus actual Henry Hub pricing since 2010. The inverse of these errors terms was then used to determine the weight given to each source. A sample of the forecast weighting factors are shown in Table 4-2. The Company gave Sources 2 and 3 the most weight at the start of the planning horizon, as these sources have historically been the most accurate in its short-term forecasting. A comparison of the sources Cascade uses in its forecast and the actual blended forecast is provided in Figure 4-4. As discussed, only one source has a forecast from 2037 onward, so all other sources cut off after 2036.

**Table 4-2: Sample of Cascade's Henry Hub Price Forecast Weights**

| Date | Source 1 | Source 2 | Source 3 | Source 4 |
|---|---|---|---|---|
| 18-Jan | 7.443% | 27.601% | 51.155% | 13.802% |
| 18-Feb | 4.103% | 40.758% | 43.028% | 12.111% |
| 18-Mar | 4.142% | 42.124% | 38.518% | 15.216% |
| 18-Apr | 4.619% | 41.958% | 37.283% | 16.140% |
| 18-May | 5.469% | 41.641% | 36.015% | 16.876% |
| 18-Jun | 5.248% | 40.041% | 37.548% | 17.163% |
| 18-Jul | 3.654% | 41.433% | 39.335% | 15.578% |
| 18-Aug | 3.970% | 41.695% | 38.973% | 15.362% |
| 18-Sep | 3.324% | 48.277% | 34.266% | 14.132% |
| 18-Oct | 4.354% | 49.429% | 31.572% | 14.646% |
| 18-Nov | 4.459% | 51.308% | 29.570% | 14.663% |
| 18-Dec | 5.599% | 49.377% | 29.287% | 15.737% |

**Figure 4-4: Henry Hub Price Forecast by Source ($US/Dth)**




## Development of the Basis Differential for Sumas, AECO and Rockies

Cascade utilizes the basis differential from Wood Mackenzie's most recently available update and compares that to the future markets' basis trading as reported in the public market because the Company's physical supply receiving areas (Sumas, AECO, and Rockies) are typically traded at a discount to Henry Hub. Correspondingly, the Company applied a weighted average to determine the individual basis differential in the price forecast.

In order to determine the low case and high case, the Company utilized the EIA economic growth factors which are 1.6 for the Low Case, 2.2 for the Reference Case, and 2.6 for the High Case.[3]

Please see Appendix G for the 20-year price forecasts details.

## Incremental Supply Side Resource Options

As is more thoroughly described in Section 7, Resource Integration, some of the load growth over the planning horizon will require Cascade to secure incremental supply side resources. The purpose of this section is to identify the potential incremental supply resources the Company considered for the 2018 IRP.

[3] EIA 2017 Annual Energy Outlook

Cascade models its incremental resources simultaneously through SENDOUT®. This allows the Company to evaluate each resource as a potential solution relative to all other resources, without any bias towards any particular option. Cascade utilizes functionality within SENDOUT® to allow the program to deterministically select the optimum timing and quantity of incremental supply resources. Any of the following resources that do not appear in Cascade's final preferred portfolio were deemed to be either not cost-effective or not optimal in comparison with other resource options.

**Pipeline Capacity**

- **Cross Cascades, Trail West (Palomar, NMax, Sunstone, Blue Bridge, et al):** Trail West is a pipeline starting at GTN's system near Madras, Oregon, and connecting NWP's Grants Pass Lateral near Molalla, Oregon. Since portions of the Company's distribution system are not connected to Molalla, incremental pipeline capacity would be needed to transport gas northbound to certain load centers. NWP has proposed a transport service that would bundle Trail West capacity with NW Natural's northbound Grants Pass Lateral capacity. From Cascade's perspective, this might present an alternative means to move Rockies' gas to the I-5 corridor.

- **GTN Capacity Acquisition:** The Company would acquire currently unsubscribed capacity on GTN in order to secure its gas supplies at liquid trading points to serve Central Oregon.

- **NWP Eastern Oregon Expansion:** This alternative resource would be incremental NWP capacity from a Washington State receipt point that is designed to serve load growth needs in Zone 24 and Zone ME-OR. Examples of the Cascade service areas that would benefit from this project are Pendleton and Baker City. Similar to a proposed NWP Wenatchee expansion, it would be relatively small scale and could be expected to have a relatively high unit cost.

- **NWP Express Project/I-5 Sumas Expansion Project (Regional or Cascade Specific Project):** Cascade envisions this project as expanding capacity from Sumas on a potential NWP project that is the successor to the Western Expansion project. It would potentially combine Cascade's infrastructure expansion needs with other regional requests from parties such as LDCs, power generators, and large petrochemical projects. The scale of this project is larger, potentially resulting in a more favorable unit cost; although with scale and multiple parties involved, timing for in-service dates may vary by the various participants. Examples of the Cascade service areas that would benefit from this project are Bellingham, Mount

Vernon, Bremerton and Longview. Recently, Avista, Cascade, NW Natural, and Puget Sound Energy agreed to combine their efforts as a group to work with the regional pipelines (GTN, NWP) on potential expansions in the region.

- **NWP Wenatchee Expansion:** This alternative resource would be incremental NWP capacity from a Washington State receipt point (e.g. Sumas) that is designed to serve load growth needs in Zone 10 and Zone 11. Examples of the Cascade service areas that would benefit from this project are Yakima and Wenatchee. Accordingly, it would have a relatively small scale and so could be expected to have a relatively high unit cost.

- **NWP Zone 20 Expansion:** This alternative resource would be incremental NWP capacity from a Washington State receipt point that is designed to serve load growth needs in Zone 20. Examples of the Cascade service areas that would benefit from this project are Kennewick and Moses Lake. Similar to a proposed NWP Wenatchee expansion, it would have a relatively small scale and so could be expected to have a relatively high unit cost.

- **Pacific Connector:** The Pacific Connector Pipeline project is tied to the development of the Jordan Cove LNG export terminal in Coos Bay, Oregon. This pipeline starts near Malin, Oregon, and would cross NWP's Grants Pass Lateral (GPL) in the vicinity of Roseburg, Oregon. This project presents an opportunity as a potential supply resource for this IRP. Cascade would not be seeking to become a shipper on Pacific Connector. The Company views this project as bundled pipeline supply service from Malin to the Company's citygate. The project was initially denied due to lack of demand. That has changed but it faces considerable opposition. Incremental transport involving GTN might be necessary to ensure transport from Malin to Cascade's GTN receipt point at Turquoise Flats.

- **Southern Crossing Expansion:** FortisBC has proposed a reinforcement project for the Southern Crossing Pipeline that would permit more flow of Alberta gas to Sumas. This would also require an expansion of NWP from Sumas at the Canadian border which in the Company's mind does not need to be modeled since it essentially is replicated by the current inclusion of the NWP I-5 expansion project. This is primarily a price arbitrage opportunity, but the Company does not see any significant advantage to the system at this point given limited availability to move the gas from Sumas. However, Cascade will continue to consider this resource to see if it might make sense as a potentially cost-effective dedicated resource for the Company's direct connect with Westcoast.

**Storage Opportunities**

- **AECO Hub Storage:** This is Niska's commercial natural gas storage business in Alberta, Canada. The service is comprised of two gas storage facilities: Suffield (South-eastern Alberta) and Countess (South-central Alberta). Although the two AECO facilities are geographically separated across Alberta, the toll design of the NOVA (NGTL) system means they are both at the same commercial point. Capacity at one of the facilities is possible as an alternative resource. Currently, no open season is planned. However, some services are available for limited periods of time but are subject to possible interruption. Incremental transport involving Nova, Foothills, GTN, and possibly NWP would be necessary.

- **Gill Ranch Storage:** Gill Ranch Storage is an underground intra-state natural gas storage facility near Fresno, Calif. It includes a pipeline that links the facility to Pacific Gas & Electric Company's (PG&E) mainline transmission system, allowing it to serve customers throughout California. Storage from this facility would require California Gas Transmission (CGT) transport, which has a potentially cost-prohibitive demand charge of $1.68/Dth. Incremental transport involving GTN would also be necessary.

- **Mist (North Mist II):** According to NW Natural's 2016 IRP (LC 64), Chapter 3, pages 3.34 and 3.35,

  > NW Natural is in the midst of a project called North Mist that would combine new underground storage at Mist and a new transmission pipeline to serve Portland General Electric (PGE) at Port Westward called North Mist. The storage reservoirs currently in service at Mist and those that would be developed as North Mist for PGE do not collectively exhaust Mist's storage potential; other Mist *production reservoirs* that theoretically could be developed by NW Natural into additional storage resources. The primary impediment in doing so is not geological, but the challenges associated with developing new pipeline capacity to move the gas from Mist to the Company's load centers.
>
> NW Natural identifies a prospective Mist expansion project for core customer use in this IRP as 'North Mist II.' North Mist II involves 100 MMcf/day of maximum delivery capacity coupled with a maximum storage capacity of 2.0 billion cubic feet (Bcf), and includes a new compressor station and associated appurtenances. These capabilities would be exclusively for utility use. Should a third party want to subscribe to a North Mist II expansion, total deliverability and storage capacity would increase to match those additional subscribed amounts.

Cascade will continue talks with the Mist parties to see if those opportunities may be cost-effective.

- **Ryckman Creek Storage:** Ryckman Creek Resources, LLC, is a wholly-owned subsidiary of Peregrine Midstream Partners, LLC. Ryckman Creek Gas Storage Facility is located near the town of Evanston, Wyoming and approximately twenty-five miles southwest of the Opal Hub. Ryckman Creek has converted a partially depleted oil and gas reservoir into a gas storage facility with 35 BCF of working gas and a maximum daily withdrawal rate of 480,000 Dths/d. Ryckman Creek currently has interconnects with Questar Gas Pipeline, Kern River Transmission, Questar Overthrust Pipeline, Ruby Pipeline, and NWP. Incremental transport involving Questar and possibly Ruby would be necessary (Cascade's transportation contract with Ruby is currently winter-only).

- **Wild Goose Storage:** Wild Goose is located north of Sacramento in northern California and was the first independent storage facility built in the state. The facility commenced full commercial operations in April 1999 and in April 2004 completed its first expansion. Storage from this facility would require California Gas Transmission (CGT) transport, which has a potentially cost-prohibitive demand charge of $1.68/Dth. Incremental transport involving GTN would also be necessary.

**Other Alternative Gas Supply Resources**

- **Satellite LNG:** Some gas utilities rely on satellite LNG tanks to meet a portion of their peaking requirements. The term satellite is commonly used because the facility is scaled-down and has no liquefaction capability. Instead, its usefulness revolves around the availability of another (no doubt larger) facility with the ability to supply the LNG to fill its tank(s). LNG facilities in this context are peaking resources because they provide only a few days of deliverability, and should not be confused with the much larger facilities contemplated as LNG export or import terminals. The concept is that a small tank serving a remote area would be filled with LNG as winter approaches, and the site operated during cold weather episodes when vaporization is required. Since Satellite LNG has no on-site liquefaction process, the facility is fairly simple in design and operation. While likely as expensive as some pipeline projects, Satellite LNG may be more practical in areas where pipeline capacity shortfalls for peak day are the highest and most immediate. The addition of satellite LNG could defer significant pipeline infrastructure investments for several years.

- **Bio-natural gas (BNG):** BNG typically refers to gas produced by the biological breakdown of organic matter in the absence of oxygen. BNG originates from biogenic material and is a type of biofuel. One type of BNG is produced by anaerobic digestion or fermentation of biodegradable materials such as biomass, manure or sewage, municipal waste, green waste, and energy crops. This type of BNG is comprised primarily of methane and carbon dioxide. The principal type of BNG is wood gas, which is created by gasification of wood or another biomass. This type of BNG is comprised primarily of nitrogen, hydrogen, and carbon monoxide, with trace amounts of methane. The gases, methane, hydrogen and carbon monoxide, can be combusted or oxidized with oxygen. Air contains 21% oxygen. This energy release allows BNG to be used as a fuel. It can also be utilized in modern waste management facilities where it can be used to run any type of heat engine to generate either mechanical or electrical power. BNG is a renewable fuel, which can be used for transport and electricity production, so it attracts renewable energy subsidies in some parts of the world. Cascade has had preliminary discussions with several bio digester developers who are looking to participate in California's Renewable Identification Number (RINs) market. Also, the Company has had discussions with developers on biogas projects that use renewable energy to capture $CO_2$ from industrial processes and convert it to several commodities, one being methane. This biogas can then be re-injected into a distribution system. Costs are projected to be $30/dth and are not economically viable at this time. Cascade continues to monitor the BNG activities of companies such as PG&E, Intermountain Gas, Sempra Utilities, and Puget Sound Energy.

- **Re-alignment of Maximum Daily Delivery Obligations (MDDO):** Cascade has long held more delivery rights than receipt rights on NWP under its principle 100002 agreement. This was a result of FERC Order 636, when NWP was required to assign upstream capacity directly on GTN (formerly known as Pacific Gas Transmission) to the shippers that were using that capacity. NWP allowed the direct assignment as part of the conversion from their merchant role to an open access pipeline. However, NWP did not lower its capacity contract to reflect the direct assignment. In effect, this increased Cascade's system capacity by the amount GTN would directly be providing to Cascade. On the plus side, this gives Cascade great flexibility to utilize 316,994 Dths/day of delivery rights vs 205,123 Dths/day of receipt rights. Cascade has the right to deliver gas to any delivery point within Washington and Oregon so long as the total MDDOs are not exceeded. Cascade and NWP have worked continuously in recent years for ways to address Cascade's potential peak day capacity shortfalls through re-alignment of the Company's contractual rights where possible, which mitigates the need to acquire incremental NWP capacity through expansions.

Cascade considers Unconventional Gas Supply Resources such as supplies from a LNG Import Terminal, local bio-natural gas or other manufactured gas supply opportunities as speculative supply side resources at this point in time. Ultimately these unconventional gas supply resources are treated as alternative resources and have to compete with traditional gas supplies from the conventional gas fields in Canada or the Rockies for inclusion in the Company's portfolio planning.

**Supply Side Uncertainties**

Several uncertainties exist in evaluating supply side resources. These include regulatory risks, deliverability risks, and price risks. Regulatory risks include the unknown impacts of future Federal Energy Regulatory Commission (FERC) or Canada's National Energy (NEB) Board rulings that may impact the availability and cost of interstate pipeline transportation.

Deliverability risk is the risk that the firm supply will not be available for delivery to the Company's distribution system. Purchasing resources from larger producers or marketers who typically have gas reserves in multiple locations may minimize this risk. The risks associated with prices rising or falling during any winter period represent another supply side uncertainty. To the extent the Company purchases firm contracts that are tied to an index price, it may be at risk for paying more than was initially anticipated for the resource after the resource decision has been made. Price risks associated with climbing prices can be minimized through the use of fixed price contracts or through the use of financial derivatives.

As the United States continues to search for environmentally friendly, economically viable options to displace gasoline, natural gas is seen as a fuel that could significantly contribute to lessening American dependency on foreign oil. It should be noted that several proposals being discussed or that are in process involve a number of Canadian upstream pipelines which could have a direct impact on the availability of supply or at least may pose potential risks to increases in the price of supplies sourced from British Columbia and Alberta. For example, earlier this year, TransCanada executed transportation agreements with 23 companies to transport approximately 1.42 million dekatherms per day at a notable discount rate of approximately $0.65 US per dekatherm from Empress, Alberta, to southwestern Ontario on their mainline system. The current rate is $1.60 US per dekatherm.[4] This new service may impact the amount of Alberta gas available for companies such as Cascade. The Company will continue to monitor and be actively involved in the various pipeline forums as these initiatives develop.

[4] Financial Post, October 2, 2017.

## Financial Derivatives and Risk Management

Cascade constantly seeks methods to ensure customers of price stability. In addition to methods such as long-term physical fixed price gas supply contracts and storage, another means for creating stability is through the use of financial derivatives. The general concept behind a derivative is to lock-in a forward natural gas price with a hedge, consequently eliminating exposure to significant swings in rising and falling prices. Financial derivatives include futures, swaps, and options on futures or some combination of these.

Natural gas futures contracts are actively traded on the NYMEX. The use of futures allows parties to lock-in a known price for extended periods of time (up to six years) in the future. Contracts are typically made in quantities of 10,000 Dths to be delivered to agreed-upon points (e.g., NWP Sumas, Westcoast Station 2, NGTL AECO, NWP Rockies, etc.).

In a swap, parties agree to exchange an index price for a fixed price over a defined period. In this scenario, Cascade would be able to provide its customers with a fixed price over the duration of the swap period. In theory, the price would be levelized over the long-term. Futures and swaps are typically called costless because they have no up-front cost.

Unlike futures and swaps, an option-only provides protection in one direction - either against rising or falling prices. For example, if Cascade wanted to protect customers against rising gas prices but keep the ability to take advantage of falling prices, Cascade would purchase a call option on a natural gas future contract. This arrangement would give the Company the right (but not the obligation) to buy the futures contract at a previously determined price (strike price). Similar to insurance, this transaction only protects the Company from volatile price spikes, via a premium. The premium is typically a function of the variance between the strike price compared to the underlying futures price, the period of time before the option expires, and the volatility of the futures contract.

Cascade's GSOC oversees the Company's gas supply hedging strategy. The Company's current gas hedging strategy is outlined below:

### Hedged Fixed-Price Physical or Financial Swaps

- Year one up to 40% of annual requirements
- Year two set at up to 25%
- Up to 20% hedged volumes for year three

Depending on market conditions, the strategy allows for the ratchets to increase to 75%, 50%, and 30%, respectively, provided current market information supports moving to a different level.

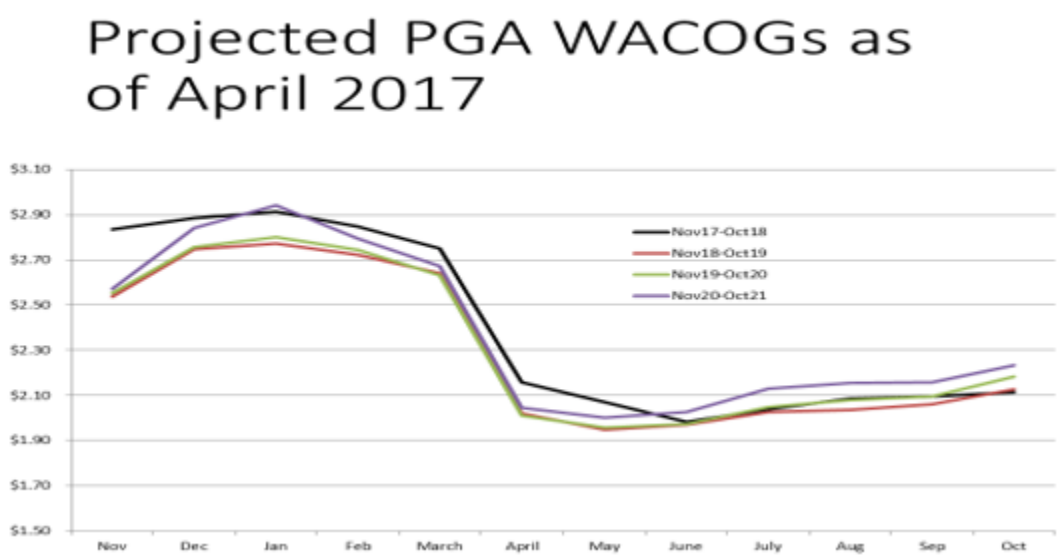
Cascade may employ prudent risk management strategies within designated parameters to minimize the risk of operating losses or assumption of liabilities from commodity price increases because the price the Company pays for gas is subject to market conditions. Risk is associated with business objectives and the external environment. The number of hedging strategies to deal with risk are almost infinite. To manage risk, it is categorized by whether the risk is one to be avoided, one to be accepted and controlled, or a risk left uncontrolled. When a risk is high impact with a high likelihood of occurrence, the risk is probably too high in relation to the reward and should be avoided. It is reasonable to accept business risks that can be managed and controlled. For some risk, the measurable impact is low and the risk may not be worth controlling at all. These are risks where the Company can absorb a loss with little financial or operational effect. The Company's policy is directed toward those risks that are considered manageable, controllable, and worth the potential reward to customers. This manageable risk includes acceptable analysis of the possible side effects on the financial position of the Company as compared to the rewards.

The use of derivatives is permitted only after identified risks have been determined to exceed defined tolerance levels and are considered unavoidable. Cascade's GSOC makes these decisions. In recent years, GSOC has adjusted the percentage of the portfolio hedged based on volatility of the market. For example, in the early 2000s, the Company hedged up to 90% of the base gas supply portfolio. When MDU Resources acquired Cascade in 2007, this threshold was reduced to 75% to align with MDU Resources' Corporate Derivatives Policy. As the market began to fall dramatically in the 2008-2010 period, the Company continued to lower the percentage to approximately 30%. Current MDU Resources' corporate policy encourages Cascade to keep the hedging percentage less than 50%. For the 2018 procurement design GSOC felt that with Cascade's unique load and wide geographical profile, the lack of price volatility would potentially expose the Company to unreasonable premiums on derivatives. Therefore, GSOC chose to hedge using fixed priced physicals. Currently, Cascade hedges approximately 40% of the portfolio using fixed priced physicals.

The Company entered into fixed price physical transactions rather than executing financial swaps for the current programmed buying period. Fixed prices consist of locked-in prices for physical supplies. As will be further described in this section, the Company utilizes a programmed buying approach for locking in or hedging gas supply prices. In light of the relative lack of volatility in current prices, abundant supply, concerns regarding the administrative impacts of the Dodd-Frank Wall Street Reform Act, and an open hedging docket in Oregon and a new hedging policy in Washington, Cascade has not executed any new financial derivatives or considered

any for the 2018 IRP. The Company still monitors the outer years and stands ready to execute financial swaps when market and pricing conditions are more favorable. At the time the current procurement strategy was made the forward price spread between the November 2017 through October 2018 period and the November 2020 through October 2021 period was less than 20%, which was deemed a reasonable and manageable spread given market intelligence available. Figure 4-5 provides a graph showing the Company's projected weighted average cost of gas (WACOG) for the 2018 IRP by PGA year.

**Figure 4-5: Potential Cascade WACOG as of April 2017**




On March 13, 2017, the Washington Utilities and Transportation Commission (WUTC) issued its Policy and Interpretative Statement on Local Distribution Companies' (LDCs) Natural Gas Hedging Practices in Docket UG 132019. This policy can be found at the following link: https://www.utc.wa.gov/docs/Pages-/DocketLookup.aspx?FilingID=132019. This statement provided guidance on how LDCs should develop and implement more robust risk management strategies, analyses and reporting related to hedging activities. The OPUC initiated Docket UM 1720 as a result of long-term hedging guidelines proposed by NW Natural in their 2014 IRP. Throughout both processes Cascade has provided comments and explanations of its risk management efforts. On an interim basis, the Company will continue to utilize the currently approved hedging plan while implementing a more robust hedging strategy over the course of the next two years. The Company will continue to participate actively in Docket UM 1720.

**Portfolio Purchasing Strategy**

GSOC oversees the Company's gas supply purchasing strategy. Based on current stable prices and a robust supply picture, the Company considers contracting physical supplies for up to five years (based on a warmer-than-normal weather pattern). The Company's current gas procurement strategy is to secure physical gas supplies for approximately one-third of the core portfolio supply needs each year for the subsequent rolling three-year period. This method ensures some portion of the current market prices will affect a portion of the next three years of the portfolio.

In Spring 2017, GSOC approved a portfolio design for three years as follows:[5]

- Portfolio consists of physical supply procurement (index and fixed) design based on a declining percentage each year, accordingly: Year 1: Approximately 80% of annual requirements; Year 2: 40%, Year 3: 20%.
- 80% allows more flexibility operationally.
- Allows Cascade to be in the market monthly through FOM purchase or Day Gas purchases.
- Hedged percentages (fixed-price physical) set at a maximum of 40% of annual requirements. Year 2 is set at 25%, and 20% hedged volumes for Year 3.
- Due to new WUTC hedging policy, may need to consider puts, calls, or financial derivatives to address fixed-priced physicals that may become out of synch with the market.
- GSOC will consider a modification of this plan if the outer year three-year forward price is 20% higher/lower than the front month over a reasonably sustained period.
- The portfolio can always be modified with additional years if a significant discount price materializes.
- Maintain a diversity of physical supplies from Alberta, British Columbia, and Rockies.
- Maximize supplies from the regions that afford the lowest prices, taking into consideration available gas supply, pipeline transport and known operational conditions. Gas from AECO is currently the lowest-cost gas in the Company's supply portfolio. Station 2 is also relatively inexpensive, but the Company has limited available T-South transport under contract. Sumas is often the highest-priced supply, but in recent times it has been less expensive than Rockies except for certain times during the winter.
- Include a small level of annual supplies.
- Annual load expectation (November through October) is approximately 30,000,000 dths, consistent with recent load history.
- Considerations of structured products, caps, floors, etc., are not to exceed 5% of overall contract supply target.

[5] GSOC annually determines the number of years (zero to five) to include in the rolling portfolio plan.

Under this procurement strategy approximately 10% to 20% of the annual portfolio is to be met with spot purchases. Spot purchases consist of either first of the month transactions, executed during bid week for the upcoming month, or day purchases which are utilized to meet incremental daily needs.

Once GSOC has approved the portfolio procurement strategy and design, the Company employs a variety of methods for securing the best possible transaction under existing market conditions. Cascade employs a bidding process when procuring fixed priced physical, indexed spot physical, as well as financial swaps used to hedge the price of underlying index based physical supplies. In the bidding process, the Company alerts a minimum of three suppliers and/or financial counterparties of the specific gas supply transactions Cascade plans to fill. Cascade then collects bids from these parties over a period of time for the packages sought, comparing the indicative pricing to each party as well as comparing the information to market intelligence available at the time. Ideally, after monitoring these indicatives and the market, Cascade awards the specific packages to individual parties. Naturally, price is the principle factor; however, Cascade also considers reliability, financial health, past performance, and the party's share of the overall portfolio so that the Company ensures party diversity. It should be noted that the lowest market price may occur during a period when the Company is initially gathering the price indicatives; in that situation there is a risk that a sudden price run-up may lead to filling the transaction at the higher end of the bids over time, or delay the acquisition to another time. However, the reverse is also true—the initial price indicatives may start high and drop over time allowing us to capture the transaction on the downward swing. In the end, timing is always a factor as the market cannot be predicted with any certainty.

Cascade follows a similar process when it submits a formal request for proposal (RFP) to the various suppliers. Parties are asked to provide offers on specific packages, but are also encouraged to propose other transactions or packages that they feel may be of interest in helping Cascade secure financially attractive and flexible transactions to meet the Company's needs. This process requires additional analysis regarding operational reasonableness, timing, and volumes. Price comparisons also become more complicated since pricing could be tiered; part of a structure deal may be tied to an index or contains floors, caps, etc. Cascade utilizes TruMarx's COMET transaction bulletin board system to assist in communicating, tracking, and analyzing these RFP activities.

## Conclusion

Cascade's 20-year supply side resource goal is to continue to meet the energy needs of its core market customers. This is accomplished through a package of services that combines adequate gas supplies and cost-effective winter peaking services with long-term pipeline transportation contracts and sufficient distribution system capacity

at the lowest possible cost. The Company has identified several transport, storage, and other alternative resources which may be modeled to join the Company's existing demand and supply side resources to address the load demand needs over the planning horizon.

# SECTION 5

# AVOIDED COSTS

## Overview

The avoided cost is the estimated cost to serve the next unit of demand with a supply side resource option at a point in time. This incremental cost to serve represents the cost that could be avoided through energy conservation. The avoided cost forecast can be used as a guideline for comparing energy conservation with the cost of acquiring and transporting natural gas to meet demand.

This section presents Cascade's avoided cost forecast and explains how it was derived. While the IRP is only a 20-year plan, avoided costs are forecast for 45 years to account for the full measure life of some conservation measures, such as insulation which has a 30-year life. The avoided cost forecast is based on the expected cost scenario.

**Key Points**

- Avoided cost forecasting serves as a guideline for determining energy conservation targets.
- Cascade's avoided cost includes fixed transportation costs, variable transportation costs, fixed storage costs, commodity costs, a carbon tax, a risk premium, and a 10% adder.
- In future IRPs, the Company may include a value for avoided or delayed distribution investment.
- The total avoided cost ranges between $0.4204 and $1.2078/therm over the 20-year planning horizon.

## Costs Incorporated

The components that go into Cascade's avoided cost calculation are as follows:

$$AC_{nominal} = (TC_f + TC_v + SC_f + SC_v + (CC * C_{tax}) + DSC + RP) * E_{adder}$$

Where:

- $AC_{nominal}$ = The nominal avoided cost for a given year. To put this into real dollars you must apply the following: Avoided Cost/ (1+discount rate)^Years from the reference year.
- $TC_f$ = Fixed Transportation Costs
- $TC_v$ = Variable Transportation Costs
- $SC_f$ = Fixed Storage Costs
- $SC_v$ = Variable Storage Costs
- $CC$ = Commodity Costs
- $C_{tax}$ = Carbon Tax
- $E_{adder}$ = 10% Adder for Non-Quantifiable Environmental Benefits
- $DSC$ = Distribution System Costs
- $RP$ = Risk Premium

The following parameters are also used in the calculation of the avoided cost:

- The most recent load forecast (8/4/2017);
- The inflation rate used is tied to the Consumer Price Index (CPI); and
- The discount rate of 6.35% (Cascade's After-Tax Marginal Weighted Average Cost of Capital).

**Understanding Each Component**

- **Fixed Transportation Costs**

  Fixed transportation costs are the cost per therm that Cascade pays for the right to move gas along an upstream pipeline. As is implied by the name, this cost is incurred whether gas flows along a pipeline or not. This rate is set by the various pipelines and can be changed if the pipeline files a rate case. The final rates filed at the conclusion of a rate case (whether reach through settlement or hearing) must be approved by the Federal Energy Regulatory Commission (FERC) . To model rate increases in its forecast, Cascade multiplies its transportation costs by the CPI escalator every four years. Four years is a proxy since rate cases are not filed each year. Fixed transportation costs differ for various jurisdictions. For instance, some contracts do not serve Oregon, so these costs would be excluded from an Oregon-specific avoided cost, but included in a Washington- or system-wide calculation.

  For its 2018 IRP, Cascade transportation forecasts shortfalls to begin in 2019. Once these shortfalls begin, the next therm saved would not apply to existing contracts, but rather would prevent the need to acquire additional transportation. To this end, fixed transportation costs after 2018 represent the average reservation rate of all incremental contracts that would be used to solve shortfalls. Importantly, in some cases these costs are an estimate based on information from the pipelines, and furthermore, should be treated as confidential as any incremental fixed transportation costs could ultimately be a negotiated rate.

- **Variable Transportation Costs**

  Variable transportation costs are the cost per therm that Cascade pays only if the Company moves gas along a pipeline. This rate is set by the various pipelines and can be changed if the pipeline files a rate case. The final rates filed at the conclusion of a rate case (whether reach through settlement or hearing) must be approved by the Federal Energy Regulatory Commission

(FERC). To model rate changes in its forecast, Cascade multiplies its transportation costs by the CPI escalator every four years. Four years is a proxy, since rate cases may not be filed each year. Variable transportation costs differ based on the jurisdiction the calculation represents. Some contracts do not serve Oregon, for instance, so these would be excluded from an Oregon-specific avoided cost, but would be included in a Washington- or system-wide calculation.

For its 2018 IRP, Cascade forecasts shortfalls to begin in 2020. Once these shortfalls begin, the next therm saved would no longer apply to existing contracts, but would rather prevent the need to acquire additional transportation. To this end, variable transportation costs after 2018 represent the average demand charge of all incremental contracts that would be used to solve shortfalls. It is worth noting that these costs are estimated based on information from the pipelines, and should be treated as confidential as any incremental variable transportation costs could ultimately be a negotiated rate. These costs are still inflated by the CPI escalator every four years to mimic the occurrence of potential rate cases.

- **Fixed Storage Costs**

  Fixed storage costs are the cost per therm that Cascade pays for the right to store gas at a storage facility. As is implied by the name, this cost is assessed regardless of whether gas is stored. This rate is set by the various storage facilities and can be changed if the facility-owner files a rate case and FERC or NEB approves it. To model rate increases in its forecast, Cascade multiplies its storage costs by the CPI escalator every four years since rate cases may not be filed each year. As stated earlier, Cascade does not forecast a need to acquire additional storage, so the current storage rates are used in this calculation for the entire planning horizon.

- **Variable Storage Costs**

  Variable storage costs are the cost per therm that Cascade pays for the inventory held at a storage facility. This rate is set by the various storage facilities and can be changed if the storage operator files a rate case, subject to FERC or NEB approval. To emulate rate increases in its forecast, Cascade increases its storage costs by the CPI escalator every four years. Four years is used as a proxy since rate cases are not filed each year. As stated earlier Cascade does not forecast a need to acquire additional storage, so the current storage rates are used in this calculation for the entire planning horizon.

- **Commodity Costs**

  Commodity Costs are the costs of acquiring one therm of gas. Since Cascade does not know where it will purchase the next therm of gas, all three basins that Cascade purchases gas from (AECO, Sumas and Rockies) are weighted equally. The price that is used for each year's calculation is the December monthly price from Cascade's 20-year price forecast, as it would be expected that the therm of gas saved would occur on Cascade's peak day, which is modeled as December 21st of each year.

- **Carbon Tax**

  Once the Company has calculated its average cost of gas, a price for an expected carbon tax must be added. Cascade's avoided cost workbook has a tab labeled "Tax" that converts the cost of a tax in dollars per metric ton to dollars per dekatherm. Currently, Cascade forecasts for a scaling carbon tax, starting at $10/metric ton in 2018 and increase by $10/metric ton each year until 2023, where the tax is capped at $60/metric ton. This is based on a 2013 study performed by Portland State University.[1] This results in a $0.583 cost per dekatherm increase, or $0.0583 cost per therm increase, for each $10/metric ton. Since the Company can serve both Washington and Oregon with gas from all three basins, the calculation for commodity cost is the same for Washington and Oregon.

- **Environmental Adder**

  Cascade complies with ORS 469.631(4) and includes the 10% adder for non-quantifiable environmental benefits initially recommended by the Northwest Power and Conservation Council prior to the practice being codified in statute. The 10% adder is added after the cost of gas and taxes are applied.

- **Distribution System Costs**

  Distribution system costs capture the costs of bringing gas from the citygate to Cascade's customers. At this time, Cascade's distribution system costs are not included in the Company's avoided cost calculation. The Company continues to work on developing a methodology for quantifying its distribution costs for the purposes of avoided cost calculation.

[1] https://www.pdx.edu/nerc/sites/www.pdx.edu.nerc/files/carbontax2013.pdf

- **Risk Premium**

  Risk Premium attempts to capture costs associated with hedging, such as the premium associated with financial derivatives. Cascade currently takes the approach that a prudent risk management program should ultimately be cost neutral, as a hedge would only be entered into when a need to mitigate risk occurs. At this time, Cascade's risk premium is a zero value. Cascade will continue to examine this for futures IRPs.

## Application

The 2018 IRP makes several enhancements in calculating and applying the avoided costs. This cost figure becomes the foundation for many prudency determinations both operationally and from a resource planning perspective. It may be helpful to think of the final avoided cost figure as something of a cutoff point. Any action that would save a therm of gas could be evaluated based on the cost per therm saved of that measure. If that number is lower than the avoided cost, it may make sense to implement that measure. If not, such a measure may not be optimal to engage in. In Oregon, Cascade works with the Energy Trust of Oregon (ETO) to set targets based on the calculated avoided cost figure, and to implement programs to achieve them.

## Results

Table 5-1 displays the avoided cost by each conservation zone over the 20-year IRP horizon. For the 2018 IRP the system avoided costs range between $0.4204/therm and $1.2078/therm over the 20-year planning horizon.

As mentioned earlier, the avoided cost is based on the 20-year expected scenario. Overall, avoided costs for the 2018 IRP are higher than in recent IRPs. Other than the fixed cost increases due to the inclusion of several alternative resources selected as part of the preferred portfolio, the inclusion of a scaling carbon tax is the main driver for higher costs. The 45-year avoided costs and other detailed tables of avoided costs, including various carbon scenarios, are found in the Excel version of Appendix H.

**Table 5-1: Avoided Costs by Conservation Zone (Cost per Therm)**

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.434922 | $ 0.434922 | $ 0.434922 | $ 0.420425 | $ 0.434922 | $ 0.423868 |
| **2019** | $ 0.512113 | $ 0.526231 | $ 0.660431 | $ 0.496729 | $ 0.566259 | $ 0.594917 |
| **2020** | $ 0.605459 | $ 0.619577 | $ 0.753777 | $ 0.590075 | $ 0.659604 | $ 0.688263 |
| **2021** | $ 0.686542 | $ 0.700661 | $ 0.834861 | $ 0.671159 | $ 0.740688 | $ 0.769347 |
| **2022** | $ 0.758409 | $ 0.772861 | $ 0.910228 | $ 0.742663 | $ 0.813833 | $ 0.843168 |
| **2023** | $ 0.837539 | $ 0.851991 | $ 0.989358 | $ 0.821793 | $ 0.892963 | $ 0.922298 |
| **2024** | $ 0.852453 | $ 0.866905 | $ 1.004272 | $ 0.836707 | $ 0.907877 | $ 0.937212 |
| **2025** | $ 0.874609 | $ 0.889061 | $ 1.026428 | $ 0.858863 | $ 0.930033 | $ 0.959368 |
| **2026** | $ 0.887803 | $ 0.902720 | $ 1.044516 | $ 0.871549 | $ 0.945013 | $ 0.975294 |
| **2027** | $ 0.908921 | $ 0.923839 | $ 1.065634 | $ 0.892667 | $ 0.966131 | $ 0.996412 |
| **2028** | $ 0.924638 | $ 0.939555 | $ 1.081351 | $ 0.908383 | $ 0.981848 | $ 1.012129 |
| **2029** | $ 0.956559 | $ 0.971477 | $ 1.113272 | $ 0.940305 | $ 1.013769 | $ 1.044050 |
| **2030** | $ 0.971362 | $ 0.986824 | $ 1.133795 | $ 0.954514 | $ 1.030660 | $ 1.062046 |
| **2031** | $ 0.990062 | $ 1.005525 | $ 1.152496 | $ 0.973215 | $ 1.049361 | $ 1.080747 |
| **2032** | $ 1.008054 | $ 1.023516 | $ 1.170487 | $ 0.991206 | $ 1.067352 | $ 1.098738 |
| **2033** | $ 1.010394 | $ 1.025856 | $ 1.172828 | $ 0.993547 | $ 1.069693 | $ 1.101079 |
| **2034** | $ 1.014908 | $ 1.030958 | $ 1.183519 | $ 0.997420 | $ 1.076462 | $ 1.109042 |
| **2035** | $ 1.032217 | $ 1.048268 | $ 1.200829 | $ 1.014729 | $ 1.093771 | $ 1.126351 |
| **2036** | $ 1.022698 | $ 1.038748 | $ 1.191309 | $ 1.005210 | $ 1.084252 | $ 1.116831 |
| **2037** | $ 1.039268 | $ 1.055318 | $ 1.207879 | $ 1.021780 | $ 1.100822 | $ 1.133402 |

# SECTION 6

# DEMAND SIDE MANAGEMENT AND ENVIRONMENTAL POLICY

## Overview

Demand Side Management (DSM) refers to the reduction of natural gas consumption through the installation of energy efficiency measures such as insulation or more efficient gas-fired appliances or through load management programs. The Company's primary means for reducing load is through energy efficiency programs that provide customers with financial incentives to install energy efficiency measures or appliances. The Company's energy efficiency programs in Oregon and Washington offer rebates to homeowners, commercial customers, industrial customers, and builders. Because the customer must ultimately make the decision to invest in an energy efficiency measure, DSM is unlike other supply side resources which the Company can independently secure.

This section presents the methodology used to determine the Company's DSM supply curve for the 20-year planning period, the Company's annual savings targets, and a narrative on how DSM goals will be achieved.

**Key Points**

- Cascade targets saving approximately 41 million therms systemwide over the 20-year planning horizon; 11.86 million therms in Oregon and 29 million therms in Washington.
- Energy Trust of Oregon performed the Technical Potential analysis that informs the savings targets in Oregon for this Plan.
- Cascade has thoroughly integrated the elements of the Company's DSM programs into the full IRP planning process by forecasting the DSM potential at the climate zone level.
- Programs are designed to achieve DSM savings targets by offering customers incentives for installing energy efficiency measures.

This section also considers policy initiatives addressing carbon mitigation that may increase the cost of gas service, thus making more DSM cost-effective in Oregon and Washington, as well as at the federal level.

## Cascade's Oregon Energy Efficiency Program

The Energy Trust of Oregon (Energy Trust) administers the following energy efficiency programs in Oregon on behalf of Cascade:

- Residential (Existing and New Home Construction)
    - Single family, moderate income, manufactured homes
        - Weatherization, HVAC & water heating equipment

- Commercial (Existing, New and Multifamily)

- Retail, offices, schools, groceries & other associated market segments
  - Weatherization, controls, HVAC & water heating equipment

- Industrial & Agriculture (Non Transport Sites)
  - Manufacturing facilities, greenhouses
    - Process improvements, HVAC & water heating equipment, operations and maintenance

The Energy Trust of Oregon is an independent, nonprofit organization initially established to provide energy efficiency services and renewable energy programs to customers of Oregon's investor-owned electric utilities in a restructured electric market. Over time, each independently-owned, local distribution company has transferred control of its energy efficiency programs to Energy Trust as a condition for Commission approval of their independent decoupling mechanisms. As such, Energy Trust provides energy efficiency services to much of Oregon. The Energy Trust's program offerings can be found online at www.energytrust.org.

Cascade offers a comprehensive low-income weatherization program administered by Community Action Agencies (CAAs) who provide whole-home weatherization services to qualified customers at no direct cost to the customer. While the low-income programs are designed to meet the unique needs of qualifying customers, the therm savings acquired in these programs contribute to the total DSM savings target. The Company does not have income data for its customers and, therefore, cannot separately estimate the therm savings potential for just its low-income program. The program details are found in Schedule 33, Oregon Low-Income Energy Conservation Program of the Company's Oregon tariff. Further detail on this program is provided later in this chapter.

## Cascade's Washington Energy Efficiency Program[1]

Cascade administers its energy efficiency program in Washington. The methodology for establishing Cascade's long-term planning targets as well as the savings targets are included in both the Company's 2016 IRP, filed in the Washington Utilities and Transportation Commission's (WUTC's) Docket UG 160453. A recapitulation of the Company's short-term goals and initiatives for achieving these goals is available in the Company's Conservation Plan filed in WUTC Docket UG 161253 and included in Appendix D.

The Company's program offerings are broad, including rebates to homeowners for furnaces and water heaters as well as rebates to commercial customers for gas

[1]The Oregon IRP rule requires planning on a system basis, hence the inclusion of Washington energy efficiency descriptions herein.

fryers and gas convection ovens. The sectors covered through these programs include the following:

- Residential (Existing and New Home Construction)
    - Single Family & Manufactured
        - Built Green & Energy Star homes, weatherization, HVAC and water heating equipment, Energy Savings Kits, exterior doors, and programmable thermostats

- Commercial/Industrial (New and Existing)
    - HVAC and water heating equipment, weatherization, controls, energy savings kits, commercial kitchen, clothes washers, and custom

The Company's specific program offerings are detailed in the Company's Washington tariff found online at www.cngconserve.com.[2]

As in Oregon, Cascade offers a comprehensive low-income weatherization program administered by CAAs. The specific details of the Company's offering can be found in Schedule 301, Low Income Weatherization Incentive Program in the Company's Washington tariff.

**20-Year Forecast for Cascade Natural Gas Corporations' DSM Potential in Oregon**

The Energy Trust analyzes energy savings on a consistent and comparable basis with other supply side resources. All cost-effective energy efficiency is identified via the long-term planning process and Energy Trust is tasked with acquiring this resource on behalf of Cascade. Cascade and Energy Trust work closely together to ensure that the Energy Trust has access to the Company's most recent forecasting data, and is able to effectively integrate this information into their assessment of the Company's DSM potential. Throughout the IRP process, both entities communicated and coordinated on an ongoing basis to maximize forecast accuracy and to provide adjustments to analysis where appropriate. For this planning cycle, the Company and Energy Trust spent nearly a year engaged in constructive, cumulative dialogue, beginning with an exchange of load and customer growth forecasting; and avoided costs; as well as discount and inflation rates. From there, a series of meetings and calls were launched to ensure that both parties were comfortable with the analysis as it proceeded, and that the associated narrative was a reflection of such collaboration.

As a result of this joint-coordination, Energy Trust produced a 20-year forecast of the energy efficiency resource potential for all utilities it serves in Oregon. Below

[2]See Schedule 300, Residential Conservation Incentive Program; Schedule 301, Low Income Weatherization Incentive Program; Schedule 302, Commercial/Industrial Conservation Program. Tariffs are posted online at www.cngc.com.

is a detailed list of each step in Energy Trust's process for determining the long-term, energy efficiency potential:

1. *Identify all available DSM measures:* Energy Trust compiled a list of all commercially available and emerging technology measures for residential, commercial, industrial, and agricultural applications installed in new or existing structures. Appendix D contains tables of the measures studied for each customer class and a summary of the economic assessment for each.

2. *Incorporate demographic information from the utility:* While the first step was being completed, Energy Trust incorporated data from Cascade's demographic study to characterize the existing and forecasted building stock in Cascade's service territory. Using Cascade's customer load forecasts and counts of building stock and customers, Energy Trust applied its knowledge of existing stock conditions and building codes, compiled from third-party researchers and Energy Trust's internal data, to the Company's customer forecast. Energy Trust then estimated the number of measures that could be deployed in the Company's service territory over the 20-year time horizon. The primary sources used to develop these assumptions included:

    a. Northwest Energy Efficiency Alliance's (NEEA) Residential Building Stock Assessment (RBSA)
    b. NEEA's Commercial Building Stock Assessment (CBSA)
    c. Energy Trust Program Data
    d. Industrial Assessment Centers Database
    e. Assumptions derived from Cascade's customer and load data

3. *Determine the technical potential:* The technical potential is the total number of therms that could be saved in Cascade's service territory assuming adoption and installation of all technically feasible measures with energy efficiency potential. Energy Trust assigns all measures listed under Step 1 a technical feasibility factor to account for limitations that might prevent installation; for example, commercial buildings that do not have the space and infrastructure to install a boiler. This technical savings potential does not account for the various market barriers to a 100% adoption rate, which are discussed in the next steps.

4. *Determine the achievable potential:* Energy Trust created the achievable potential by reducing the technical potential by 15% to account for market barriers that prevent total adoption of all cost-effective measures. Defining the achievable potential as 85% of the technical potential is the generally accepted method employed by many industry experts, including the Northwest Power and Conservation Council (NWPCC) and National Renewable Energy Lab (NREL).

5. *Determine the cost-effective potential:* Energy Trust created the cost-effective potential by screening all DSM measures using the Total Resource Cost (TRC) test, which is a benefit-cost ratio (BCR) that measures the cost effectiveness of the investment being made in an efficiency measure. The TRC evaluates the total present value of benefits attributable to the measure divided by the total present value of all costs. A TRC test value equal to or greater than one means the value of benefits is equal to or exceeds the costs of the measure, and is, therefore, cost-effective and contributes to the total amount of cost-effective potential. The TRC is expressed formulaically as follows:

   TRC = Present Value of Benefits / Present Value of Costs

   Where the *Present Value of Benefits* includes the sum of the following two components:

   a. *Avoided Costs*: The value of gas energy saved over the life of the measure as determined by the total therms saved multiplied by the Company's avoided costs. The avoided costs include commodity and transportation costs, plus the 10% Northwest Power Act credit, which is meant to provide an economic advantage to energy efficiency, a risk premium value for DSM, and carbon policy adder. [3,4] See Section 5 for a more in-depth conversation on Avoided Costs.

      The total avoided cost for a measure depends upon that measure's expected lifespan (or measure life), end-use, and seasonality of savings. Savings that occur during the winter season are more valuable than savings that occur during the summer season because gas commodity prices are higher during the heating season. The net present value of these benefits is calculated based on the measure's expected lifespan using the Company's discount rate.

   b. Non-energy benefits are also included when present and quantifiable by generally-accepted practices (for example, water savings from low-flow showerheads).

   Where the *Present Value of Costs* includes the sum of the following two components:

   a. The participant's remaining out-of-pocket costs for the installed cost of the measures after state and federal tax credits if applicable; and

[3]Officially known as the Pacific Northwest Electric Power Planning and Conservation Act codified as ORS 469.631 through 469.645

[4]*See*: Section 5 for a discussion of Cascade's avoided cost.

b. Operations and maintenance costs over the life of the measure, if applicable.

Figure 6-1 graphically depicts the difference technical, achievable, and cost-effective potential.

**Figure 6-1: Categories of Potential DSM Savings Identified in Energy Trust Forecast**

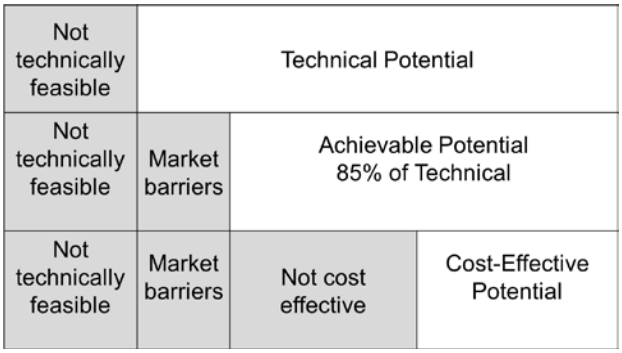



Table 6-1 provides the technical, achievable, and cost-effective potential in Cascade's Oregon service territory by customer class for the next 20-years.

**Table 6-1 Summary of Resource Potential (2018–2037)**

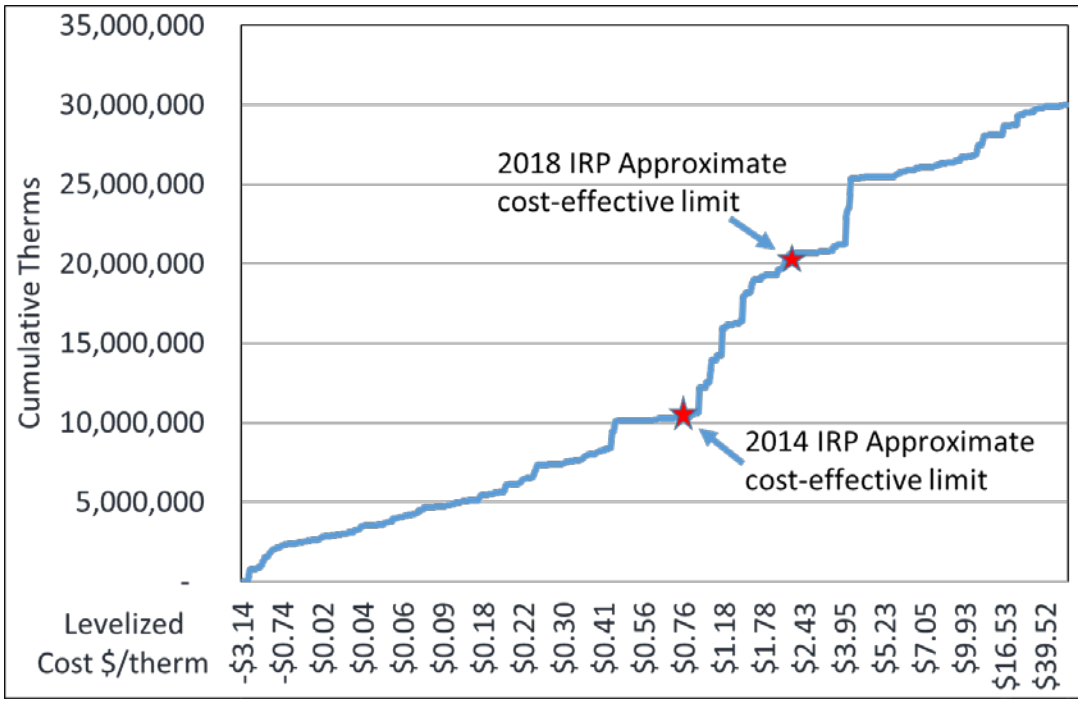
| Sector | Technical Potential (Therms) | Achievable Potential (Therms) | Cost-Effective Achievable Potential (Therms) |
|---|---|---|---|
| **Residential** | **17,580,928** | **14,943,789** | **12,148,348** |
| **Commercial** | **12,225,805** | **10,391,934** | **6,638,878** |
| **Industrial** | **1,957,048** | **1,663,491** | **1,627,931** |
| **Efficiency Total** | **31,763,780** | **26,999,213** | **20,415,156** |

The savings discussed in this section are shown as gross savings. Energy Trust publicly reports its Oregon savings and goals in 'net' savings, which are adjusted for spillover and free riders. Spillover occurs when a customer not applying for program incentives reduces his/her energy use or installs energy efficient measures because the program has raised her/his awareness of energy efficiency. Free ridership refers to a customer's participating in the program when the program information or incentive did not influence the customer's efficiency decision. Gross savings are all acquired through the program regardless of the program's influence on customers and best reflect the amount of future gas demand that will be avoided.

6. *Levelized Cost Determination by Measure*: Once the list of measures was compiled, Energy Trust determined a levelized cost per therm for each measure. The levelized cost is the present value of the total cost of the measure over its economic life converted to equal annual payments per therm of energy savings. The levelized cost calculation starts with the incremental capital cost of a given measure. The total cost is amortized over an estimated measure lifetime using the Company's discount rate of 6.35%.[5] The annual measure cost is then divided by the annual energy savings, in therms.

   Levelized costs can be graphically depicted to demonstrate the total potential therms that could be saved at various costs for all conservation measures. Figure 6-2 shows a resource supply curve that can be used for comparing demand side and supply side resources. The two cost thresholds shown as vertical dotted lines represent the approximate levelized cost cutoff that corresponds with the amount of cost-effective DSM potential, as determined by the TRC, when ordering all measures based on their levelized cost. Some measures have a negative levelized cost due to the inclusion of non-energy benefits which outweigh the cost of the measure.

**Figure 6-2: Cascade's 20-Year Gas Supply Curve**




[5] As required by OAR The 6.35% discount rate is Cascade's Oregon after-tax weighted average cost of capital (and assumes a 1.0% annual inflation rate).

Figure 6-2 shows a larger savings potential than was forecast in the prior IRP. This is largely due to the inclusion of additional measures in the model, as well as the use of a cost-effective override to force the addition of potential savings from measures that are not cost-effective. (This is further explained following Figure 6-4.)

Examples of measures that have been included but are not cost-effective under current valuation methodology include single family residential ceiling, wall, and floor insulation, which are offered under certain criteria, and the 0.67 and .70 EF domestic gas tank water heaters. Part of the rationale for continuing to offer these measures is to maintain consistency in the market and to retain relationships with vendors and trade allies who are relied upon to sell the energy efficiency products.

The OPUC has granted Energy Trust exceptions for the above-stated measures because they meet one of the seven exception criteria established in Order No. 94-550 issued in Docket No. UM 551. Specifically, Commission Order No. 94-590 in Docket UM 551 specifies that the TRC must be used to determine if energy efficiency measures and programs are cost-effective. The same order allows for measures that are not cost-effective to be included in utility programs if it is demonstrated that:

- The measure produces significant non-quantifiable non-energy benefits. In this case, the incentive payment should be set at no greater than the cost-effective limit (defined as present value of avoided costs plus 10%) less the perceived value of bill savings, e.g. two years of bill savings;
- Inclusion of the measure will increase market acceptance and is expected to lead to reduced cost of the measure;
- The measure is included for consistency with other DSM programs in the region;
- Inclusion of the measure helps to increase participation in a cost-effective program;
- The package of measures cannot be changed frequently and the measure will be cost-effective during the period the program is offered;
- The measure or package of measures is included in a pilot or research project intended to be offered to a limited number of customers; and
- The measure is required by law or is consistent with Commission policy and/or direction.

The Commission has provided exceptions for a number measures over the last few years as Energy Trust works to lower costs and design new ways to offer measures in a more cost-effective manner. While there continues to be uncertainty around the future price of gas and whether measure costs can be adequately reduced, the Energy Trust has been allowed ongoing exceptions to these measures and felt it appropriate to include the savings potential from these measures in its DSM potential forecast to not understate the savings potential that exists.

The following lists all measures that have been included in the analysis by using the cost-effective override:

- Commercial Insulation and Windows
- Residential Furnaces
- New Homes Construction Energy Performance Score (EPS) Pathways
- Residential Smart Thermostats
- Residential Windows
- Residential Insulation (ceiling, floor, wall)
- Residential Tank Water Heater

Tables included in Appendix D depict the 20-year cumulative achievable and cost-effective achievable potential forecast per measure grouped by sector. The tables also include the weighted average levelized cost for the savings of each measure.

Figure 6-3 shows the 20-year DSM supply curves for the technical, achievable and cost-effective achievable savings potentials in Cascade's service territory. This is a cumulative potential; it has not been shaped to represent what Energy Trust expects it can acquire in a given year. Growth over time is primarily driven by new building construction and equipment turnover.

**Figure 6-3: Cumulative Potential (2018-2037) by Sector and type of Potential**

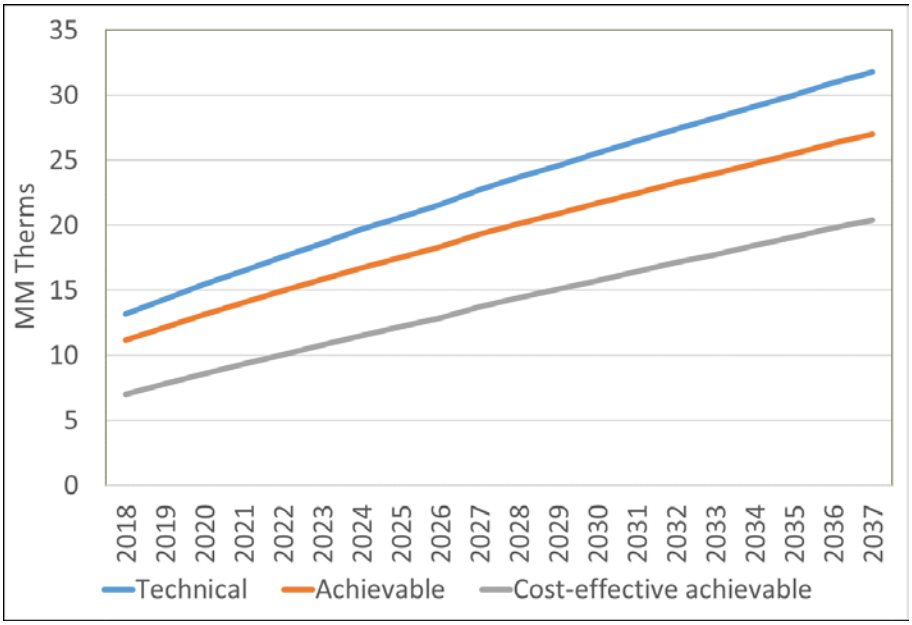


Figure 6-4 provides the technical, achievable and cost-effective achievable savings potentials for the 20-year planning period by customer class.

**Figure 6-4: Cumulative Potential (2018-2037) by Sector and Type of Potential**

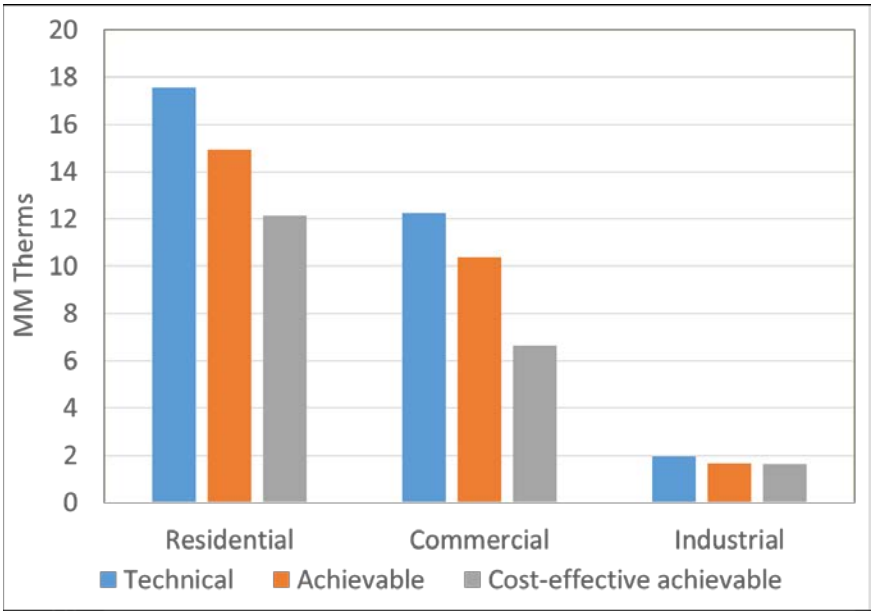



Table 6-2 shows the potential savings in the resource assessment model that was added by employing the cost-effectiveness override option. The cost-effectiveness override option forces non-cost-effective potential into the cost-effective potential results and is used when a measure meets one of the following two criteria:

1. The measure is not cost-effective but is offered through Energy Trust programs under an OPUC exception and is expected to be brought into cost-effective compliance in the near future.

2. The measure is cost-effective using statewide blended avoided costs and is currently offered through Energy Trust programs, but is not cost-effective when modeled with current Cascade-specific avoided costs.

The inclusion of certain cost-effective override measures under the conditions described above is consistent with the approach the Energy Trust has taken for other natural gas utilities. The goal of such analysis is to capture the full range of energy conservation potential in alignment with the energy efficiency resources that Energy Trust is pursuing through current program offerings.

**Table 6-2: Cumulative Cost-Effective Potential (2018-2037) due to use of Cost-effectiveness override**

| Sector | Yes CE Override | No CE Override | Difference |
|---|---|---|---|
| **Residential** | 12.15 | 5.78 | 6.37 |
| **Commercial** | 6.64 | 6.47 | 0.17 |
| **Industrial** | 1.63 | 1.63 | - |
| **Total DSM:** | **20.42** | **13.88** | **6.54** |

The cumulative savings from the cost-effective override represent 32% of the total cost-effective potential identified for the 20-year forecast; 97% of these savings come from the Residential Sector. Importantly, while these savings were forced into cost-effectiveness, its effect is mitigated by the amount of savings potential selected for deployment in the final savings projection, which relies on program input and predicts what amount of that cost effective potential Energy Trust anticipates acquiring through its programs. Only a portion of the cost-effective potential from lost opportunity measures--such as new construction and replacement of end-of-life equipment--is expected to be acquired given program budgets, incentive levels, and customer decision making preferences. For example, the New Homes program typically brings in about 35% of the total new homes construction market. Such assumptions, which are based on historical program performance, are considered when generating the final annual savings projection.

Overall, about two-thirds of the Residential technical potential was found cost-effective. In the Commercial sector, approximately half of the technical potential identified in the model is cost-effective. For the Industrial sector, nearly all the technical potential identified is cost-effective.

Figure 6-5 shows the amount of emerging technology savings within each category of DSM potential.[6] In highlighting the contributions of commercially available and emerging technology DSM contributions, the graph indicates that while over six million therms of the DSM technical potential consists of emerging technology, once the cost-effectiveness screen is applied, only a sixth (one million therms) of that remains.

[6]Emerging technology refers to new energy saving measures that are entering, or are expected to enter the market.

**Figure 6-5: Cumulative Potential (2018-2037) by Type with Emerging Technology Contribution**

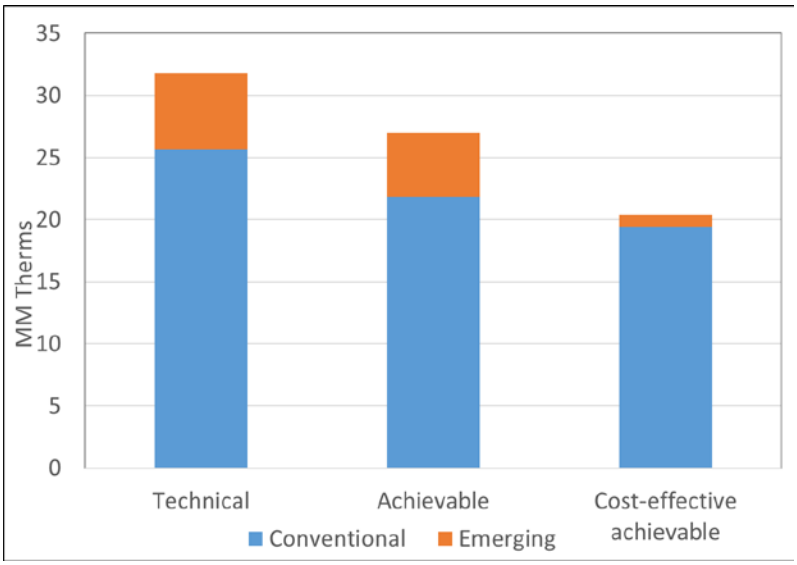
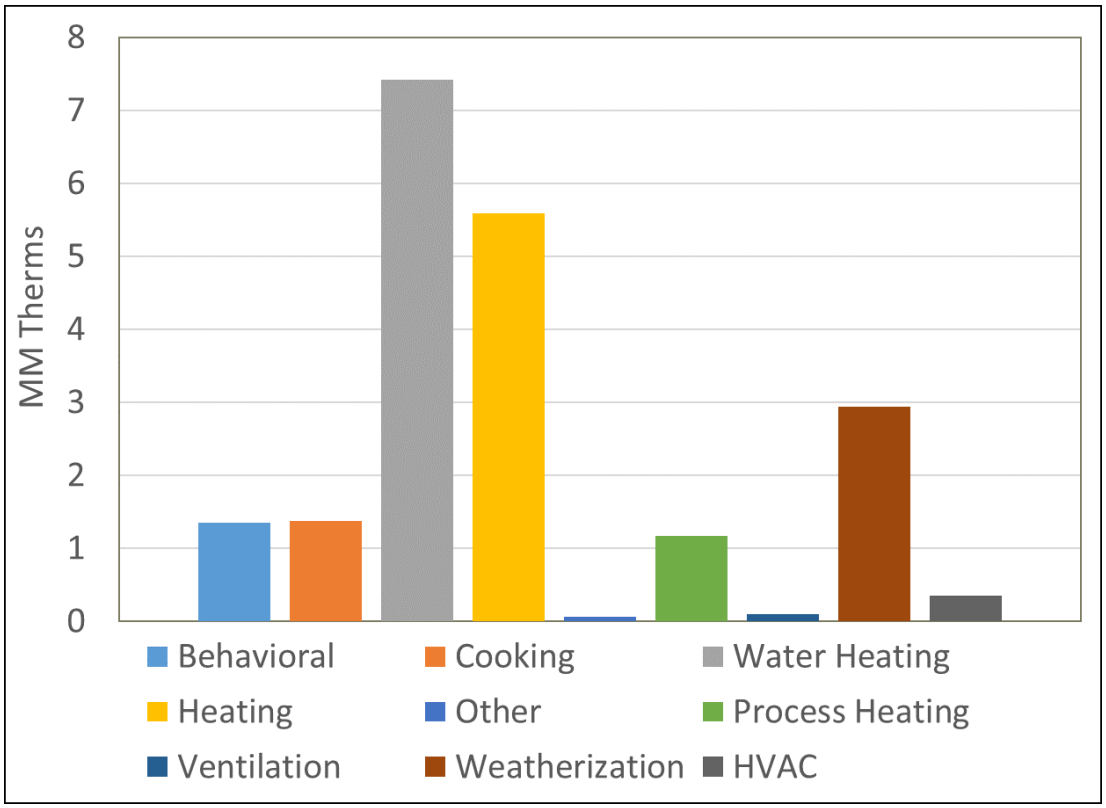


Figure 6-6 below provides a breakdown of Cascade's 20-year cost-effective DSM savings potential by end-use.[7] These figures represent total, cumulative, cost-effective achievable potential as shown in Table 6-1 prior to being reduced by program deployment assumptions.

**Figure 6-6: 20-Year Cumulative Cost-Effective DSM Potential by End Use**




Water heating and space heating are the most common end uses in Cascade's territory. Water heating measures include water heating equipment from all sectors, as well as low flow showerheads and aerators. Heating potential comes from commercial and residential heating system measures, and heating venting and air conditioning (HVAC) savings come from industrial heating and insulation measures. The behavioral end-use potential comes from Energy Trust's commercial strategic energy management measure, a service where Energy Trust energy experts provide training to facilities staff to develop the skills to identify operations and maintenance changes that make a difference in a building's energy

[7]End-uses with water heating savings come from all sectors and cover a range of water heating equipment, including from new construction measures. End-uses with space heating savings potential include commercial and residential heating equipment like furnaces, boilers and controls. It also includes smart thermostats and new home construction savings. End-uses with flat savings potential are cooking, other, water heating, process heating, and HVAC. Due to recent interest in quantifying peak savings, which are most directly related to space heating during the winter, Energy Trust recognizes the need to revisit the assumptions and categorization of load profiles for certain measures in the resource assessment model.

use. It also includes residential personal energy reports and smart home automation devices. The savings from the other category include a variety of measures, but the potential shown here is from greenhouse upgrades offered under the industrial program.

## Energy Trust's Modeling Tool

A significant portion of the calculations involved in performing the DSM forecast are completed within Energy Trust's resource assessment tool. This tool is comprised of economic modeling software built in 2014 by Navigant Consulting Inc. in the Analytica software platform. It is used to estimate the technical, achievable, and cost-effective achievable potential for demand-side resources in Cascade's service territory across the residential, commercial, and industrial sectors. The model primarily takes a bottom-up approach and is built from all the measures available across each sector and installed or delivered in homes and businesses. All measures have gas savings and costs associated with them, and incorporate Cascade's customer and load data, as well as many other inputs to determine how many of what measure could potentially be installed into a given building through time. The product of all these factors results in the total 20-year DSM potential available for acquisition to serve Cascade's customers and associated demand.

## Modeling Changes and Sensitives in Oregon

Cascade's 2014 IRP and this IRP both used the new Energy Trust model described above. However, it's important to note that the model which drove the current forecast was the product of many updates. This makes it different from the model used in 2014 and accounts for the significant changes in outcomes between the two planning cycles. The following improvements contributed to the changes in energy efficiency potential identified during this DSM forecast:

- Refreshed measure assumptions. Energy Trust has completed two measure update processes since the model was used in Cascade's 2014 IRP. The refreshed assumptions include baseline adjustments, savings and costs updates as well as saturation rates that identify the remaining opportunities for installation. New home construction energy performance score (EPS) pathways included in this study represent a significantly different approach to this program, and resulted in additional savings potential.

- New Measures. New measures, including a commercial behavioral measure known as Strategic Energy Management (SEM), which contributed a significant amount of potential in this DSM forecast, were

added.[8] Other new measures include cooking measures for restaurants, industrial measures, and smart thermostats, which added over 760,000 therms of additional cost-effective potential.

- Emerging Technologies. Emerging technology continues to provide additional savings. It is not currently commercially available but is has a reasonable chance of becoming commercially available within the 20-year planning timeframe.

- Updated measure saturation rates from third party research and survey work. The residential building stock assessment (RBSA) and commercial building stock assessment (CBSA)—both undertaken by NEEA--serve as the primary resources for developing residential and commercial measure densities and saturation factors, which characterize the existing building stock and identify the number of possible locations for DSM measures to be installed. Since these studies have not been updated, Energy Trust updated certain measures like showerheads using internal research on historical program performance. Energy Trust also updated saturation rates based on Cascade-specific data.

**DSM Projections in Oregon: 2018-2037**

The Company foresees 11.86 million therms of its 20-year demand coming from Oregon demand side management measures delivered through the Energy Trust.

After determining the 20-year cost-effective achievable potential, Energy Trust develops a savings projection that represents what Energy Trust believes it can accomplish, based on past program experience and knowledge of current and developing markets. The savings projection is a 20-year forecast of future market penetration by programs for existing measures and new technologies within the cost-effective potential plus forecasted market transformation savings due to the Energy Trust's work towards accelerating building codes in Oregon.

The evolution from technical potential to program savings projects is depicted in Table 6-3 below.

[8]See Appendix D for additional information on Commercial SEM.

**Table 6-3: The Progression to Program Savings Projections**

<table>
<tr><td>Not technically feasible</td><td colspan="4">Technical Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td colspan="3">Achievable Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td>Not cost effective</td><td colspan="2">Cost Effective Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td>Not cost effective</td><td>Program design, market penetration</td><td>Program Savings Projection</td></tr>
</table>

Table 6-4 presents the technical, achievable, and cost-effective potentials as well as Energy Trust's therm savings target for the 20-year planning period. The cost-effective DSM savings potentials by program type and year are provided in Appendix D.

**Table 6-4: Savings Projections for Oregon**

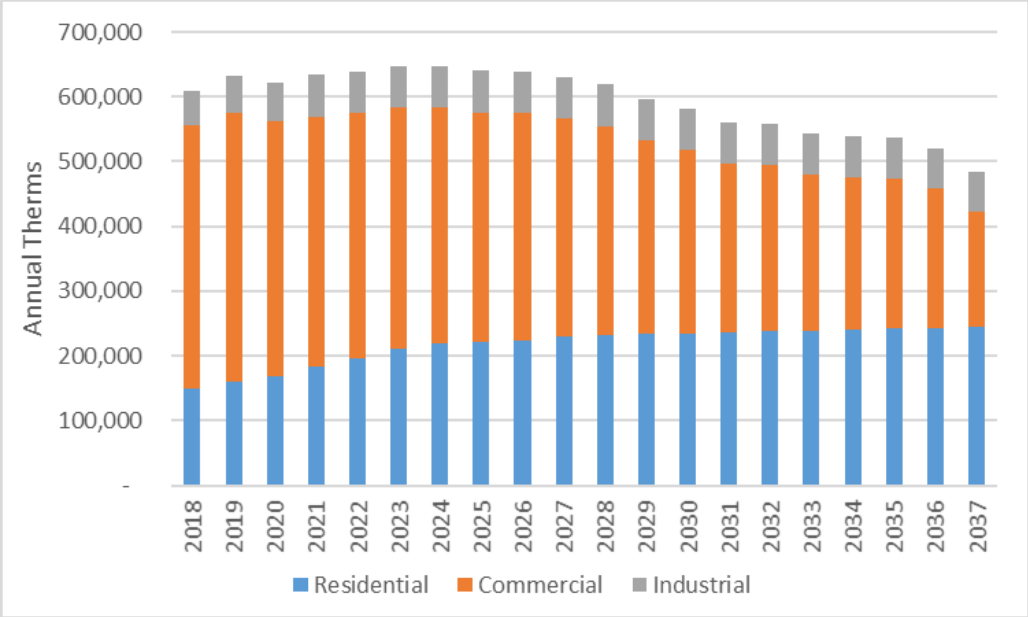
| | Technical | Achievable | Cost-effective | Energy Trust Savings Projection |
|---|---|---|---|---|
| **Residential** | 17,580,928 | 14,943,789 | 12,148,348 | 4,344,727 |
| **Commercial** | 12,225,805 | 10,391,934 | 6,638,878 | 6,285,500 |
| **Industrial** | 1,957,048 | 1,663,491 | 1,627,931 | 1,245,219 |
| **All DSM** | **31,763,780** | **26,999,213** | **20,415,156** | **11,875,446** |

The final savings projection of 11.86 million therms by 2037 in Cascade's service territory reflects the reduction to the full cost-effective potential of 20.45 million therms due to additional market-related constraints on capturing savings from replacing equipment at end-of-life and measures from new homes and buildings. Such measures are known as *lost opportunity* measures. The opportunity to acquire these savings, if lost, does not reappear again until their useful life has passed. Energy Trust assumes it can acquire a relatively sizable portion of these savings, but does not expect it can leverage all these opportunities when they arise. Energy Trust's savings projection also includes 116,500 therms achieved through known changes to future residential and commercial building codes where Energy Trust played a role in advancing the adoption of these codes and standards. Since energy consumption is reduced when more stringent building

codes are adopted, the OPUC has agreed to allow Energy Trust to claim some of the savings since its work in transforming the market influenced the changes in code. This was done for the New Homes and New Buildings programs.

Figure 6-7 depicts Energy Trust's annual savings projection for Cascade's service territory.

**Figure 6-7: 20-Year Annual Projected Savings (2017-2036)**




The decline in savings from 2019 to 2020 is due to the expiration of savings from the New Homes and New Buildings programs for past work that contributed to building code changes (otherwise known as market transformation savings) as discussed above. While it is likely that additional savings may occur when building codes are updated again, the Energy Trust cannot currently forecast the amount likely to occur in the future.

Figure 6-8 below provides a breakdown of Cascade's 20-year projected annual savings acquisition according to whether the savings occur during the heating season (space heat) or all year (flat). A significant amount of savings is available from heating load which occurs during peak periods.

**Figure 6-8: 20-Year Annual Savings Projection by end use**

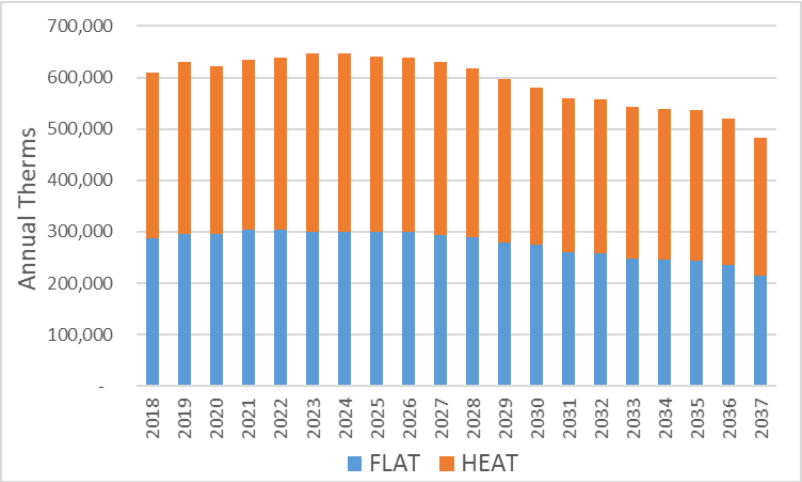
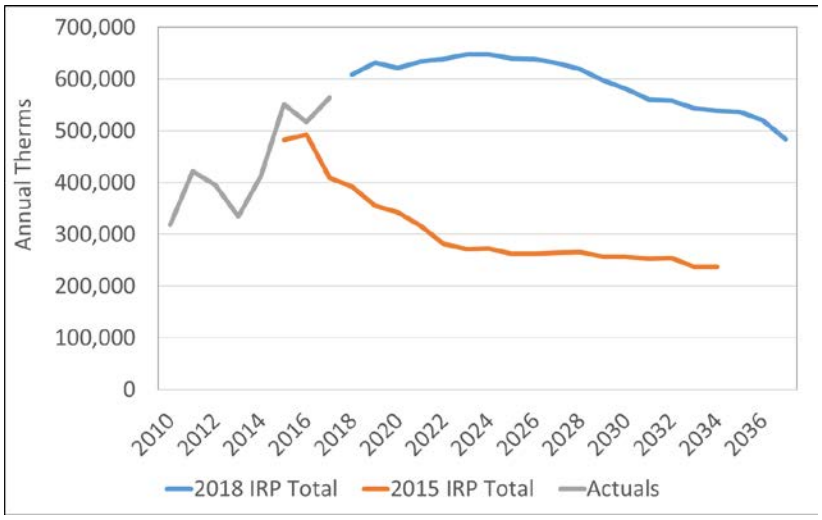



Figure 6-9 shows a comparison between the 2014 IRP and 2018 IRP projected savings deployments, with actual savings performance shown in gray for reference. The spikey nature of the actual savings line is reflective of several factors, including the small size of Cascade's Oregon service territory and the potential of overachieving or failing to miss a savings target due to the impact that large projects can have on overall annual savings achievements. Large projects can be difficult to forecast and often account for variances experienced in historical performance against goal. However, to date, Energy Trust has met or exceeded its goals in five of the last seven years.

**Figure 6-9: Annual Actual Savings History and IRP Projection Comparison**



Utilizing the *Energy Trust Resource Assessment Model* described above, Energy Trust produced the following DSM projections for Cascade's Oregon service area for the period of 2018-2037. Energy Trust used the following global inputs:

- Cascade supplied its most recent demand forecast and customer count forecast. This data was incorporated into Energy Trust's resource assessment model. Residential customer data was provided at the sector level regardless of housing type, so Energy Trust used Cascade's utility account data to then split the residential forecasts into single family, multifamily, and manufactured homes. Cascade provided Commercial and industrial forecasts to Energy Trust split by market using SIC code. SIC code was then matched with the market groups used in Energy Trust's resource assessment model.

- Energy Trust applied a real (long-term) discount rate of 6.35%.

- Cascade Natural Gas shared avoided cost of conservation values with Energy Trust in May of 2017. The avoided costs were calculated as the gas price forecast plus transport (fixed and variable transportation and storage costs), with the Northwest Power Act 10% cost credit for conservation adder and risk reduction value as well as an expected cost of $CO^2$ adder.

- The nominal cost per therm values were converted to real values using an inflation rate of 1.0%, which Cascade provided in the same avoided cost file.

The avoided cost value is the benefit per therm of savings from energy efficiency measures.

Energy Trust's analysis complied with OPUC Order No. 16-054 which directed the Company to factor for commercial market transformation savings similar to residential methods. Energy Trust integrated savings into the forecast for commercial, new construction savings for new building codes. Market Transformation savings are based on forecasts of units built to a code that would not have been in place had it not been for the program's efforts to accelerate both the change in code and builder's compliance with code.

Table 6-5 shows the shows the potential therm savings per customer class, per measure type.

**Table 6-5: Savings by Customer Class and Measure Type**

| **Measure Type** | Residential Therms Saved | Commercial Therms Saved | Industrial Therms Saved |
|---|---|---|---|
| **New** | 2,507,205 | 1,666,494 | |
| **Retrofit** | 1,438,334 | 1,775,268 | 1,076,499 |
| **Replacement/Burn-Out** | 288,850 | 1,828,489 | 168,720 |
| **Strategic Energy Management** | | 1,004,229 | |
| **New Construction Market Transformation** | 110,338 | 11,020 | |

Residential New Construction Market Transformation savings represent Energy Trust's best estimate of annual therm savings to be acquired for Cascade in Oregon. These savings targets include improvements in residential building codes adopted earlier due to Energy Trust's and NEEA's efforts.

## Capacity Contributions of Energy Efficiency

Due to an increased focus on the refinement of targeted DSM efforts and the development of strategies for avoiding or delaying distribution system reinforcements, Cascade is assessing the capacity contribution of energy efficiency at the citygate level.

Under Cascade's current analysis, demand is reduced by the inputted level of energy efficiency before any optimization is calculated. However, consistent with Commission Order No. 16-054, the Company is re-examining its approach to DSM analysis and is reviewing NW Natural's capacity contribution analysis. Cascade is also monitoring the emerging conversation taking place at the regulatory level regarding avoided costs and will use the results of this deliberation to shape future resource planning, as appropriate.

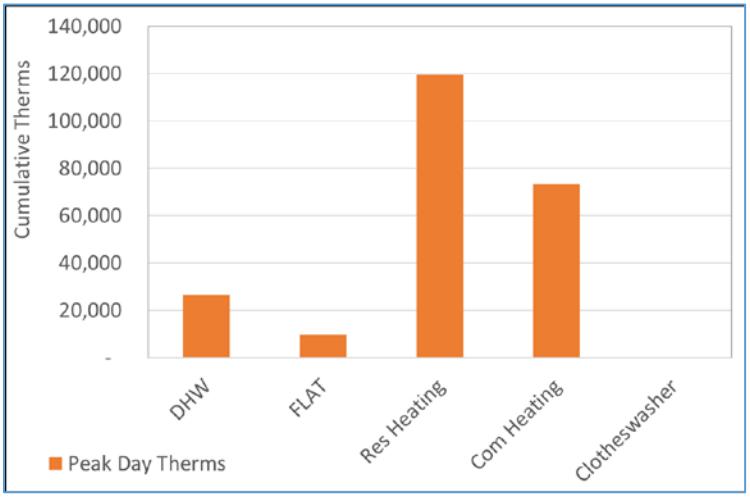
For this planning cycle, the Company is working with the Energy Trust to analyze peak day savings by load profile, with the goal of ultimately translating this into data that can be used to formulate a strategy for addressing peak day demand. A brief analysis of peak-day savings is provided in Table 6-6 below:

**Table 6-6: Peak Day/Annual Usage Saving Factors**

| Peak Day/Annual Usage Savings Factors | |
|---|---|
| **Load Profile** | **Peak Day Factor** |
| DHW | 0.40% |
| FLAT | 0.30% |
| Residential heating | 2.10% |
| Commercial heating | 1.80% |
| Clothes washer | 0.20% |

Figure 6-10 shows the amount of savings forecast for a peak day based on the factors showed in Table 6-6 as calculated against the amount of savings for these load profiles. Heating measures, which have the highest amount of annual usage coincident with peak, have the most peak savings potential. The total peak savings from this estimate is 230,000 therms or 1.1% of the total cost-effective achievable potential of 20.4 million therms.

**Figure 6-10: Peak Day Forecasting**




While reductions in peak load from all customers reduce the need for supply side resources, a full adaptation of a specifically targeted peak-management strategy would require reductions in peak load from customers connected to the portion of the distribution system that requires reinforcement. This means that for a DSM program to offer meaningful capacity contributions, the Company would need to consider a more geographically targeted, DSM strategy. Cascade will continue to coordinate both internally and with the Energy Trust to determine the optimal approach for avoiding additional capacity and the need for system reinforcements through energy efficiency.

## Program Funding

In Oregon, Cascade charges customers a public purpose charge (PPC), which is a percentage applied to customers' bills. The Company's Schedule 31, PPC was adopted in 2006 with the approval of Cascade's Conservation Alliance Plan in OPUC Docket UG 167. [9] PPC collections are used to fund Energy Trust efforts on behalf of Cascade in Oregon, and on behalf of the two Oregon low-income programs, weatherization and bill payment assistance.

In Washington, Cascade defers program costs for later collection from customers through the Schedule 596, Conservation Program Adjustment charge. Dollars collected through Schedule 596 fund the Company's residential, commercial, and industrial energy efficiency programs and the Company's low-income, weatherization program.

## Oregon Low-Income Energy Conservation Program

Cascade partners with the five Community Action agencies that serve low-income households in Central and Eastern Oregon to administer and deliver the Oregon Low-Income Energy Conservation Program (OLIEC) and its associated Conservation Achievement Tariff (CAT) program, which was made permanent on December 1, 2016.

The OLIEC program was designed to increase energy efficiency in low-income households within Cascade's Oregon service area by providing rebates for the installation of certain weatherization and conservation measures following the completion of a home energy evaluation performed by a qualifying Low-Income, 501c3 organization or a Community Action Agency (CAA). The rebates are determined on the basis of the first-year dollar value of the conserved natural gas as reflected by the Company's most recently acknowledged avoided cost of natural gas.

The OLIEC program provides incentives for ceiling, floor, wall and duct insulation; duct sealing; infiltration system upgrades (weather stripping and caulking); high efficiency furnace installations; furnace turn-up and filter replacement; and high-efficiency water heaters. Rebates are also available for new low income residential construction and custom energy efficiency measures on an individual basis with preference for measures that would qualify for rebate in similar projects offered through the Energy Trust.

In addition to the OLIEC rebates, agencies receive an additional $225 for administrative and direct program costs incurred by them.

CAT operates alongside of, and in conjunction, with the OLIEC Program. The CAT

[9] CAP is a decoupling mechanism.

program bridges the gap between the portion of weatherization funding available through OLIEC (the avoided cost of natural gas) and the full cost of work performed for qualified measures. The funds are available to Agencies on a first-come, first-serve basis for the purpose of providing total installed costs for weatherization measures approved under Schedule No. 33, Oregon Low Income Energy Conservation (OLIEC) program. The CAT also provides each agency with a flat fee of $550 for an audit and $300 for an inspection fee. The Total Installed Costs reimbursed under CAT for a single dwelling may not exceed $10,000. Total Installed Costs are defined as all costs incurred for materials and contractor labor necessary to perform tariff-eligible natural gas weatherization work at a qualified customer premise.

The Company began piloting CAT on January 1, 2014, with a termination date of December 31, 2015. The initial CAT pilot was funded using $400,000 of unspent OLIEC dollars. In order to continue studying CAT's ability to increase OLIEC's reach to low income customers, the Company filed Advice No. O15-11-02 at which time it asked to extend the CAT pilot term to December 31, 2017, which the Commission approved at its December 15, 2015 public meeting. In 2016, Cascade filed to revise its public purpose charge so collections for the CAT program would be $400,000 over twelve months. On Staff's recommendation, the Commission approved a $200,000 increase in collections for CAT. Since this amount did not prove sufficient, the Company filed an application for deferred funding on March 15, 2016, which was docketed as UM 1765. Cascade provided program information, and engaged in collaborative brainstorming with Staff to support a viable pathway forward following this unresolved docket.

As a result of the UM 1765 conversations, Staff recommended collecting no more than 0.625% of gross revenues for its low-income weatherization programs. This amount is a close equivalent to electric utilities' collections for low income weatherization plus a .025% premium for the higher costs of serving rural areas. This methodology, 0.625% of gross revenues, gave Cascade a combined 2017 OLIEC and CAT budget of $361,627. It was at this time that Cascade simultaneously filed Advice No. O16-10-02 which established CAT as a permanent program, added performance parameters, and addressed Staff's questions.

Over the life of the OLIEC program, from 2006 through 2016, 570 homes have been weatherized saving an estimated annual total of 86,700 therms. Resulting payments to our partner CAP agencies have totaled $1,488,804 for weatherization measures with payments for agency administration totaling $128,025; CAT program delivery of $125,510; and CNGC admin in the amount of $84,313.

Based on actual program achievements since the beginning of the OLIEC program, and subsequent successes resulting from the CAT, the Company projects approximately 50 homes will be served each year if funds are maintained around the $361,627 level by Staff, and the Agencies are able to maintain an average per-home cost of $6,800. It is important to note that based on pilot

activities, it is likely the Agencies would be able to serve around 100 homes each year, if funded at full capacity.

## Load Management Programs

The Company also manages load by offering interruptible service, Schedule 177 in Oregon and Schedule 577 in Washington. Customers receiving interruptible service are subject to service curtailment orders during peak usage events. During curtailment events, interruptible customers reduce their consumption, thus reducing the system peak demand. Service for interruptible customers is curtailed during extreme events. The Company does not plan for interruptions or decrement its load forecast for curtailment events.

## Environmental Policy and Legislation

Cascade Natural Gas evaluates the impact of a range of externalities, including $CO_2$ emissions prices, cost adders, and supply costs. The Company also examines other influences with potential impacts to the delivery of cost-effective DSM efforts such as code changes, cost-effectiveness exemptions, and changes in avoided cost and valuation methodologies.

Currently, several regulatory and legislative developments have potential impacts on the demand-side management portion of the IRP. To the best extent possible, these potential impacts have been incorporated into the Oregon DSM projections.

Since the last planning cycle, Cascade has monitored the following legislation, campaigns, and other external actions with the potential to influence natural gas use, and DSM projections, in the States of Washington and Oregon:

**National**

- National Standard Practice Manual
  The National Efficiency Screening Project, and E4TheFuture have developed the first National Standard Practice Manual (NSPM). This document which expands upon the California Standard Practice Manual and creates a new pathway for evaluating the cost-effectiveness of utility-run conservation activities.

  The manual has its roots in the traditional tests used to assess cost-effectiveness such as the Total Resource Cost (TRC) and Utility Cost Test (UCT), but introduces the Resource Value Test (RVT), a methodology that allows regulators to select the core costs and benefits they wish to assess when determining the cost-effectiveness of utility-run conservation efforts.

  If adapted by the OPUC, this methodology could have significant impacts on overall availability of cost-effective conservation measures offered to Cascade Natural Gas customers. For example, if Oregon regulators decided to include Public Health Impacts or Participant Impacts, this would potentially alter the cost-benefit ratios of measures within the DSM programs operated for the Company. Furthermore, if recommendations regarding discount rates and portfolio-level valuation were followed, the amount of cost-effective conservation could potentially increase, and thus raise the Company's overall DSM achievements.

- Clean Power Plan
  The federal Clean Power Plan (CPP), requiring existing fossil fuel-fired electric generating facilities to reduce carbon dioxide emissions, is being reevaluated by the EPA. The EPA is reviewing the CPP for consistency with the Executive Order issued on Promoting Energy Independence and Economic Growth and, if appropriate, the EPA will publish for notice and comment proposed rules to suspend, revise or rescind the CPP. The DC Circuit Court has ordered the Clean Power Plan litigation to be placed in abeyance as the EPA reevaluates the rule.

- EPA Report on Hydraulic Fracturing for Oil and Gas
  In 2016, the EPA issued a report on hydraulic fracturing for oil and gas. Anticipated environmental impacts were documented, but were overall inconclusive. There were gaps in the data represented, and estimates contained a high degree of uncertainty. Cascade has determined that there are no immediate impacts of fracking that need to be addressed at this time.

**Oregon**

- Cap and Invest
  The Oregon State Legislature continues to consider a cap and invest-style approach to carbon regulation that would be similar to SB 1070, introduced during the 2017 Regular Session. Although the bill was not approved at that time, stakeholders are working in earnest to develop a revised version of this bill. Clean energy jobs work groups are being held from September through November 2017 with the goal of creating a revised bill with a high likelihood of passing through the legislature.

- Bend Climate Action Resolution
  On September 7, 2016, the Bend City Council passed a Climate Action Resolution. The document is primarily aspirational but identifies a pathway for carbon reductions in the region. The resolution establishes climate action goals consistent with the international goal of limiting the global average temperature increase to less than two degrees Celsius above pre-industrial levels. To achieve this goal, the City intends to be guided and directed by Climate Action Plans; establish partnerships with local governments and other interested entities; and take a phased approach to achieving long-term solutions.

  The City aspires to reduce its carbon dioxide emissions in its own facilities and operations to achieve carbon neutrality by 2030. It seeks to purchase verifiable carbon offsets from Central Oregon and the Pacific Northwest. Its goal is to reduce its fossil fuel use by 40% by 2030, and by 70% by 2050. Fossil fuel use from 2010, or more recent years, will be used to establish a baseline.

  In addition, the City seeks to reduce the emissions of all businesses, governmental, and non-governmental organizations by 40% by 2030, and by 70% by 2050.

  At this time, it is the Company's understanding that the resolution has been adopted, but not yet implemented.

- Renewable Energy Goals
  Portland has developed a 100% renewable goal. The city proposes to go 100% renewable energy by 2035, and 100% economy wide by 2050. Renewable energy includes energy derived from wind, solar, existing and low-impact hydro, geothermal, biogas, and wave technology sources. Similar goals are also under consideration in Hillsboro, Milwaukie, and Beaverton, Oregon. While each of these communities is outside of Cascade's service area, it is important to keep apprised of such targets in the event that they are adapted in areas served by the Company.

- Gas to Electric Fuel-Switching
  The Cities of Ashland and Eugene have adopted energy action plans to help reduce carbon emissions. As a result of the Ashland Climate and Energy Action Plan, and the Community Climate and Energy Action Plan in Eugene, the Ashland Municipal Electric Utility and Eugene Water and Electric Board are reversing course on the value of the direct use of natural gas for space and water heating, and are considering potential fuel switching from natural gas to electric heat pump technology. Ashland and Eugene plan to begin with the use of renewables for electric generation before aggressively pursuing switching to low carbon and non-carbon fuels.

- HB3711 Moratorium on Hydraulic Fracturing for Oil and Gas Exploration and Production
  HB 2711 would prohibit hydraulic fracking in Oregon with a moratorium that would be in effect until December 31, 2026. Exceptions would have been made to drilling for natural gas storage wells, geothermal wells and geothermal energy, and coal bed methane extraction wells. This passed through the House, but not through the Senate.

**Washington**

- Carbon Tax
  Several carbon tax bills have recently circulated in the state of Washington including SB 5127, HB 1646, SB 5385, CP-17, SB 5930, S-2861.1, H-2822.1. These included carbon tax schedules ranging from a starting cost of $15/ton to $25/ton and increasing upwards over time. Cascade is monitoring these bills, and other actions closely, as they would impact the cost of the natural gas to customers. There is also current movement by several environmental stakeholders to put a price on carbon, petroleum, natural gas, electricity, and stationary sources in Washington.

- Deep Decarbonization
  Governor Inslee's office released a study in consideration of deep decarbonization, or emissions reductions required to curb a global temperature increase below two degrees Celsius. The study envisions replacing the entire natural-gas pipeline infrastructure with biomethane, synthetic natural gas, and hydrogen.

- Clean Air Rule
  Cascade continues to evaluate options for compliance with the Clean Air Rule.

# SECTION 7

# RESOURCE INTEGRATION

## Overview

Resource integration is the last step in Cascade's IRP process. It involves finding the least cost mix of demand and supply side resources given the forecasted load requirements of the core customers. The tool used to accomplish this task is a computer optimization model known as SENDOUT®.

SENDOUT® is very powerful and complex. It operates by combining a series of existing and potential demand side and supply side resources, and optimizing their utilization at the lowest net present cost over the entire planning period for a given demand forecast. SENDOUT® permits the Company to develop and analyze a variety of resource portfolios quickly, to determine the type, size, and timing of resources best matched to forecast requirements.

**Key Points**

- Cascade utilizes SENDOUT® to find the optimal solve for forecasted resource deficiencies, as well as alternative portfolios.
- Once a solution is found under expected conditions, the candidate portfolio is stress-tested through stochastic and deterministic scenarios using Value at Risk (VaR) analysis.
- The optimal portfolio includes a combination of incremental trans-portation on GTN and NWP.
- Without incremental resources, Cascade's first material deficiency occurs in 2020.
- With incremental resources, all forecasted deficiencies are eliminated, at costs that are within Cascade's VaR limit.

## Supply Resource Optimization Process

- **Step 1: As-Is Analysis**
  - Cascade began its optimization process by running a deterministic analysis of its existing resources with a three-day peak event. This allowed the Company to uncover the timing and quantity of resource deficiencies. Once the resource need was identified, Cascade utilized its market intelligence to identify all potential options to solve for the projected shortfall.

- **Step 2: Introduce Additional Resources**
  - Once shortfalls were identified, Cascade utilized SENDOUT® to derive a diverse selection of potential portfolios to eliminate the deficiency. This was done through a deterministic analysis of the alternative resources. For the 2018 IRP, Cascade tested six potential portfolios. Table 7-1 groups these portfolios by the source of each resource.

**Table 7-1: Breakdown of Scenarios Modeled**

| | GTN | No GTN |
|---|---|---|
| NWP | • ALL-IN | • NWP Only<br>• NWP Only w/ Storage |
| No NWP | • GTN Only<br>• GTN Only w/ Storage | • Only Storage |

- **Step 3: Stochastic Analysis of All Portfolios Under Existing Conditions**
  - Once Cascade selected its portfolios, each one was tested stochastically. Each portfolio was run through a 200 draw Monte Carlo weather simulation under normal weather, growth, and pricing. The Company recorded the total system cost and unserved demand of each draw, as these are the metrics used to rank the portfolios.

- **Step 4: Ranking of Portfolios**
  - Cascade took the unserved demand and total system cost of all draws in each portfolio and calculated the mean and Value at Risk (VaR) of the portfolios. For its modeling purposes, the Company defines VaR as the 95$^{th}$ percentile of unserved demand and total system cost. This is considered a reasonable worst-case scenario for risk analysis. Cascade ranked its portfolios by first giving preference to any portfolio that fully solved for unserved demand in both stochastic and deterministic analysis. After that, portfolios were ranked based on mean total system cost, while penalizing any portfolio with an excess VaR. Cascade believes the top ranked portfolio is the one with the best combination of cost and risk for Cascade and its customers. This is now called the Candidate Portfolio until it has passed a rigorous scenario and sensitivity analysis.

- **Step 5: Stochastic Scenarios of Candidate Portfolio**
  - Cascade created eight different scenarios to stochastically test its candidate portfolio. These scenarios, which are detailed in table 7-2, measure how the portfolio performed in high and low growth environments, as well as various restrictions related to storage availability. In each scenario, the portfolio was run through a 200 draw Monte Carlo weather simulation and the total system cost of each draw was recorded.
  - 

- **Step 6: Scenario Analysis of Candidate Portfolio**
  - Cascade took total system cost of all draws and calculated its mean and VaR of each scenario. Each VaR was compared to the Company's VaR limit, which was set by Cascade's Gas Supply Oversight Committee (GSOC) and was equal to 1.25 times the mean total system cost of the portfolio under expected conditions[1]. If the VaR in any scenario exceeded this limit, that portfolio was rejected and the next highest ranked portfolio became the new Candidate Portfolio for scenario analysis. If the VaR of all scenarios did not exceed this limit, the portfolio passed scenario testing and moved to sensitivity testing.

- **Step 7: Sensitivity Testing of Candidate Portfolio**
  - Cascade created nine difference pricing environments to stochastically test its candidate portfolio. These sensitivities, which are detailed in Table 7-2, measure how the portfolio performed in high and low price situations, as well as with a range of adders related to carbon legislature. In each sensitivity, the portfolio was run through a 200 draw Monte Carlo NYMEX price simulation, and the total system cost of each draw was recorded.

- **Step 8: Sensitivity Analysis of Candidate Portfolio**
  - Cascade took total system cost of all draws and calculated the mean and VaR in each sensitivity. Each VaR was compared to the Company's VaR limit, which is set by GSOC and was equal to 1.25 times the mean total system cost of the portfolio under expected conditions. If the VaR in any sensitivity exceeded this limit, that portfolio was rejected and the next highest ranked portfolio became the new Candidate Portfolio for scenario analysis. If the VaR of all sensitivities did not exceed this limit, the portfolio passed scenario testing and could be confirmed as Cascade's Preferred Portfolio. Figure 7-1 displays this process as a flow chart.

[1] By Corporate Policy, Cascade does not engage in speculation and therefore considers VaR limits conservatively. Similar to the development of a stop-loss limit, Cascade looked at the prevailing market bid price (i.e. the highest price for which parties are willing to buy the commodity at a given point in time), compared to the lowest bid price over the approved buying period. Consistent with PGA guidelines under UM-1286, Cascade used 60-day NYMEX pricing. At the time GSOC approved the 2017 portfolio was approved (based on a three-year design), running high bid running NYMEX was $3.568. The low bid price was $2.682, resulting in VaR tolerance of 1.2483184, which was rounded to 1.25 for modeling purposes. Cascade will be implementing more robust risk management strategies in 2018. Cascade expects VaR limit determination to be a discussion item during the Company's next IRP public process.

**Figure 7-1: Preferred Portfolio Selection Flow Chart**

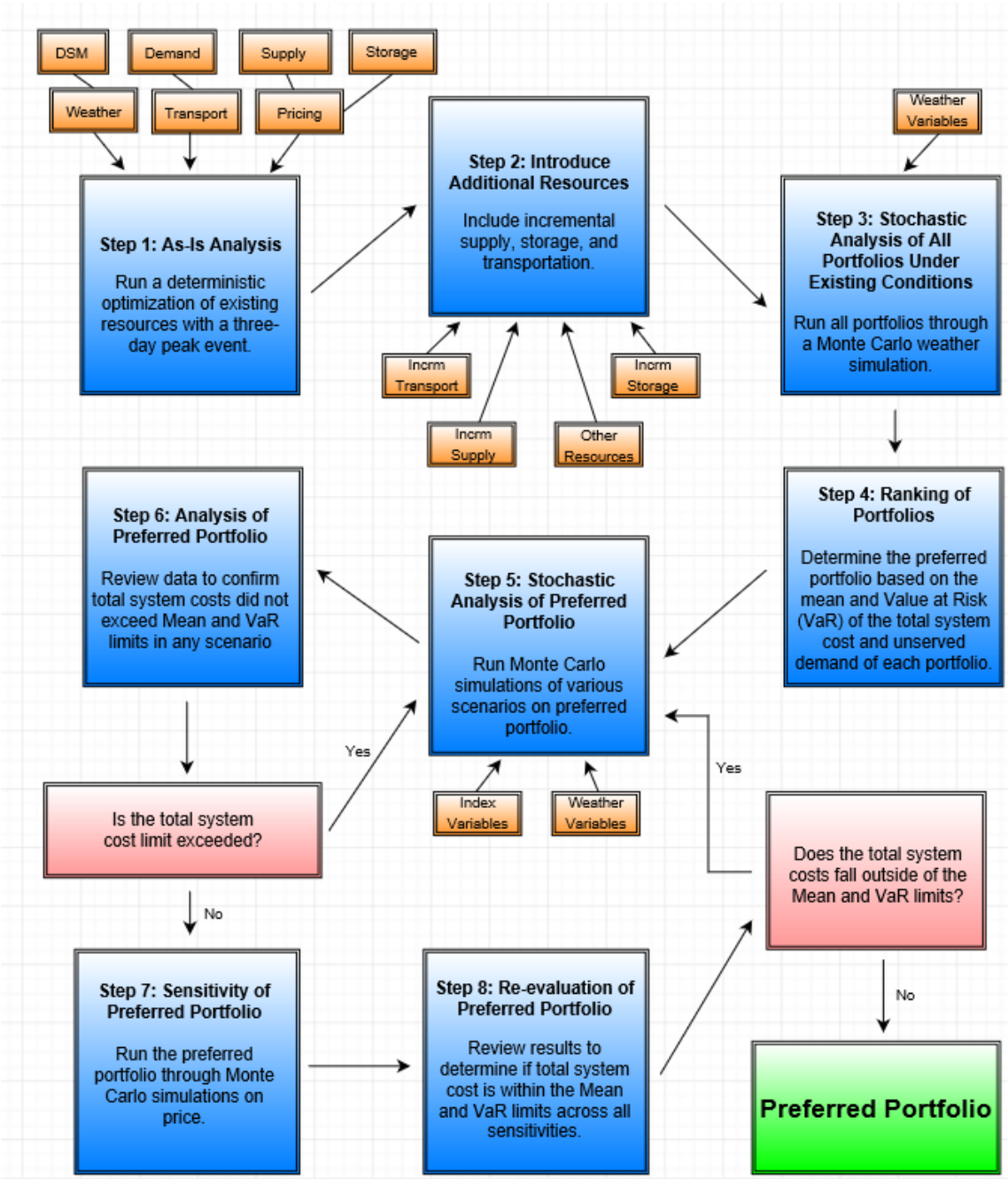


**Table 7-2: Breakdown of Scenarios & Sensitivities Modeled**

| Scenarios and Sensitivities | | Assumptions | | | | |
|---|---|---|---|---|---|---|
| | | Growth | Weather | Price | Constraints | First Year Unserved |
| All-In | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | None | 2026 |
| As-Is | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only models current resources | 2020 |
| GTN Only | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only GTN resources available | 2018 |
| GTN Only w/ Storage | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only GTN resources and all storage available | 2018 |
| NWP | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only NWP resources available | 2020 |
| NWP w/ Storage | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only NWP resources and all storage available | 2020 |
| Storage Only | | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only storage resources available | 2020 |
| Price | High | Medium Load Growth | Average Weather with Peak Event | High Gas Price Environment | None | 2027 |
| | Base | Medium Load Growth | Average Weather with Peak Event | Expected Gas Price Environment | None | 2027 |
| | Low | Medium Load Growth | Average Weather with Peak Event | Low Gas Price Environment | None | 2027 |
| Carbon Adder | 0.1 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with 10% Adder for Unknown Regulatory Impacts | None | 2027 |
| | 0.2 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with 20% Adder for Unknown Regulatory Impacts | None | 2027 |
| | 0.3 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with 30% Adder for Unknown Regulatory Impacts | None | 2025 |
| Per Ton | 10 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with $10 per ton Carbon Tax | None | 2027 |
| | 20 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with $20 per ton Carbon Tax | None | 2025 |
| | 30 | Medium Load Growth | Average Weather with Peak Event | Medium Gas Price Environment with $30 per ton Carbon Tax | None | 2025 |
| Limit Storage | Limit JP | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only 25% of JP storage available | 2027 |
| | Limit Ply | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only 25% of Plymouth storage available | 2037 |
| | Limit Both | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | Only 25% of both JP and Plymouth available | 2025 |
| No Storage | No JP | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | No JP storage available | 2027 |
| | No Ply | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | No Plymouth storage available | 2027 |
| | No JP and No Ply | Medium Load Growth | Average Weather with Peak Event | Medium Pricing Environment | No storage available | 2018 |
| Growth | Low Growth | Low Load Growth | Average Weather with Peak Event | Medium Pricing Environment | None | 2035 |
| | High Growth | High Load Growth | Average Weather with Peak Event | Medium Pricing Environment | None | 2024 |

While Section 11 includes a full Glossary, terms related to Table 7-2 are shown below for convenience.

**Glossary of Terms Used in Table 7-2**

**Average Weather with Peak Event**. The weather pattern was modeled using historical weather data in each of Cascade's climate zones for the past 30 years. In addition, a design peak day was inserted on December 21st of each year to allow for conservative forecasting to model the coldest day in Cascade's system over the past 30 years.

**Low Load Growth**. Low growth scenarios were created by examining the low end of the 95% confidence intervals of Cascade's demand forecast, as mentioned on page 3-8.

**Medium Load Growth**. Cascade applied the expected growth rates gathered from Woods & Poole, as mentioned on page 3-8 for the expected growth scenario.

**High Load Growth**. High growth scenarios were created by examining the high end of the 95% confidence intervals of Cascade's demand forecast, as mentioned on page 3-8.

**Low Gas Price Environment**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecasts from a number of sources over the 20-year planning horizon. Prices were then reduced by 6% at all markets (i.e., NYMEX, Sumas, Rockies, AECO) to simulate a low pricing environment over the 20-year period.

**Medium Gas Price Environment**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecasts from a number of consultants over the 20-year planning horizon.

**High Gas Price Environment**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecast of a number of sources over the 20-year planning horizon. Prices were then increased by 5% at all markets to simulate a high pricing environment over the 20-year period.

**Average Price with 10% Adder**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecasts from a number of sources over the 20-year planning horizon. Prices were then increased by 10% at all markets to simulate the impact of unforeseen environmental conditions.

**Average Price with 20% Adder**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecast of a number of sources over the 20-year planning horizon. Prices were then increased by 20% at all markets to simulate the impact of unforeseen environmental conditions.

**Average Price with 30% Adder**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecast of a number of sources over the 20-year planning horizon. Prices were then increased by 30% at all markets to simulate the impact of unforeseen environmental conditions.

**Average Price with $10/Ton Tax**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecasts from a number of sources over the 20-year planning horizon. Prices were then increased by a $10/metric ton carbon tax at all markets to simulate the impact of potential carbon legislature.

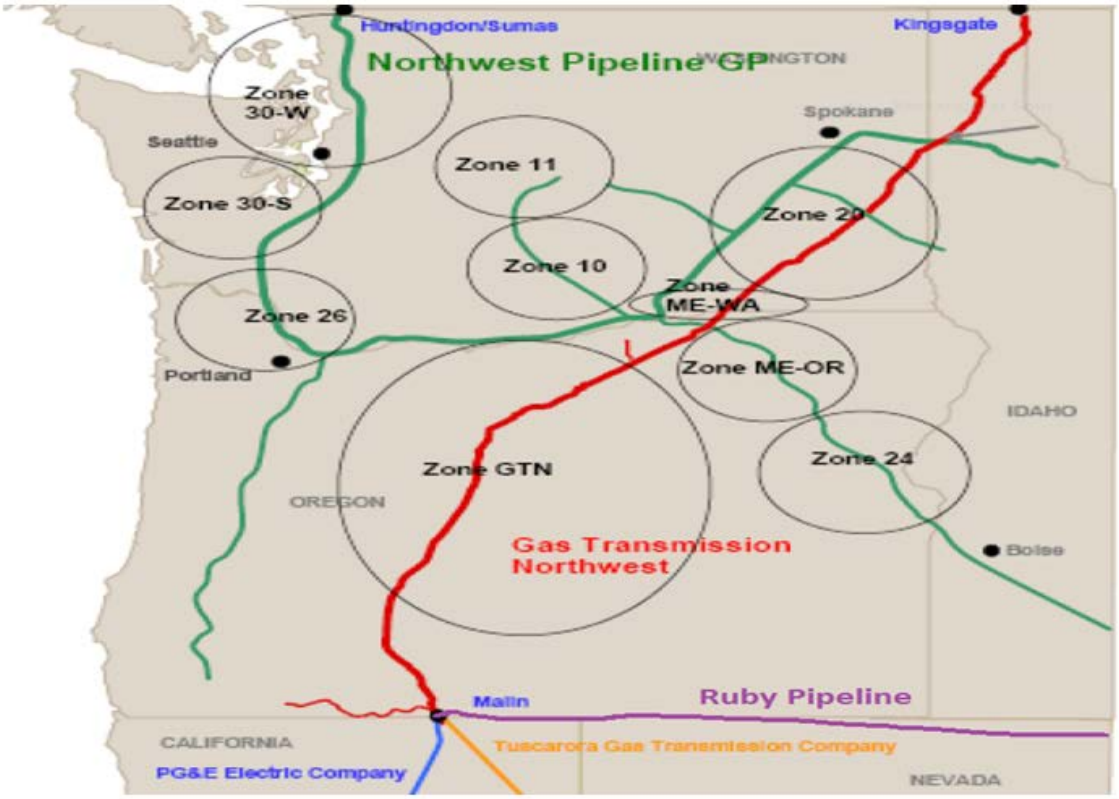
**Average Price with $20/Ton Tax**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecast of a number of sources over the 20-year planning horizon. Prices were then increased by a $20/metric ton carbon tax at all markets to simulate the impact of potential carbon legislature.

**Average Price with $30/Ton Tax**. Price was modeled using Cascade's price forecast, which was derived by weighting the forecast of a number of sources over the 20-year planning horizon. Prices were then increased by the cost of a $30/metric ton carbon tax at all markets to simulate the impact of potential carbon legislature.

## Planning and Modeling

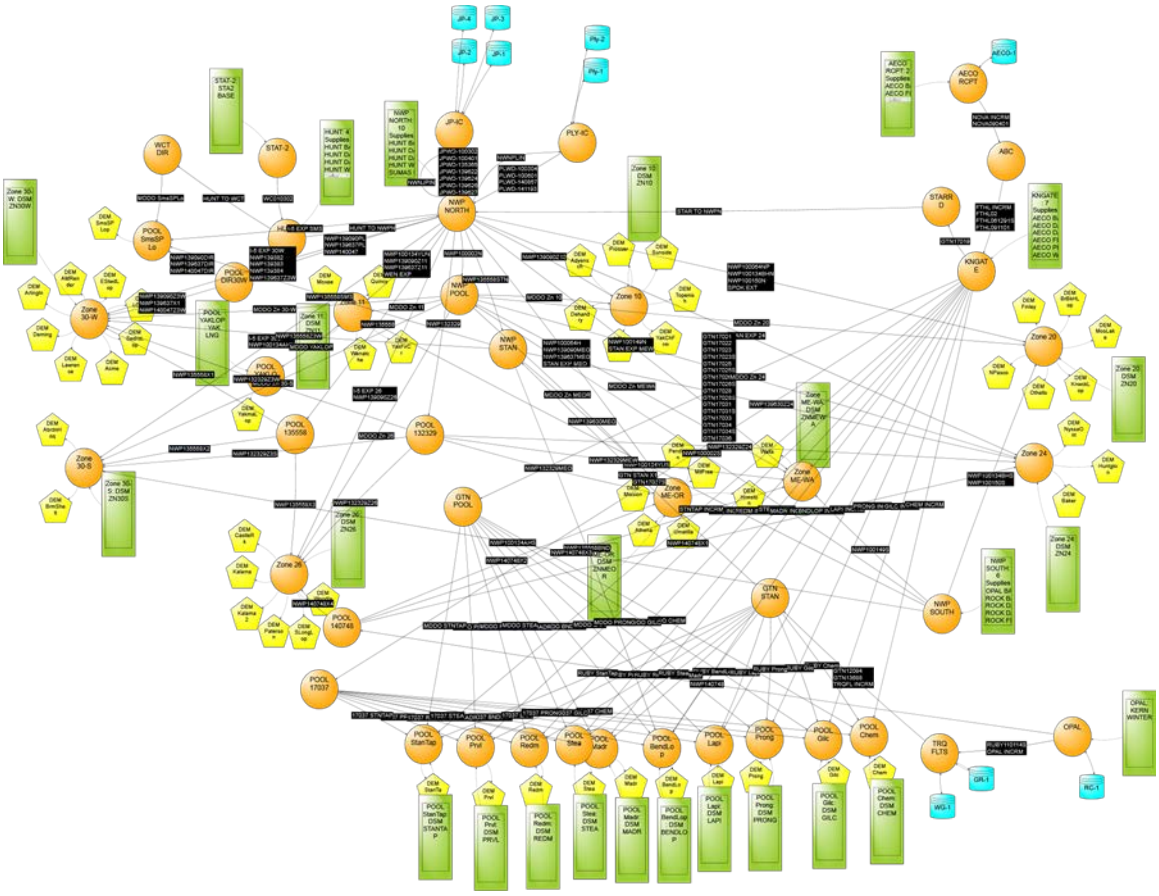
SENDOUT® has broad capabilities that allow the Company to develop supply and demand relationships that closely mirror Cascade's existing operations. Beginning with the 2008 IRP, Cascade expanded its modeling from the district level to modeling the system grouped by the various pipeline zones. Figure 7-2 shows the location of these pipeline zones. These pipeline zones reflect Cascade's customers being served from either Northwest Pipeline LLC (NWP) or Gas Transmission Northwest (GTN) interstate pipeline facilities.

**Figure 7-2: Pipeline Zones Used in this IRP**




With the in-house load forecast model (LFM) application, which is discussed in detail in Section 3, Demand Forecast modeling dives into an even more granular level. This IRP takes more of a citygate view, which allows Cascade to take a deeper view of capacity shortfalls and potential constraints. A copy of the network diagram is shown in Figure 7-3. The network diagram is provided for illustrative purposes to emphasize the difficulties in configuring the model to best replicate Cascade's complex system rather than being provided for its readability. (An expanded view of this graphic is available upon request.)

**Figure 7-3: SENDOUT® Network Diagram of Cascade's System**



## Tools Used

Because SENDOUT® utilizes a linear programming approach, its results are considered deterministic. For example, the model calculates the exact load and price for every day of the planning period based on inputs and can, therefore, minimize costs in a way that, by definition, would not likely occur in a highly dynamic operating environment. Therefore, it is important to acknowledge that linear programming analysis provides helpful but not perfect information to guide decisions.

Since decisions are made in the context of uncertainty about the future, Cascade uses SENDOUT® functionality that facilitates the ability to model gas price and load uncertainty (driven by weather) into the future. SENDOUT® utilizes a Monte Carlo approach in combination with the linear programming approach in SENDOUT®. The Monte Carlo modeling capability provides supplemental information to decision-makers under conditions of uncertainty. This tool continues to enhance the robustness of the Company's long-term resource planning and acquisition activities.

## Resource Optimization Output and Analysis Reports

After the model run is performed and SENDOUT® selects the optimal set of resources from the available portfolio, output reports are generated. SENDOUT® provides an assortment of Input and Output reports that it can generate, provided they are selected prior to the optimization run. SENDOUT® offers dozens of separate input reports that summarize various items such as demand inputs, the resulting forecast, temperature patterns as well as supply, storage, and transportation resource inputs. These reports verify that the information supplied to SENDOUT® is being accurately interpreted by the model.

The results of the optimization process are provided in the dozens of output summary reports. These reports summarize various aspects of the optimal portfolio resource size and selection as well as cost and utilization over the planning period. For purposes of this discussion, certain key output reports will be summarized below.

## Key Output Report - Cost and Flow Summary

The Cost and Flow Summary Report consolidates a number of very informative aspects of the optimization run. The report provides a breakdown of portfolio costs on a yearly basis, unit cost detail, as well as a total planning period basis, in several different formats. For example, an aggregate portfolio cost total is provided for comparison between years, as well as between various optimization runs, if the analyst is attempting to compare the impact that one or more resources can have on the portfolio. This total portfolio cost figure is also broken down into supply, storage and transportation cost summaries on both a yearly and planning period basis.

The report also contains the Resource Mix summary. This summarizes SENDOUT® decisions regarding the sizing and optimal mix of incremental resources, which determines whether one or many different types of resources should be considered for inclusion in the total resource portfolio.

## Key Output Report - Month to Month Summary

While the Cost and Flow summary provides an indication of individual resource utilization, the Month to Month summary allows greater examination of how SENDOUT® utilizes each resource. The user can determine if the particular type of resources presented to SENDOUT® are being utilized as envisioned or whether other types of resources would more closely match requirements. For example, as has been done by Cascade, the analyst may offer annual supply contracts to SENDOUT® to address load growth over the planning period. The analyst can examine this report to determine if SENDOUT® uses these supplies throughout the year or only occasionally. If SENDOUT® utilizes this resource on a short-term basis during the

winter, the analyst can introduce seasonal resources to SENDOUT® to determine whether it would choose them over the annual supplies already available in the portfolio.

SENDOUT® also presents monthly information in other specific reports. For example, the supply information provided in this Month to Month report is also available in greater detail in the Supply Summary Report. The same is true with the Transportation Summary Report and the Storage Summary Report. SENDOUT® also offers monthly supply utilization information in a Load Factor Summary Report, which some analysts may prefer to use in their approach to analyzing the SENDOUT® results.

**Key Output Report - Supply vs. Requirements**

The Supply vs. Requirements report compares a particular forecast's monthly demand requirement quantity against the optimal portfolio's various supply quantities. This shows supply utilization as well as determines whether the supply portfolio quantities are sufficient to meet demand. If an insufficiency exists, the report isolates the shortfall by month as well as the location of the Company's demand requirement. With this information, the Daily Unserved Demand reports determine if a pattern exists with respect to the shortfall. For example, if the daily report indicates that the shortfall occurs on the peak day the analyst could turn to the Peak Day Reports to determine if the shortfall is supply or transportation related. If the shortfall occurs on a number of days surrounding the peak or at other times during the year, the analyst can turn to the Daily Supply Take and Daily Transport Flow reports to determine whether the portfolio is constrained by supply availability or transport capacity on those particular days.

**Key Output Reports - Custom Report Writer**

Ultimately, the availability and interpretation of information gained through SENDOUT® output reports contribute to developing better resource portfolios. SENDOUT® output report(s) contains vast amounts of information, which may overwhelm the casual observer. Therefore, SENDOUT® offers the user a Custom Report Writer (or Report Agent) module, which can isolate certain information contained in the various output reports and improve the analysis activity. Report Agent provides the user a menu of report information sources from which to choose specific items. The user has the option of viewing or downloading the information into spreadsheets or databases. Provided the information is available, the analyst can readily access specific items, which simplifies the data acquisition process if further analysis is desired. While the report writer is a useful tool in this regard, not all SENDOUT® output information can be accessed through this module.

**Key Inputs**

Individual transportation segments, storage, supply and demand side resources, both existing and potential, are targeted to demand segments representing the citygates connected to the system and the various classes of core customers behind those gates. This level of precision allows SENDOUT® to consider each resource on an individual basis within the portfolio while also recognizing where physical system limitations exist. Resource characteristics such as a supply contract's daily delivery capability, minimum take requirements, maximum daily transport capability by individual segment, storage inventory limitations and withdrawal, and injection curve characteristics are part of each resource's basic model inputs. The ability to model resources in this fashion allows SENDOUT® to tailor the optimization within envisioned constraints and ensures that the model's optimal solution can work under anticipated operating conditions.

The optimization process compares a portfolio of resources against a specific demand requirement. SENDOUT® generates a daily demand forecast by combining base load and temperature sensitive usage factor inputs with a specified daily temperature pattern input. For IRP purposes usage factor inputs were specifically developed under high, medium, or low demand profiles culled from Cascade's in-house load forecast model. Daily temperature patterns are available as either design or average weather. Due to the complexity of the SENDOUT® application, the model has some combined demand areas compared to the load forecast model. Therefore, both usage factor and temperature pattern inputs from the LFM may be slightly adjusted within SENDOUT® on an area specific basis without creating any material difference in the load demand.

In SENDOUT®, each supply contract requires a Maximum Daily Quantity (MDQ) input to establish its specific delivery capabilities. Review of the daily, annual, monthly, or seasonal minimum utilization of the contract is required. Maximum take quantities can also be established on either an annual, monthly, or seasonal basis. The Commodity Rate input can reflect either a known price, in the case of a fixed cost contract, or index prices, if the user has established a representative index as a separate input item. Several fixed and variable cost rate inputs are also available for establishing separate contract cost items, if necessary. Most of the gas supply options discussed above are also available as transportation inputs.

Penalty Rates on an annual, seasonal, monthly or daily basis are needed if either minimum or maximum utilization requirements are required or desired. The penalty rate can be any amount desired or a specific amount if known. The intent of the penalty option is to direct SENDOUT® to adhere to whatever minimum or maximum characteristic is specified.

Resource Mix is one of the more powerful and highly desirable input tools available in the model. By toggling on Resource Mix and providing an MDQ maximum and

minimum, the user directs SENDOUT® to appraise the supply contract, on a total cost basis, against all other supply resources available within the portfolio. Under Resource Mix, SENDOUT® will determine whether the resource is desirable within the portfolio and at what MDQ size, within the MDQ Maximum and Minimum, the resource should be made available within the portfolio. This aspect of SENDOUT® is crucial to the evaluation of potential resources, as the Company conducts its resource planning, appraisal, and acquisition activities.

In addition to most of the items discussed above, storage resources have additional input considerations. Instead of Daily MDQ inputs, the analyst establishes inventory maximums and/or minimums. If monthly inventory levels are to change over the years or within a year, SENDOUT® allows the analyst to establish that target. Injection and withdrawal capability, as well as the period within the year that each is available, are also input decisions.

A unique feature of SENDOUT® storage input is the Storage Volume - Dependent Deliverability or SVDD Tables. This input item allows the user to tailor injection and withdrawal rates as either a line or step function based upon whether the facility has varying operating pressure constraints as the injection or withdrawal activity is conducted. The analyst can also establish whether inventory exists at the beginning of the planning period, and whether various prices and specific quantities exist at that time. SENDOUT® provides the analyst with five separate volume and price levels to reflect existing inventories.

Finally, SENDOUT® allows for input of a penalty rate for unserved demand. Cascade uses this functionality to give SENDOUT® a way to prioritize which rate tariff to serve when demand is higher than then resources available to serve that demand. These penalties are always higher than the cost of any incremental resources, as SENDOUT® should always elect to purchase these resources versus leaving demand unserved. Residential customers are always assigned the highest penalty. This tells SENDOUT® to prioritize serving these customers above all others. Commercial customers have the next highest penalty, followed by Commercial/Industrial customers, and finally Industrial customers. It is important to note the customers on an interruptible tariff do not have a penalty assigned to leaving their demand unserved. This allows SENDOUT® the flexibility to serve the demand of these customers when possible, while making sure not to purchase additional resources if they will only be used to serve interruptible demand.

## Decision Making Tool

Analysis of optimization model results and other operational and contractual constraints allows Cascade to make more informed resource decisions. The IRP optimization model output and Monte Carlo simulation analysis provide the quantifiable output from numerous model inputs. The model does not prescribe the

ultimate resource portfolio. It can only calculate the least cost set of resources given their specific pricing and quantifiable constraint characteristics. However, many other resource combinations may be available over the planning horizon. Therefore, Cascade must include subjective risk judgments about unquantifiable and intangible issues related to resource selections. These include future flexibility, supplier deliverability risk, pipeline(s) risk, financial risk to the utility and its customers, operational constraints, regulatory risk, etc. The risk judgments are combined with the quantitative IRP analysis to form the actual resource decisions.

## Resource Integration

The following subsections summarize the analysis of the preceding sections bringing together the demand forecast, existing supply and demand side resources and potential alternative resources to develop the 20-year, most reasonably priced portfolio.

### Demand Forecast

As explained in Section 3, Demand Forecast, load growth across Cascade's system through 2037 is expected to fluctuate between 1.50% and 1.65% annually after smoothing the leap year anomaly. Load growth is split between residential, commercial, and industrial customers. Residential and commercial customer classes are expected to grow at a rate near 1.4-1.6% annually, while industrial expects a growth rate of around 1.9. Load across Cascade's two-state service territory is expected to increase 34.6% over the planning horizon, with the Oregon portion outpacing Washington at 41.6% versus 32.2%.

### Long-Term Price Forecast

In Section 4, Supply Side Resources, Cascade discusses how the 20-year price forecast is based on a blend of current market pricing along with long-term fundamental price forecasts. Since pricing on the market is heavily influenced by Henry Hub prices, the Company closely monitors this market trend. The fundamental forecasts of Wood Mackenzie, the Energy Information Administration (EIA), the NPCC, and trading partners are resources for the development of Cascade's blended long-range price forecast. Since the Company's physical supply-receiving areas (Sumas, AECO, and Rockies) are at a discount to Henry Hub, the Company utilizes the basis differential from Wood Mackenzie's most recently available update and compares that to the future markets' basis trading as reported in the public market.

Natural gas prices have fluctuated dramatically over the course of the last ten years. Figure 7-4 shows the history of regional and Henry Hub prices over the past ten years. The Great Recession, the shale boom, environmental concerns around carbon, conservation efforts, and improvements in renewable energy have led to a market with prices as low as they have been in recent history.

Figure 7-5 shows the comparison of ranges of pricing for the planning horizon, including the expected scenario low, medium and high price.

**Figure 7-4: Historical Regional Pricing for Past Ten Years**

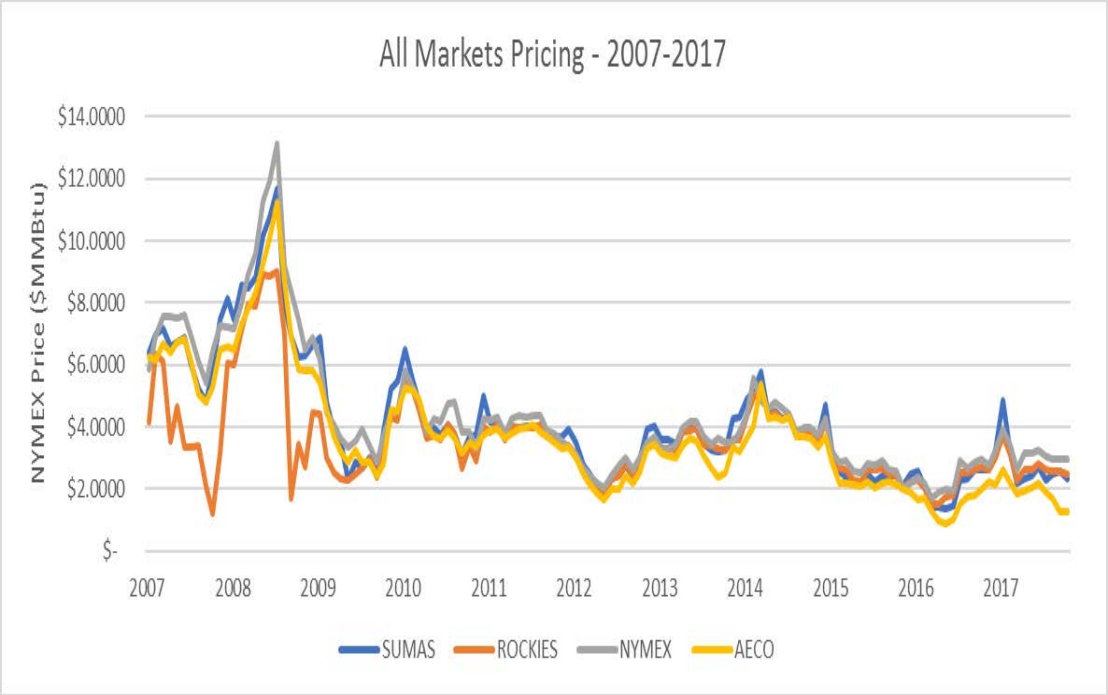
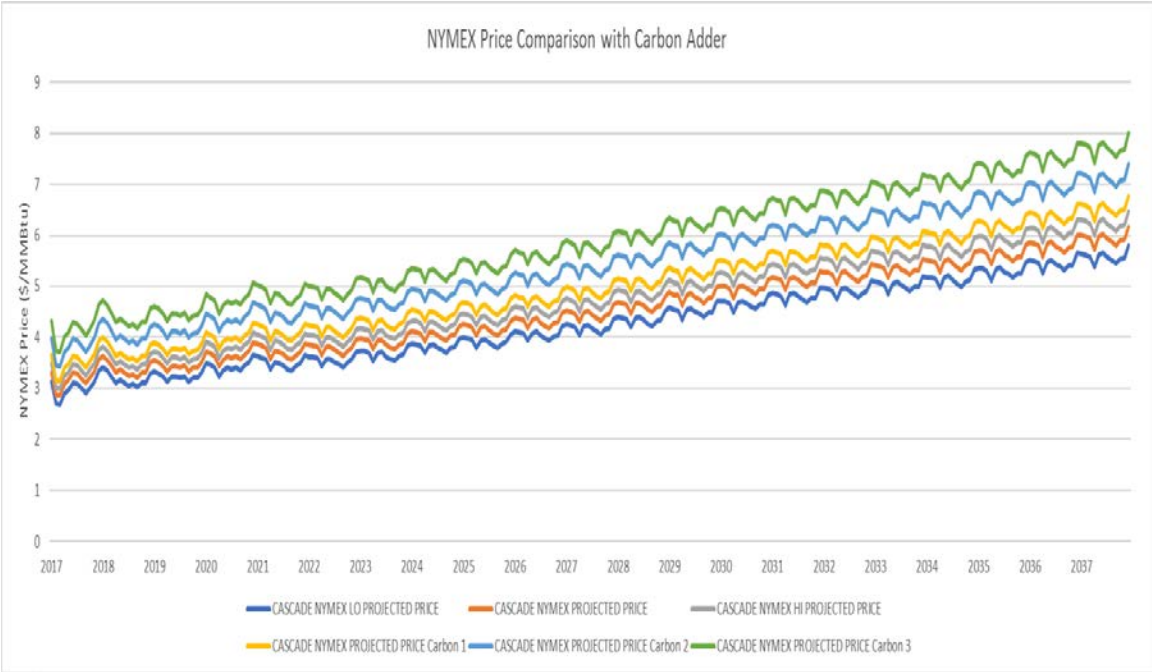


**Figure 7-5: NYMEX Annual Price Comparison**



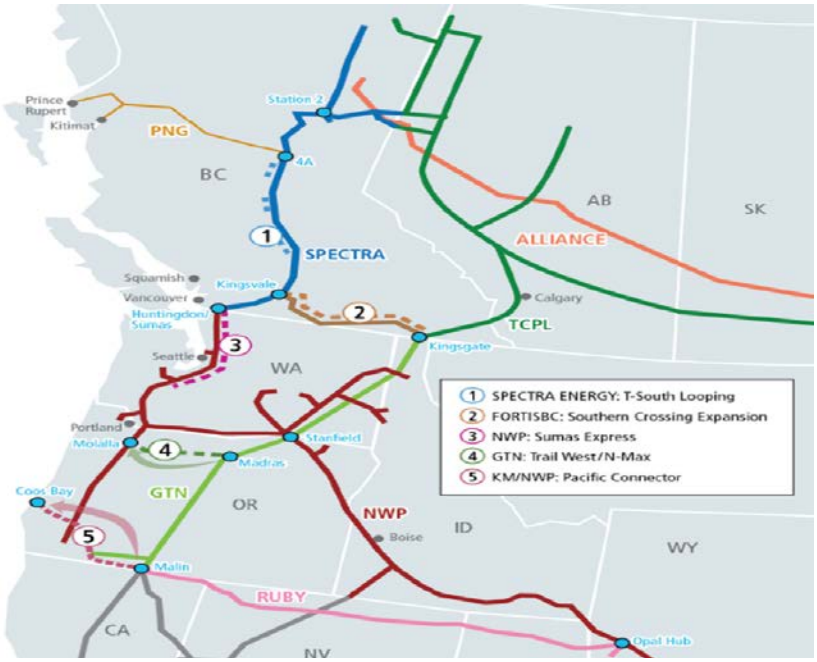
## Environmental Adder

As discussed in Section 6, DSM and Environmental Policy, Cascade included a 10% environmental adder in its 2018 IRP's expected scenario 20-year price forecast.

## Transportation/Storage

Section 4, Supply Side Resources, describes the range of current upstream pipeline transportation capacity and storage services under contract to serve core customers. Additionally, the Company identified several proposed transportation resources, as seen in Figure 7-6, such as a potential expansion of NWP along the I-5 corridor and acquiring currently unsubscribed GTN capacity that can be used to meet customer growth and address potential capacity shortfalls. The Company also continues to work with NWP to look at re-aligning Cascade's contracted demand rights (Maximum Daily Delivery Obligations, or MDDOs) to citygates with potential peak day capacity shortfalls. The Company also works to use segmenting pipeline capacity as a way to maximize the utilization of Cascade's capacity. These resources plus leasing incremental storage at a number of regional facilities were all considered as a resource mix of possibilities to form the Company's 20-year integrated resource portfolio.

**Figure 7-6: Alternative Transportation Resources[2]**




[2] NWGA Proposed Projects, July 2017

Section 6, DSM and Environmental Policy, describes the methodology used to identify conservation potential and the interactive process that utilizes avoided cost thresholds for determining the cost effectiveness of conservation measures on an equivalent basis with supply side resources. For the 2018 IRP the system avoided costs ranges between $0.4349/therm and $1.0393/therm over the 20-year planning horizon. Through the cost-effective use of conservation programs, the Company is able to reduce the load demand that must be met by more costly supply resources, such as a pipeline capacity expansion.

## Results

After incorporating these inputs into the SENDOUT® model, Cascade analyzed the demand compared to the existing resources as well as the demand against all the available resources. This served as the foundation for the Company to see what resources are taken to meet system demand with the least cost mix of natural gas supply and conservation. The Company then ran the optimization again removing the resources SENDOUT® did not select from the All-In portfolio. This allowed Cascade to confirm that removing these resources does not impact the amount of served demand. Additionally, this step removes fixed costs associated with the resources not taken so Cascade can arrive at a true total system cost. Table 7-3 provides a snapshot of the potential peak day unserved demand across Cascade's system prior to applying any realignment of delivery rights, transportation contract segmentation or other alternative resources. Table 7-4 displays the same information as Table 7-3, but for Oregon citygates only.

**Table 7-3: Load Centers with Potential Peak Day Unserved Demand in Dekatherms– As Is Scenario**

| Area | 2018 | 2020 | 2025 | 2030 | 2035 | 2037 |
|---|---|---|---|---|---|---|
| Zone 30-S | - | - | 1,663 | 4,450 | 7,647 | 8,996 |
| Zone 30-W | - | - | 4,042 | 11,869 | 20,502 | 24,166 |
| Bend Loop | - | 1,504 | 8,488 | 15,835 | 23,266 | 26,262 |
| **Total** | **-** | **1,504** | **14,193** | **32,154** | **51,415** | **59,424** |

**Table 7-4: Oregon Load Centers with Potential Peak Day Unserved Demand in Dekatherms – As Is Scenario**

| Area | 2018 | 2020 | 2025 | 2030 | 2035 | 2037 |
|---|---|---|---|---|---|---|
| Bend Loop | - | 1,504 | 8,488 | 15,835 | 23,266 | 26,262 |
| **Total** | **-** | **1,504** | **8,488** | **15,835** | **23,266** | **26,262** |

Because Cascade has more delivery rights than receipt rights, the Company must allocate the delivery rights to match up with receipt capability. First, the Company allocates capacity on transportation contracts that have a single receipt point. Next,

Cascade allocates capacity on conjunctive contracts that provide corridor and delivery point flexibility (re-allocation of MDDOs). The Company also gives consideration to critical delivery areas, constrained laterals and maximizing corridor flexibility—longest haul contractual rights.

## Analysis of Unserved Demand

By many accounts, the Pacific Northwest will experience significant growth over the 20-year planning horizon. Cascade will need to acquire additional resources to solve for the deficiency caused by this growth. Of note, growth at one of the Company's citygates may cause unexpected shortfalls at other, seemingly unrelated citygates. For example, Cascade's Bremerton-Shelton citygate serves a significant number of residential customers. If that area were to experience rapid growth, existing resources for customers on an interruptible tariff, in Yakima for example, may be realigned to Bremerton-Shelton to serve this increased demand using a transportation contract with a broadly defined receipt point. This would make it appear as though Yakima had experienced the rapid growth, since that is where the shortfall would be appearing, even though this would not be the case in this hypothetical example. Page 3-9 goes into further detail regarding some of the major growth drivers.

## Portfolios Evaluated

For the 2018 IRP, Cascade has elected to evaluate six potential portfolios. These portfolios represent a wide variety of potential solutions for Cascade's resource deficiency, with an evaluation of all available resources in the pacific northwest for natural gas. Unlike electric utilities, who have a variety of options for power generation (hydro, wind, solar, etc.), Cascade is limited to a single resource, natural gas, which hinders the scope of potential portfolio analysis. The Company selected these six portfolios after discussions with various stakeholders throughout its technical advisory group process. In future IRPs, Cascade will consider evaluating additional portfolios.

Table 7-5 outlines the key components of each portfolio identified in Table 7-1. SENDOUT® deterministically selects the optimal quantity of each resource based on its Resource Mix functionality. These quantities are then tested stochastically, and ranked in order of unserved demand and total system cost.

**Table 7-5: Resource Composition of All Evaluated Portfolios**

| | All In | Incremental GTN | Incremental GTN & Storage | Incremental NWP | Incremental NWP & Storage | Storage Only |
|---|---|---|---|---|---|---|
| Incremental NGTL | X | X | X | | | |
| Incremental Foothills | X | X | X | | | |
| Incremental GTN N/S | X | X | X | | | |
| I-5 Expansion | X | | | X | X | |
| Wenatchee Lateral | | | | | | |
| Spokane Expansion | | | | X | X | |
| Eastern OR Expansion | | | | | | |
| Incremental Opal | | | | | | |
| Incremental Ruby | | | | | | |
| Incremental GTN S/N | | | | | | |
| T-South Southern Crossing | | | | | | |
| Trails West (Palomar) | | | | | | |
| Pacific Connector | | | | | | |
| Ryckman Creek Storage | | | X | | X | X |
| Magnum Storage | | | | | | |
| AECO Hub Storage | | | | | | |
| Clay Basin Storage | | | | | | |
| Gill Ranch Storage | | | | | | |
| Mist Storage | | | | | | |
| Wild Goose Storage | | | | | | |
| Incremental Opal Supply | | | | | | |
| Renewable Natural Gas | | | | | | |

## Alternative Resources Selected

The SENDOUT® model selected the following resources for the candidate 20-year portfolio. These resources and the quantities and timing that the resources are needed by are summarized in Table 7-6.

**Table 7-6: Projected Cumulative Incremental Transport Needed – in Dekatherms**

| Resource | 2018 | 2028 | 2037 |
|---|---|---|---|
| I-5 Expansion | - | 11,926 | 33,162 |
| Incremental Nova | - | - | 36,246 |
| Incremental Foothills | - | - | 25,908 |
| Incremental GTN | - | 12,836 | 26,262 |
| **Total** | **-** | **24,762** | **121,578** |

**Transport**

- Incremental GTN – Allows Cascade to continue to serve customers as the Company's core load grows in citygates that are fed by GTN capacity, specifically around Bend, Oregon, where the Company expects shortfalls. 12,836 dths/day by 2028, escalating to 26,262 dths/day by 2037.
- I-5 Expansion – Allows Cascade to continue to serve customers as the Company's core load grows around the I-5 corridor, specifically in the Sedro-Woolley area. 11,926 dths/day by 2028, escalating to 33,162 dths/day by 2037.
- Incremental NOVA – Provides Cascade with a cost-effective opportunity to move gas from AECO to Kingsgate, versus buying gas at Kingsgate directly. 36,246 dths/day by 2037.
- Incremental Foothills – Provides Cascade with a cost-effective opportunity to move gas from AECO to Kingsgate, versus buying gas at Kingsgate directly. 25,908 dths/day Nov. 2037.

**Alternative Resources Not Selected**

The SENDOUT® model did not select the following resources for the 20-year portfolio:

**Transport**

- Incremental Ruby/Turquoise Flats – SENDOUT® determined it was more cost-effective for the Company to acquire unsubscribed transport from GTN to serve the incremental demand these incremental contracts would otherwise serve.
- Wenatchee Expansion – Cascade's market intelligence determined that it would be more cost-effective to acquire incremental NWP capacity along the I-5 corridor while redirecting existing flexible transportation to central Washington.
- Zone 20 Expansion – Cascade's market intelligence determined that it would be more cost-effective to acquire incremental NWP capacity along the I-5 corridor while redirecting existing flexible transportation to eastern Washington.
- Incremental Starr Road – SENDOUT® determined that with Cascade's current price forecast it did not make sense to purchase incremental capacity to move AECO gas from GTN to NWP.
- Eastern Oregon Expansion – Cascade's market intelligence determined that it would be more cost-effective to acquire incremental NWP capacity

along the I-5 corridor while redirecting existing flexible transportation to eastern Oregon.

- T-South Southern Crossing – SENDOUT® determined that based on Cascade's current price forecast it did not make sense to purchase incremental capacity to move in either direction along the Canadian border.
- Trails West (Palomar) – SENDOUT® determined that with Cascade's current price forecast it did not make sense to purchase incremental capacity to move in either direction across central Oregon.

**Supply**

- Opal Incremental – Since SENDOUT® determined it was best to serve increasing demand through picking up unsubscribed GTN capacity, there was no need to purchase additional gas to move along Ruby.
- Pacific Connector - Cascade's market intelligence determined that at this time, the Pacific Connector would not create a significant enough impact on liquidity at Malin to impact Cascade's modeling.

**Storage**

- Ryckman Creek, Gill Ranch, Wild Goose, AECO Hub – No incremental storage was selected. None of the storage facilities modeled were cost-effective or led to an increase in served demand. The primary reason appears to be that each storage facility modeled required long-term incremental transportation.

## Candidate Portfolio

Using input from the alternative resources selected, SENDOUT® derived a portfolio of existing and incremental resources that Cascade defined as the Candidate Portfolio. This portfolio provides guidance as to what resources should be considered to reduce the unserved demand with the least cost mix of all of the alternatives that the Company has considered. Furthermore, this was derived deterministically assuming average weather with a peak day event, Cascade's average price forecast, and expected growth system-wide. The impact of these resources on both unserved demand and total system cost is shown in Table 7-7, as well as graphically in Figures 7-7 through 7-12.

## Portfolio Evaluation

Table 7-7 summarizes the mean and VaR of the total system cost and unserved demand of the portfolios considered. Given Cascade's obligation to serve its customers, portfolios are first evaluated on unserved demand, and then mean total system cost.

**Table 7-7: Final Ranking of Portfolios – Mean and VaR**

| | Total System Cost | | Unserved Demand | |
|---|---|---|---|---|
| **Portfolios** | **Mean ($000)** | **VaR ($000)** | **Mean (Mdts)** | **VaR (Mdts)** |
| All-In | 3,730,375 | 3,761,824 | 0 | 0 |
| Incrm GTN | 3,605,874 | 3,636,062 | 36.04 | 92.46 |
| Incrm GTN with Storage | 3,607,897 | 3,638,312 | 36.04 | 92.46 |
| Storage Only | 3,741,640 | 3,772,235 | 46.35 | 86.65 |
| Incrm NWP with Storage | 3,763,508 | 3,794,217 | 46.06 | 86.64 |
| Incrm NWP | 3,763,540 | 3,795,170 | 46.06 | 86.55 |

**Figure 7-7: Annual Supply Take vs Demand – Candidate Portfolio**

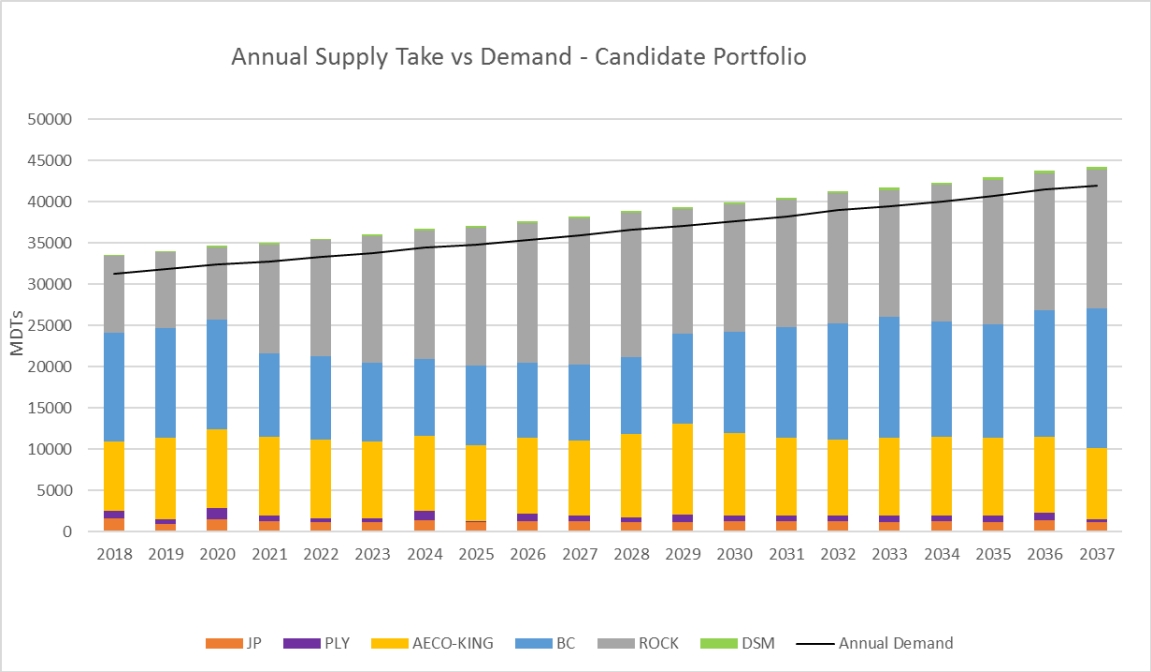


**Figure 7-8: Peak Day Supply Take vs Demand – Candidate Portfolio**

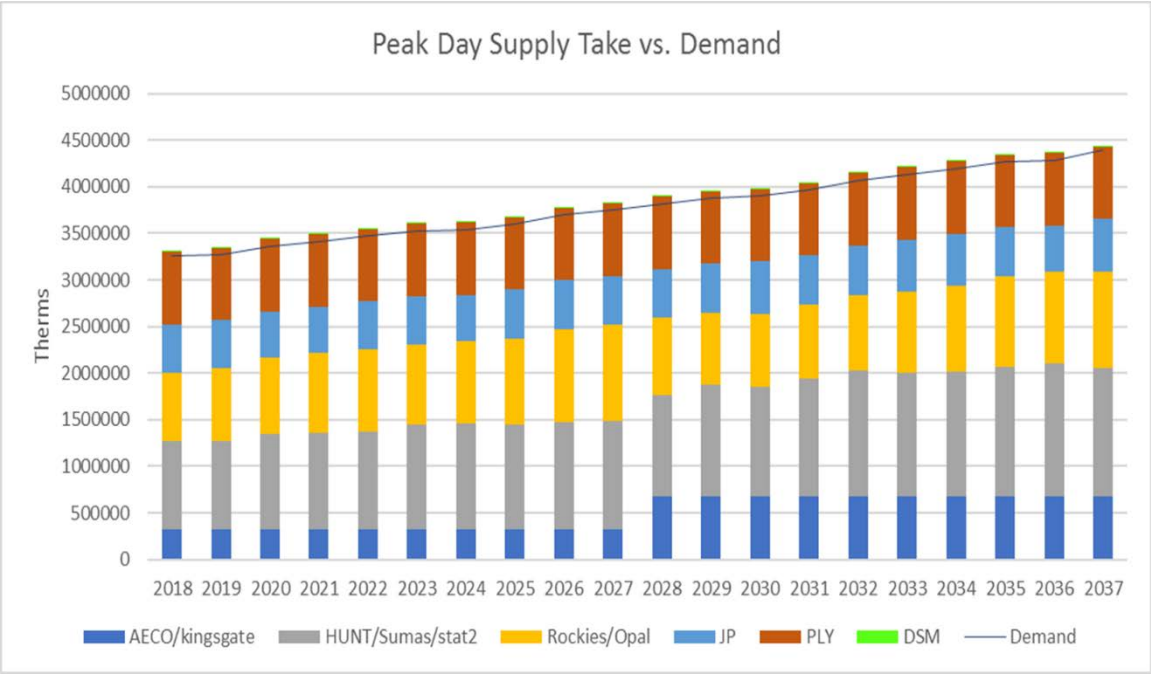



**Figure 7-9: Peak Day Transport vs Demand, Incremental Broken Out – Candidate Portfolio**

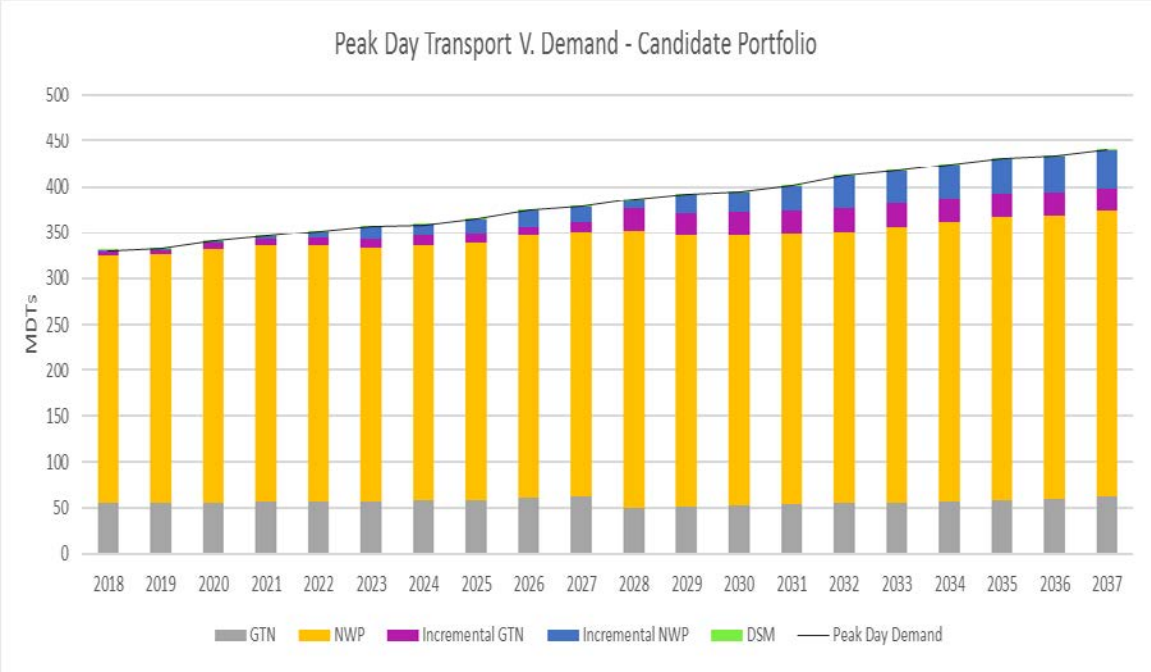


**Figure 7-10: Peak Day Incremental Transportation – Candidate Portfolio**

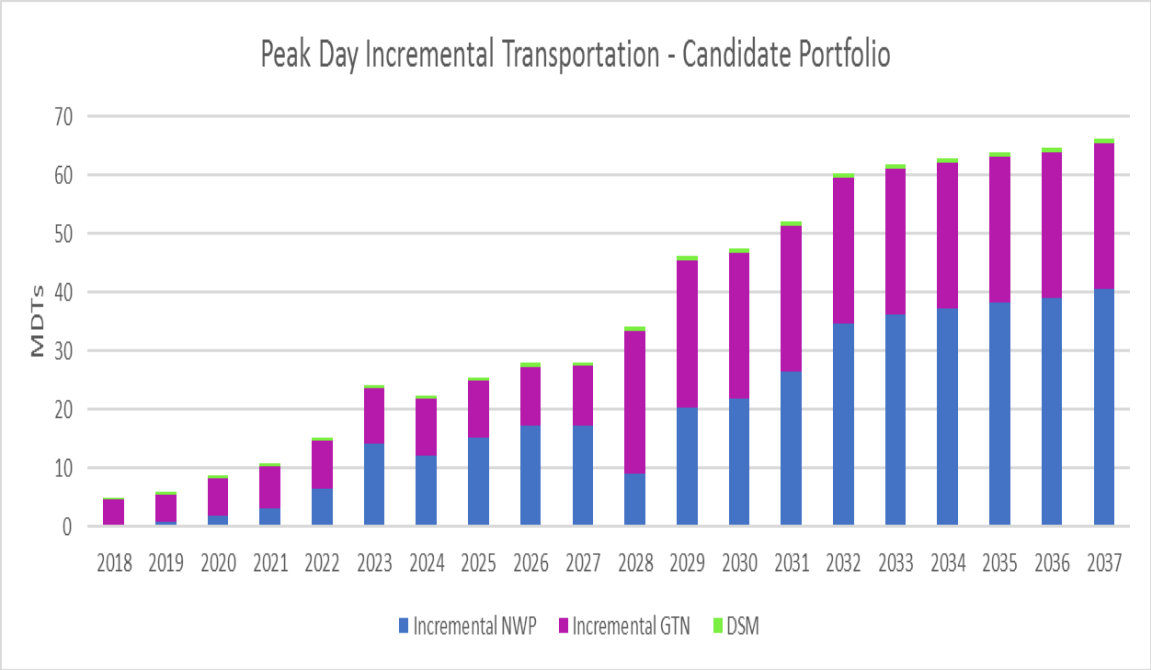



**Figure 7-11: Annual Transport vs Demand – Candidate Portfolio**

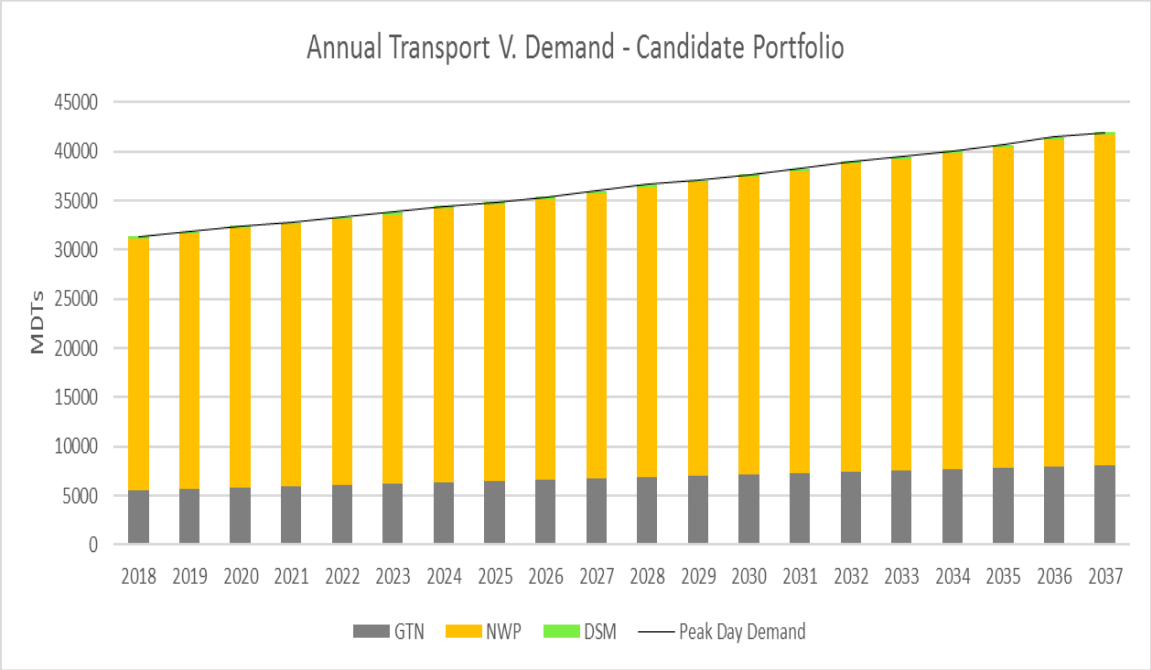
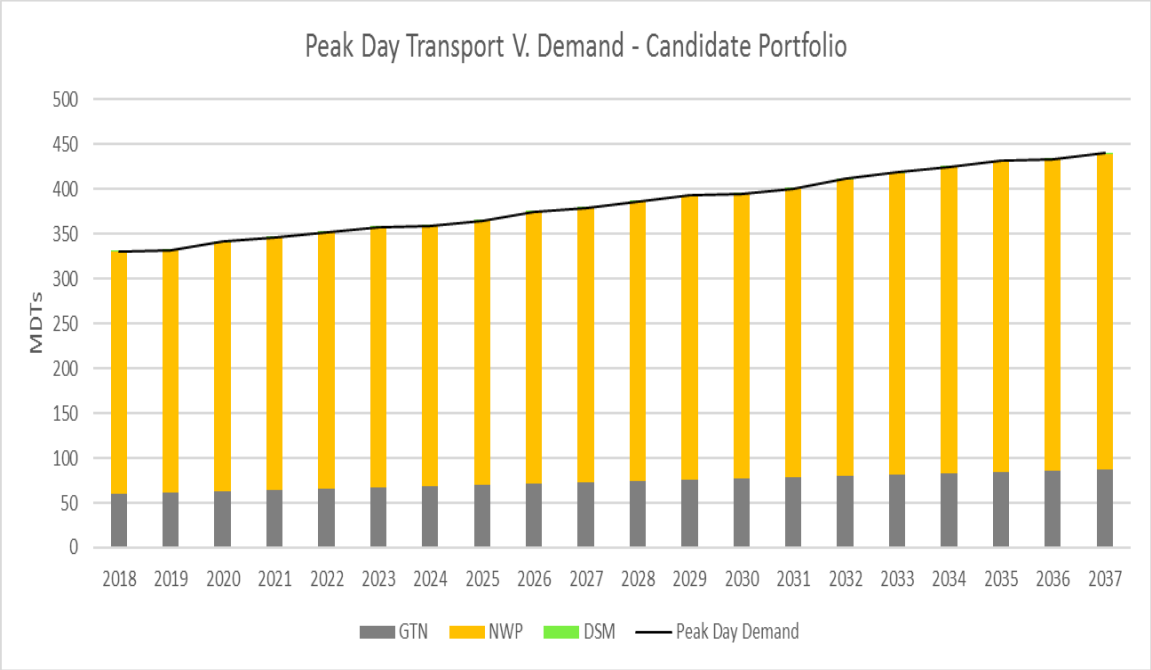


**Figure 7-12: Peak Day Transport vs Demand – Candidate Portfolio**




## Portfolio Evaluation: Additional Scenarios

Table 7-8 summarizes the net present value of the revenue requirement (PVRR) of all additional demand scenarios reviewed. After the Candidate Portfolio was selected, the Company tested it stochastically through a number of extreme situations, which are further explained in Appendix E, Current and Alternative Supply Resources. The results of all scenarios are also shown graphically in Figures 7-13 and 7-14.

**Table 7-8: Total System Cost ($000) and Average Cost/Served Therm of Additional Demand Scenarios**

| Scenarios and Sensitivities | Mean Total System Cost | Cost/Therm Served | VaR Total System Cost | Distance From VaR Limit |
|---|---|---|---|---|
| Low Growth | 3,558,879 | 0.5201344 | 3,586,974 | 1,075,995 |
| All-in Low Price | 3,677,101 | 0.5075281 | 3,706,370 | 956,598 |
| All-in Base Price | 3,730,375 | 0.5153141 | 3,761,824 | 901,145 |
| Limit Ply | 3,735,878 | 0.5155768 | 3,767,042 | 895,927 |
| No Storage - Ply | 3,735,878 | 0.5158650 | 3,767,042 | 895,927 |
| All-in High Price | 3,768,059 | 0.5205797 | 3,799,758 | 863,210 |
| Limit JP | 3,771,225 | 0.5205295 | 3,802,429 | 860,540 |
| 10% Adder | 3,774,250 | 0.5252791 | 3,814,772 | 848,196 |
| Limit Both JP and Ply | 3,781,513 | 0.5251511 | 3,813,037 | 849,932 |
| No Storage - JP | 3,786,551 | 0.5225589 | 3,817,561 | 845,408 |
| No Storage - Both JP and Ply | 3,806,273 | 0.5472874 | 3,843,720 | 819,249 |
| 10$ Per Ton Adder | 3,810,576 | 0.5299892 | 3,847,100 | 815,868 |
| 20% Adder | 3,845,766 | 0.5340682 | 3,880,357 | 782,612 |
| 20$ Per Ton Adder | 3,901,711 | 0.5414488 | 3,933,235 | 729,733 |
| High Growth | 3,904,353 | 0.5101826 | 3,937,995 | 724,974 |
| 30% Adder | 3,907,371 | 0.5419494 | 3,938,963 | 724,006 |
| 30$ Per Ton Adder | 3,978,920 | 0.5513975 | 4,006,628 | 656,341 |

**Figure 7-13: Total System Cost Comparison by Scenarios/Sensitivity**

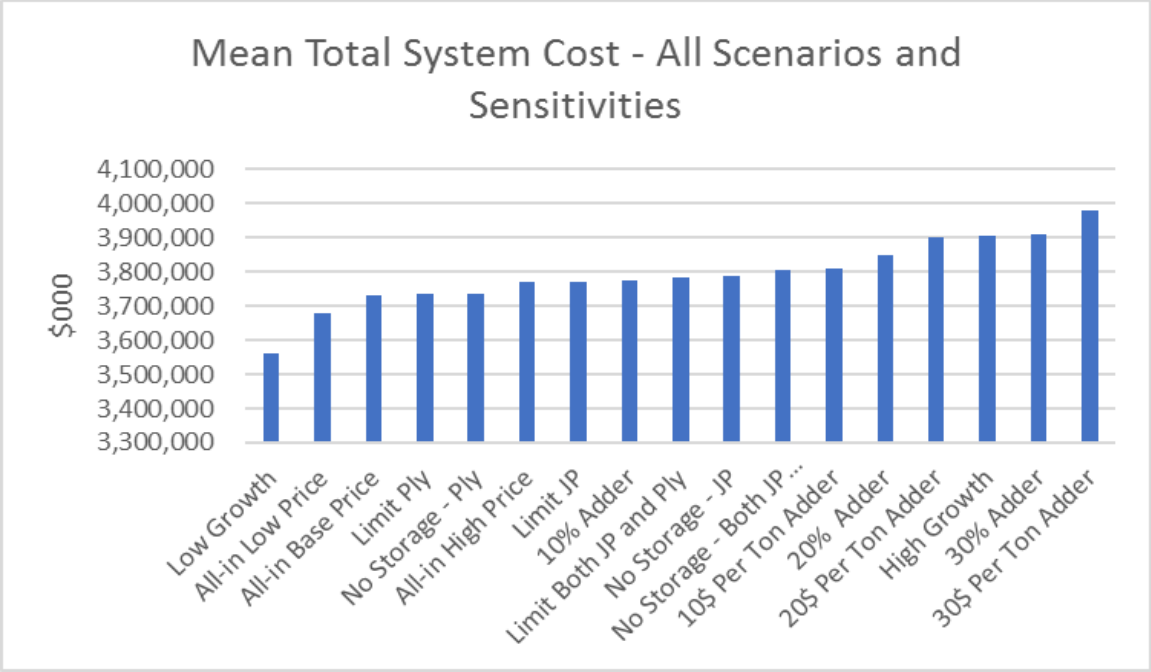
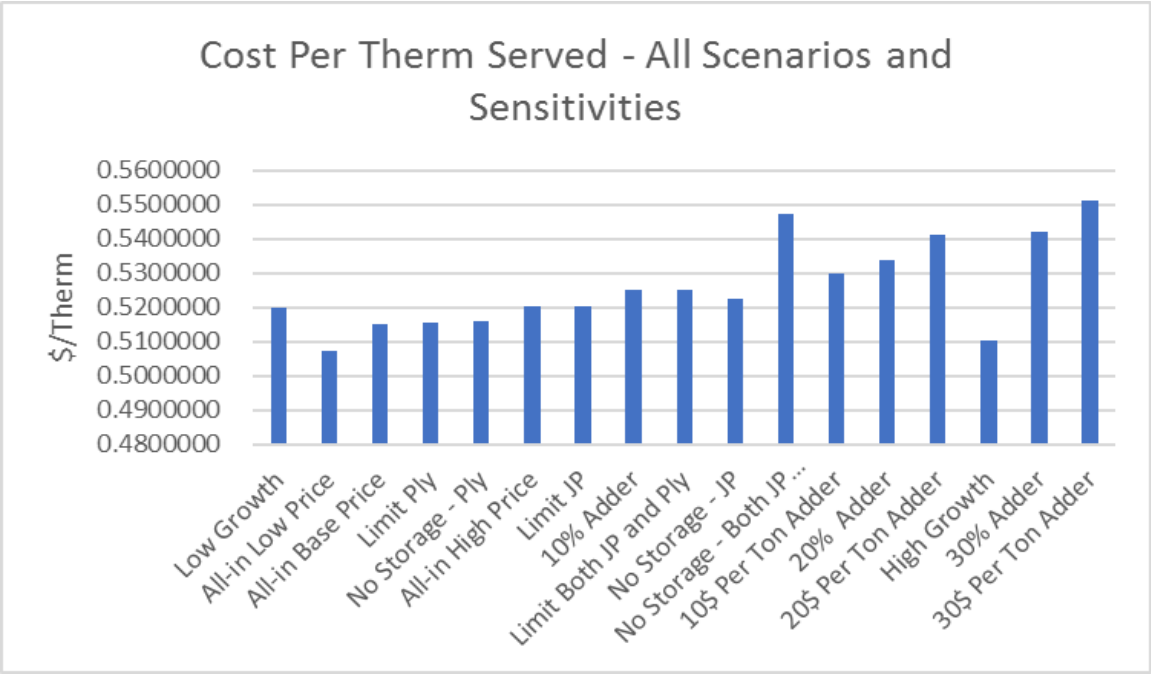


**Figure 7-14: Cost per Therm Served by Scenario/Sensitivity**




## Stochastic Analyses - Annual Load Requirements and Weather Uncertainty

The annual load requirements will vary dramatically based on the weather assumptions. Through the use of the SENDOUT® Monte Carlo functionality, the Company has the ability to analyze the impacts of weather on its load forecast. Figure 7-15 provides the low parameter, which is based on the assumption that the low load growth forecast occurs. Figure 7-16 provides a more in-depth look at the expected, or medium, scenario results. This assumes that growth is at the expected rate, and price follows the expected price forecast. Figure 7-17 provides the high parameter occurring under the high load growth forecast. Capturing the uncertainty around load growth forecasting was accomplished through SENDOUT® Monte Carlo functionality. The Monte Carlo simulation performed 200 draws with each draw calculating the monthly load based on the weather as randomly determined by the model for each of the weather zones. The absolute maximum and absolute minimum amounts depict the minimum or maximum system demand from the 200 draws for a particular year. The absolute maximum/minimum does not represent any single result for the 20-year planning horizon.

**Figure 7-15: Therms Served – Low Growth Monte Carlo Weather Scenarios – Expected Scenario**

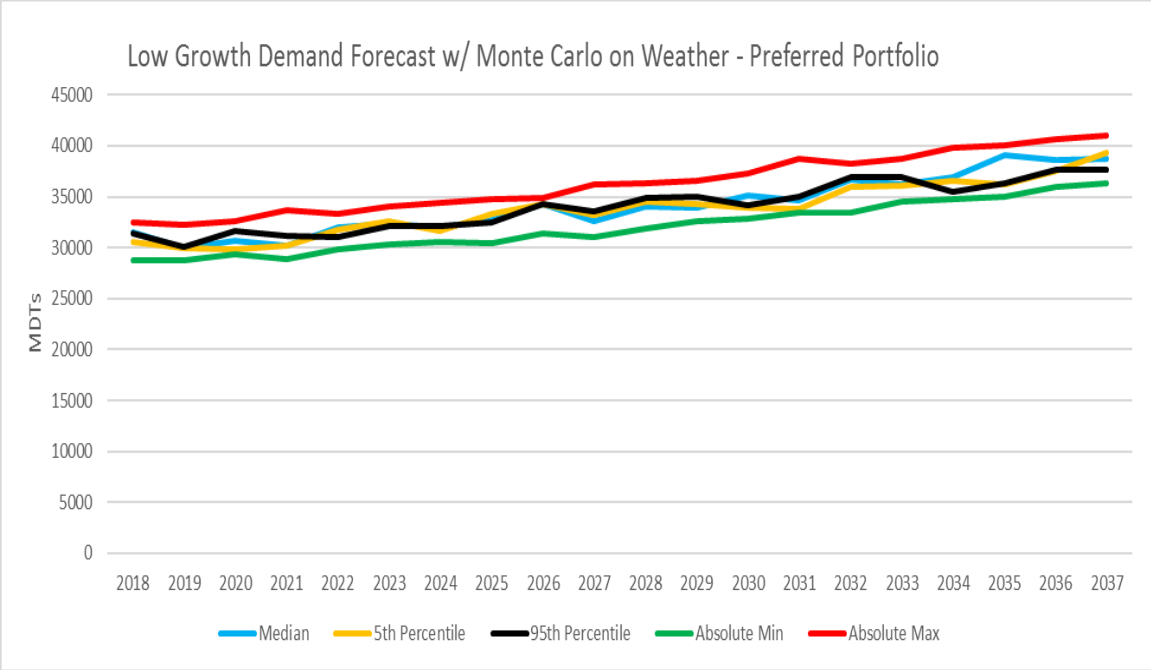



**Figure 7-16: Therms Served – Average Growth Monte Carlo Weather Scenarios – Expected Scenario**

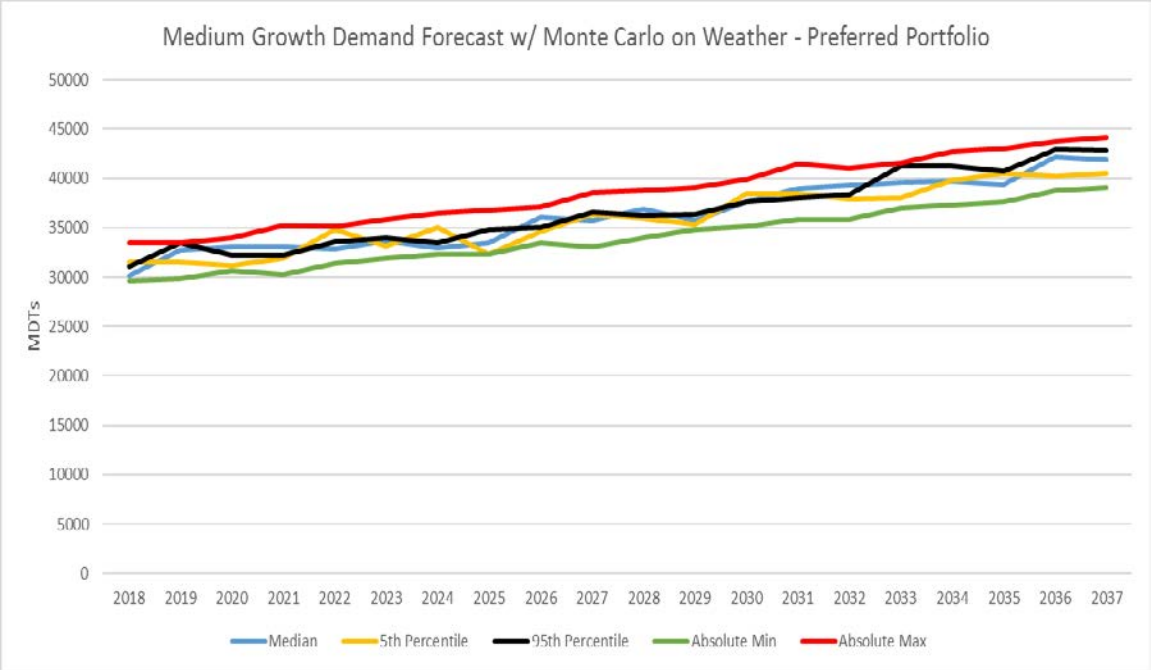
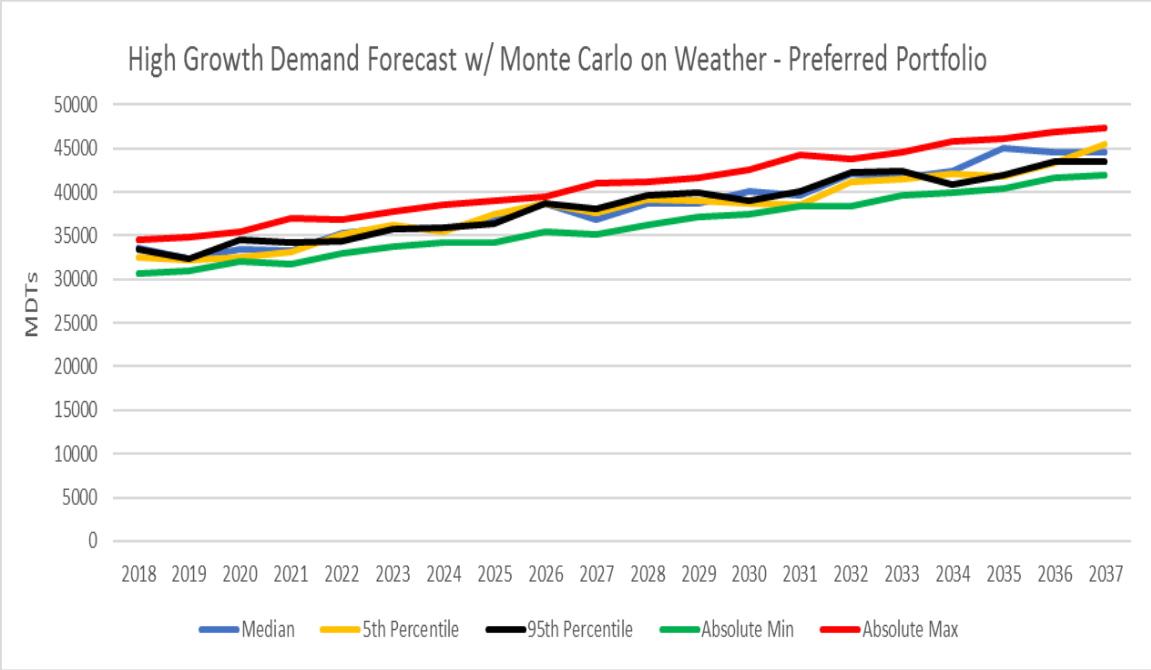


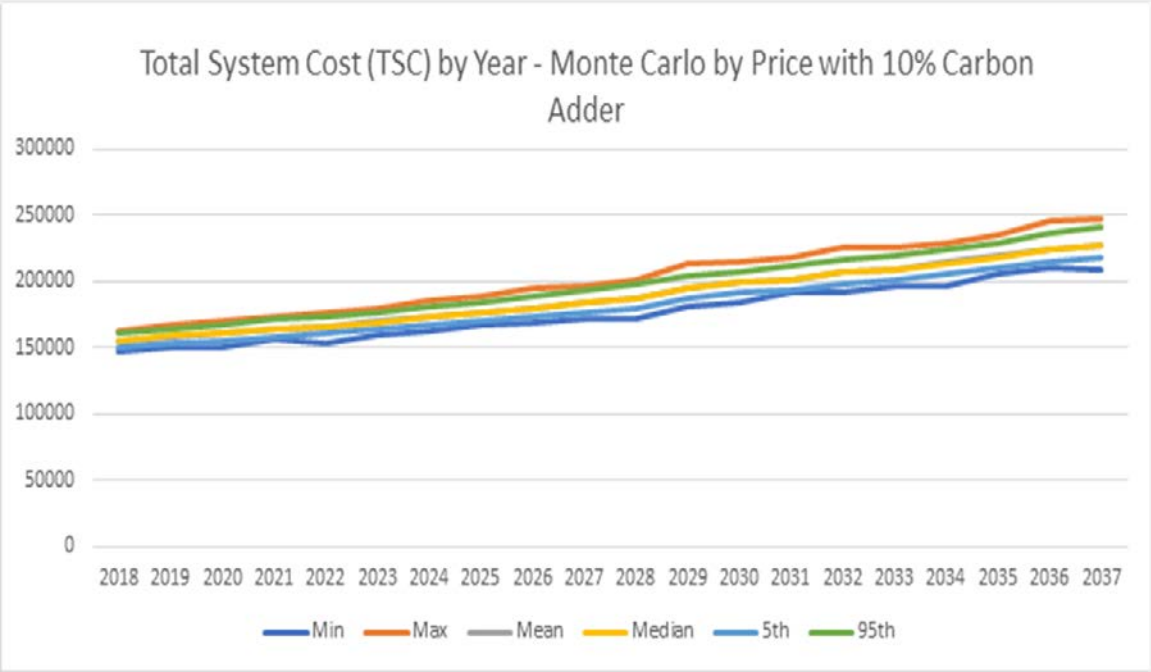
**Figure 7-17: Therms Served – High Growth Monte Carlo Weather Scenarios – Expected Scenario**




## Stochastic Results: Price Uncertainty

The following charts show results when the Candidate Portfolio is stress tested in different scenarios. For price, these charts depict how the portfolio performs with regard to total system costs in an expected growth environment over 200 random pricing scenarios. These results are shown in Figure 7-18. With the analyses on price and weather uncertainty, the Company can gain a perspective of how Cascade's expected portfolio would perform in extreme weather and price situations.

**Figure 7-18: Total System Cost ($000) – Monte Carlo by Price Preferred Portfolio**




## Monte Carlo Inputs

When performing a Monte Carlo simulation in SENDOUT®, the user provides the following inputs for both price and weather simulations:

- Mean Value – this tells SENDOUT® what the mean value should be over the 200 draws. This number is the same as the deterministic input for either price (in $/MMBtu) or HDDs. Cascade used the 20-year price forecast for the mean value on price. The average of the previous 30-years of weather were used for the mean value of HDDs. For example, the average of each January from 1987-2016 make up the mean value for January.

- Standard Deviation (Std Dev) – this tells SENDOUT®, based on the type of distribution selected, how far above and below the mean that the data points will fall depending on the draw and how many points should fall within a certain range. Cascade used the standard deviation of the previous 30-years of weather to determine the standard deviation for Monte Carlo simulations. For price, standard deviation increases at a linear rate to account for less certainty as the time horizon increases.

- Distribution - this tells SENDOUT® if the draws should be distributed normally or lognormally. Weather is distributed normally while price is distributed lognormally. When analyzing a certain month of weather, the

data follows a normal distribution, therefore *Normal* was chosen for the distribution. The Company has observed that pricing follows a lognormal distribution.

- Max - this tells SENDOUT® what the highest result can be for either price or HDDs for a given month. The max for weather is chosen by using the highest monthly HDD value from the previous 30-years of weather data. The Company used 2 standard deviations above the mean for the max.

- Min - this tells SENDOUT® what the lowest result can be for either price or HDDs for a given month. The min for weather is chosen by using the lowest monthly HDD value from the previous 30-years of weather data. The Company used 2 standard deviations below the mean with a floor of $1.50/mmbtu for the min.

Figures 7-19 and 7-20 below show an example of these inputs for an index, as well as for a climate zone.

**Figure 7-19: Sample Monte Carlo Inputs - Index**

| | NOV 2016 | DEC 2016 | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 |
|---|---|---|---|---|---|---|---|
| *Mean Value | 3.60 | 3.95 | 4.38 | 4.36 | 4.29 | 4.01 | 4.05 |
| Std Dev | 0.200 | 0.221 | 0.241 | 0.262 | 0.282 | 0.303 | 0.324 |
| Distribution | Lognormal | | | | | | |
| Max | 4.10 | 4.51 | 4.99 | 5.01 | 4.99 | 4.77 | 4.86 |
| Min | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Weather Effect Up Function | | | | | | | |
| Weather Effect Up Threshold DD | | | | | | | |
| Weather Effect Up Rate | | | | | | | |
| Weather Effect Down Function | | | | | | | |
| Weather Effect Down Threshold DD | | | | | | | |
| Weather Effect Down Rate | | | | | | | |
| Jump Threshold DD | | | | | | | |
| Jump Probability | | | | | | | |
| Jump Multiplier | | | | | | | |
| Max Daily | | | | | | | |
| Min Daily | | | | | | | |

**Figure 7-20: Sample Monte Carlo Inputs – Climate Zone**

| | NOV 2016 | DEC 2016 | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 |
|---|---|---|---|---|---|---|---|
| HDD Mean | 764.6 | 1026.1 | 1031.8 | 804.1 | 639.6 | 453.9 | 254.2 |
| HDD Std Dev | 93.7 | 108.8 | 145.4 | 133.1 | 84.4 | 93.0 | 72.2 |
| HDD Distribution | | | | | | | |
| HDD Max | 932 | 1290 | 1291 | 1242 | 841 | 641 | 426 |
| HDD Min | 534 | 861 | 772 | 568 | 448 | 254 | 92 |
| CDD Mean | | | | | | | |
| CDD Std Dev | | | | | | | |
| CDD Distribution | | | | | | | |
| CDD Max | | | | | | | |
| CDD Min | | | | | | | |

**Alternative Forecasting Methodologies and Consideration of Modeling Modification**

Forecasting is the foundation of integrated resource planning, highly influencing most key items in the two-year action plan and 20-year planning horizon. Chief among these is the determination of the avoided cost of natural gas, which, in addition to gas supply issues, affects conservation programs.

Qualitative (scenario planning) and quantitative methods (regression modeling of historic data) are combined to arrive at low, medium, and high forecasts. A range of end-results are used to determine sensitivity of specific parameters (e.g., customer growth, use per customer, retail price, carbon policy, etc.). Commission Staff and stakeholders scrutinize the assumptions and inputs. A low forecast would result in fewer planned conservation programs. High forecasts may be overly influenced by uncertainties of future industry issues (e.g., carbon policy), resulting in excess costs. Commission Staffs and stakeholders, across states and fuels (i.e., natural gas and coal), request consideration of alternative forecasting methods. This, in practicality, has two meanings: One meaning is technical, focusing on improvements and additions to previous modeling.[3] The second meaning is policy-based (although included in the technical modeling), and lies in sensitivity analysis and scenario planning. For example, scenario planning incorporates adders, such as cost-per-ton of carbon emissions (i.e., $CO_2$).

Throughout each planning cycle, all Oregon and Washington jurisdictional utilities have been requested to improve their technical modeling and include robust sensitivity and scenario analyses to effectuate alternative forecasting methods.

For this IRP the Company is using an ARIMA forecasting methodology. Cascade currently uses SENDOUT®, a platform all Oregon and Washington LDCs use to find the optimal solve for any deficiency that is projected based on the forecast. Through ARIMA forecasting methodology and scenario planning with Monte Carlo draws, a stochastic (that is, based on random event planning) 20-year forecast is derived.[4]

As previously identified in Section 3, Demand Forecast, the Company believes that future IRPs will be enhanced by adopting additional technical modifications. Cascade plans a greater inclusion of auto ARIMA functionality and deeper statistical analysis in future forecast modeling, with a continuing focus on developing a wide and deep range of scenarios. Given the improvements in forecasting, more analysis of primary variables can be gained by greater use of ARIMA equations.

[3] For example, modifications could include modules that examine uncertainty and equations that account for the delayed effects of primary variables (e.g., economic conditions).
[4] A stochastic approach or randomly determined having a random probability distribution or pattern that may be analyzed statistically but may not be predicted precisely.

## Conclusion

Cascade's preferred portfolio has the lowest cost and risk as expected when considering alternate supply resources. This is primarily due to Cascade's geographical spread across the region. The Company's existing long-term transportation contracts, coupled with robust supply basins provides a base foundation to meet load needs of Cascade's core customers. However, Cascade's unique geographical reach creates particular challenges as the system is non-contiguous, often requiring the Company to hold transportation capacity on multiple upstream pipelines to feed the single upstream pipeline that is connected to a particular citygate. The cost of building or acquiring new supply resources would likely increase cost while keeping risk at similar levels.

The High Growth and Low Growth demand analyses provide a range for evaluating demand trajectories relative to the expected scenario. Based on this analysis sufficient time is expected to be available to plan for forecasted resource needs. Even under extreme pricing sensitivities related to the cost of carbon legislation compliance, Cascade has determined that this portfolio solves for resource deficiencies at an acceptable cost. Many events could occur between now and when the first resource needs materialize, so Cascade will employ adaptive management. The Company will continue to monitor and analyze system demand through reconciling and comparing forecast to actual customer counts, and will continually update and evaluate all demand side and supply side alternatives.

# SECTION 8

# DISTRIBUTION SYSTEM PLANNING

## Overview

Cascade's IRP includes the evaluation of safe, economical, and reliable full-path delivery of natural gas from basin to the customer meter. Securing adequate natural gas supply and ensuring sufficient pipeline transportation capacity to Cascade's citygates become secondary issues if distribution system growth behind the citygates becomes severely constrained. Important parts of the planning process include forecasting local demand growth, determining potential distribution system constraints, analyzing possible solutions, and estimating costs for eliminating constraints.

Analyzing resource needs in the IRP is primarily focused on ensuring adequate upstream capacity to the citygates, especially during a peak event. Distribution planning focuses on determining if adequate pressure will be available during a peak hour. Despite this different perspective, distribution planning shares many of the same goals, objectives, risks, and solutions as resource planning.

**Key Points**

- Distribution system network design fundamentals anticipate demand requirements and identify potential constraints.
- Cascade utilizes its internal GIS environment and other input data to create system models through the use of Synergi® software.
- Distribution system enhancements include analyses of pipelines, regulators, and compressor stations.
- Impacts of proposed conservation resources on anticipated distribution constraints are reviewed.
- Analyses are performed on every system at design day conditions to identify areas where potential outages may occur.
- Cascade has identified three major enhancement projects over the next three years.

Cascade's natural gas distribution system consists of approximately 4,744 miles of distribution main pipelines in Washington, and 1,604 miles in Oregon, as well as numerous regulator stations, service distribution lines, monitoring and metering devices, and other equipment. Currently, a compressor station is located within Cascade's distribution system near Fredonia, WA. The vast majority of the distribution network pipelines and regulating stations operate and maintain system pressure solely from the pressure provided by the interstate transportation pipelines.

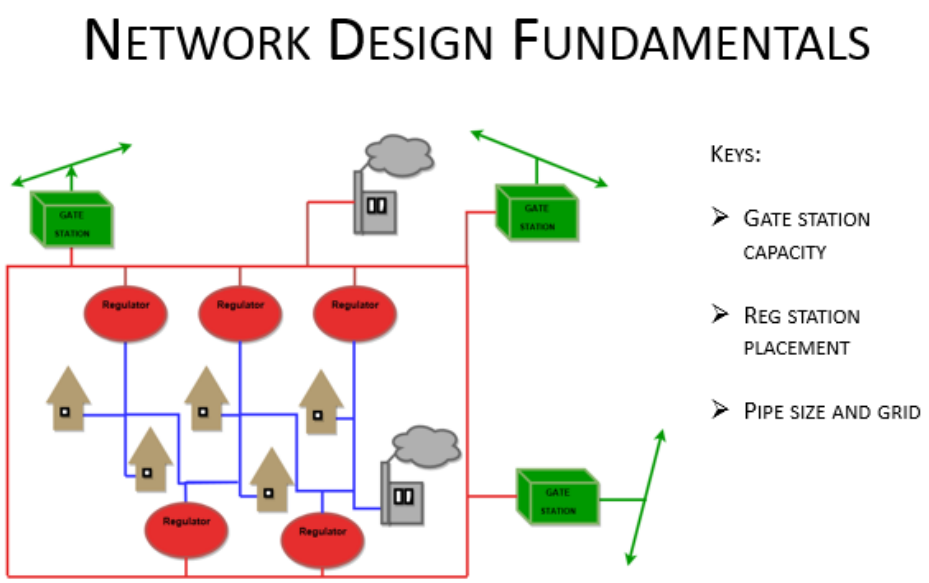
## Network Design Fundamentals

Gas distribution networks rely on pressure differentials to move gas from one place to another. If the pressure is exactly the same on both ends of a pipe, the gas will not flow. Therefore, it is important that gas engineers design the distribution network such that the pressure in the pipe will always be high enough that a differential can be created when gas leaves the system. As gas flow increases,

pressure is lost due to friction. Using the laws of fluid mechanics, engineers informed by flow modeling data determine the maximum flow of gas through a pipe of a certain diameter and length that will not cause pressure drops that are too great.

Not all natural gas flows equally throughout a network. Certain points within the network constrain flow and restrict overall network capacity. Network constraints can occur as demand requirements evolve. Anticipating these demand requirements, identifying potential constraints and forming cost-effective solutions with sufficient lead times without overbuilding infrastructure are the key challenges in network design. Figure 8-1 provides an example of a network diagram.

**Figure 8-1: Network Design Fundamentals**

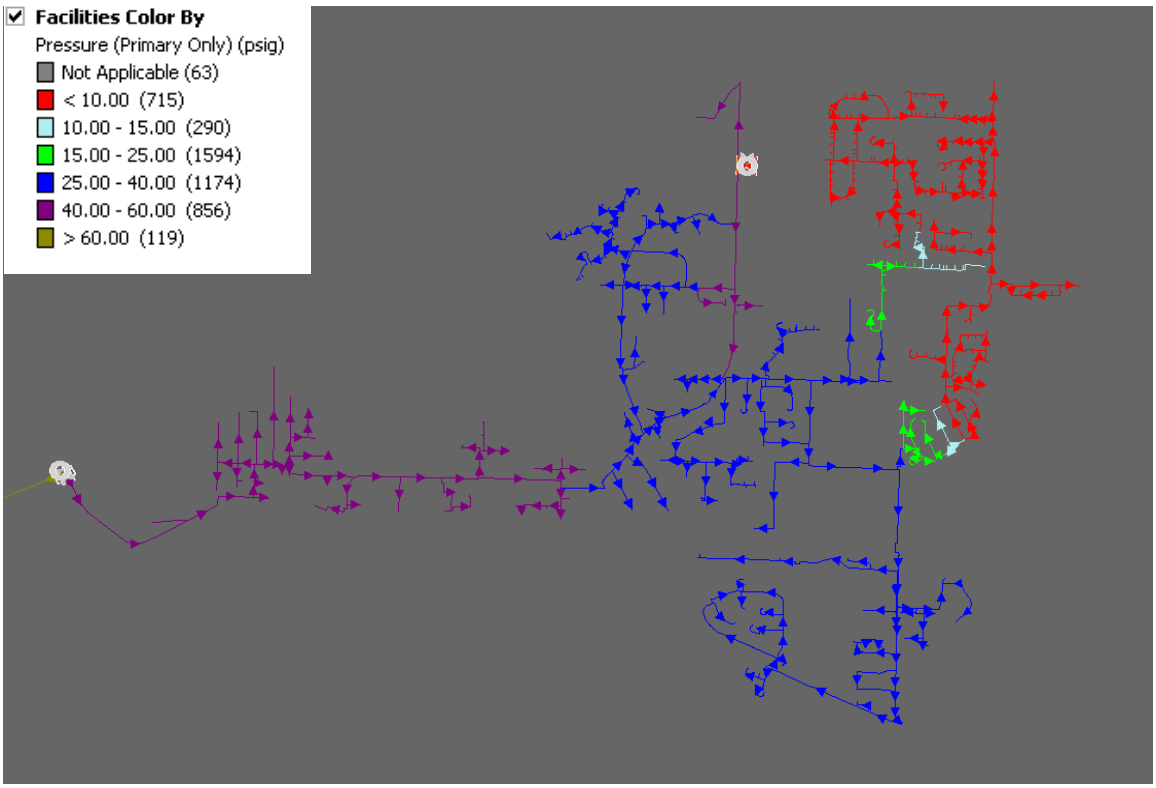



## Computer Modeling

Developing and maintaining effective network design is aided by computer modeling for network demand studies. Demand studies have evolved with technology in the past decade to become a highly technical and powerful means of analyzing distribution system performance. Utilizing computer software, individual models were created for each of Cascade's different systems. These models include both high-pressure lines and distribution system networks. As gas loads are simulated to increase according to the load forecasts, the pressures within each system are checked. When the simulation shows the pressure dropping to an unacceptable level, that system and the surrounding area are determined to be a constraint area. When constraint areas are found, an engineer

determines the most effective way of solving the problem.
Cascade's geographical information system (GIS) keeps an as-to-date record of pipe and facilities, complete with all system attributes such as date of install and operation pressure. Using the internal GIS environment and other input data Cascade is able to create system models through the use of Synergi® software. The software provides the means to theoretically model piping and facilities to represent current pressure and flow conditions while predicting future events and growth. Combining these models with historical weather data can provide a Design Day model that will predict a worst-case scenario. Design Day models that experience less than ideal conditions can then be identified and remedied before a real problem is encountered. Ultimately the identified projects can be funneled through the Project Process Flow (Figure 8-4 on Page 8-9) to be prioritized and slotted into the budget. Figure 8-2 is an example of a low-pressure scenario identified using Synergi®.

**Figure 8-2: Low Pressure Design Example**




Synergi® is used in conjunction with the GasWorks models that were built years ago and have been upgraded as needed. Cascade's philosophy is that models should be reviewed for significant changes annually and recalibrated to represent the system more accurately. Synergi® is more advanced than GasWorks and much more user friendly. Synergi® is also the modeling software of choice for many other LDCs.

## Distribution System Planning

Many LDCs conduct two primary types of evaluations in their distribution system planning efforts to determine the need for resource additions, including distribution system reinforcements and expansions. Reinforcements are upgrades to existing infrastructure or new system additions, which increase system capacity, reliability, and safety. Expansions are new system additions to accommodate new demand. Collectively, these are distribution enhancements.

The engineering department works closely with engineer associates and district management to make sure the system is safe and reliable. As towns develop, the need for pipeline expansions and reinforcements increases. The expansions are historically driven by new city developments or new housing plats. Before expansions and installation can be constructed to serve these new customers, engineering analysis is performed. Using system modeling software to represent cold weather scenarios, predictions can be made about the capacity of the system. As new groups of customers seek natural gas service, the models provide feedback on how best to serve them reliably.

Another aspect of system planning involves gate capacity analysis and forecasting. Over time each gate station will take on more and more demand and it is Cascade's goal to get out in front with predictions. The IRP growth data received, along with design day modeling, allows for forecasting of necessary gate upgrades. SCADA technology utilized by Cascade allows verification of numbers with real time and historic gate flow and pressure data. The data proves reliable in verifying models and forecasting projects.

## Distribution System Enhancements

Demand studies facilitate modeling multiple demand forecasting scenarios, constraint identification and corresponding optimum combinations of pipe modification, and pressure modification solutions to maintain adequate pressures throughout the network. Distribution system enhancements do not reduce demand nor do they create additional supply. Enhancements can increase the overall capacity of a distribution pipeline system while utilizing existing gate station supply points. The two broad categories of distribution enhancement solutions are pipelines and regulators.

## Pipelines

Pipeline solutions consist of looping, upsizing and uprating. Pipeline looping is the most common method of increasing capacity in an existing distribution system. It involves constructing new pipe parallel to an existing pipeline that has, or may become, a constraint point. Constraint points inhibit flow capacities

downstream of the constraint creating inadequate pressures during periods of high demand. When the parallel line connects to the system, this alternative path allows natural gas flow to bypass the original constraint and bolsters downstream pressures. Looping can also involve connecting previously unconnected mains. The feasibility of looping a pipeline depends upon the location where the pipeline will be constructed. Installing gas pipelines through private easements, residential areas, existing asphalt, and steep or rocky terrain can increase the cost to a point where alternative solutions are more cost-effective.

Pipeline upsizing involves replacing existing pipe with a larger size pipe. The increased pipe capacity relative to surface area results in less friction, and therefore, a lower pressure drop. This option is usually pursued when a pipe is damaged or has integrity issues. If the existing pipe is otherwise in satisfactory condition, looping augments existing pipe, which remains in use.

Pipeline uprating increases the maximum allowable operating pressure of an existing pipeline. This enhancement can be a quick and relatively inexpensive method of increasing capacity in the existing distribution system before constructing more costly additional facilities. However, safety considerations and pipe regulations may prohibit the feasibility or lengthen the time before completion of this option. Also, increasing line pressure may produce leaks and other pipeline damage creating costly repairs. A thorough review is conducted to ensure pipeline integrity before pressure is increased. Figure 8-3 provides a snapshot of some of the major components of the system.

**Figure 8-3: Cascade System Pipeline Overview**

PIPELINE:

- DIAMETER – ½" TO 20"
- MATERIAL – POLYETHYLENE AND STEEL
- OPERATING PRESSURE - 20 PSI TO 900 PSI
- WASHINGTON – APPROX. 4,744 MILES OF DISTRIBUTION MAIN
- OREGON – APPROX. 1,604 MILES OF DISTRIBUTION MAIN

## Regulators

Regulators or regulator stations reduce pipeline pressure at various stages in the distribution system. Regulation provides a specified and constant outlet pressure before natural gas continues its downstream travel to a city's distribution system, a customer's property, or a natural gas appliance. Regulators also ensure that flow requirements are met at a desired pressure regardless of pressure fluctuations upstream of the regulator. Regulators are at citygate stations, district regulator stations, farm taps, and customer services. Utilization and strategic positioning of new stations can be very helpful in increasing system reliability and capacity. Cascade has over 700 regulator stations along its system.

## Compression

Compressor stations present a capacity enhancing option for pipelines with significant natural gas flow and the ability to operate at higher pressures. For pipelines experiencing a relatively high and constant flow of natural gas, a large volume compressor installation along the pipeline boosts downstream pressure.

A second option is the installation of smaller compressors located close together or strategically placed along a pipeline. Multiple compressors accommodate a large flow range and use smaller and very reliable compressors. These smaller compressor stations are well suited for areas where gas demand is growing at a relatively slow and steady pace, so that purchasing and installing these less expensive compressors over time allow a pipeline to serve growing customer demand into the future.

Compressors can be a cost-effective option to resolving system constraints; however, regulatory and environmental approvals to install a station, along with engineering and construction time, can be a significant deterrent. Adding compressor stations typically involves considerable capital expenditure. Based on Cascade's detailed knowledge of the distribution system, there are no foreseeable plans to add compressors to the distribution network.

## Conservation Resources

Reviewing the impacts of proposed conservation resources on anticipated distribution constraints is equally important. Although the Company historically provides utility-sponsored conservation programs throughout a particular jurisdiction (i.e. all of Washington or all of Oregon), there may be instances where a more targeted approach could reduce or delay the estimated reinforcement for a specific area. However, as discussed in Section 6, DSM and Environmental Policy, the acquisition of conservation resources is entirely dependent upon the individual consumer's day-to-day purchasing and behavior decisions. Although

the utility attempts to influence these decisions through its conservation programs, the consumer is still the ultimate decision maker regarding the purchase of a conservation measure. Therefore, the Company does not anticipate that the peak day load reductions resulting from incremental conservation will be adequate enough to eliminate distribution system constraint areas at this time. However, over the longer term (through 2027), the opportunity for targeted conservation programs to provide a cumulative benefit that offsets potential constraint areas may be an effective strategy.

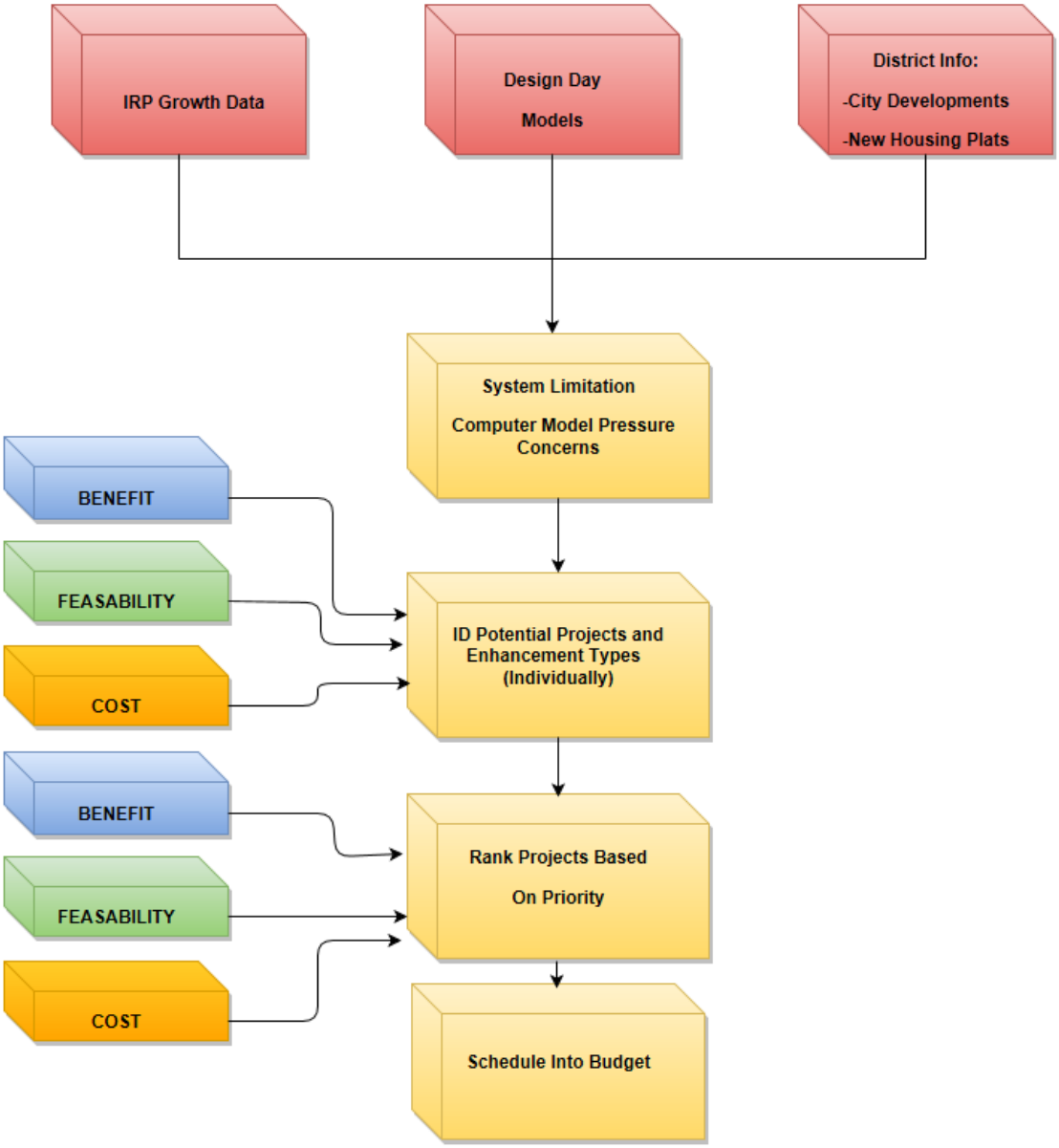
**Distribution Scenario Decision-Making Process**

After achieving a working load study, analyses are performed on every system at design day conditions to identify areas where potential outages may occur. These areas of concern are then risk ranked against each other to ensure the highest risk areas are corrected first. Within a given area, projects/reinforcements are selected using the following criteria:

- The shortest segment(s) of pipe that improves the deficient part of the distribution system.
- The segment of pipe with the most favorable construction conditions, such as ease of access or rights or traffic issues.
- Minimal to no water, railroad, major highway crossings, etc.
- The segment of pipe that minimizes environmental concerns including minimal to no wetland involvement, and the minimization of impacts to local communities and neighborhoods.
- The segment of pipe that provides opportunity to add additional customers.
- Total construction costs including restoration.

Once a project/reinforcement is identified, the design engineer or construction project coordinator (CPC) begins a more thorough investigation by surveying the route and filing for permits. This process may uncover additional impacts such as moratoriums on road excavation, underground hazards, discontent among landowners, etc., resulting in another iteration of the above project/reinforcement selection criteria. Figure 8-4 provides a schematic representation of the distribution scenario process.

**Figure 8-4: Distribution Scenario Process**



## Planning Results

Table 8-1 summarizes the cost and timing of three major distribution system enhancements addressing growth-related system constraints, system integrity issues and the timing of expenditures. The detail on these sample projects provides preliminary estimates of timing and costs of major reinforcement solutions. The scope and needs of distribution system enhancement projects generally evolve with new information requiring ongoing reassessment. Actual solutions may differ due to differences in actual growth patterns and/or construction conditions that differ from the initial assessment.

The following discussion provides information about the three sample, near-term projects:

- Bend 6” HP Steel Reinforcement - This high pressure steel project will help the capacity in the entire Bend system. The city of Bend has seen a great deal of growth in the recent past and expects more in the future. The project will consist of installing 6,400’ of 6” and 8” high pressure steel. The project cost is forecasted to be $1,930,648 and the expected completion date is 2018.

- Bend 4” IP PE Reinforcement: Archie Briggs Rd - This intermediate pressure reinforcement will tie together two separate sections of the Bend system in northwestern Bend. This area has seen a great deal of growth and design day models are forecasting pressure issues in the future. The project consists of almost 1,950’ of 4” PE. The project cost is estimated to be $ 191,066 and it is expected to be completed in 2019.

- Bend 4” IP PE Reinforcement: Hayes Ave. - This intermediate pressure reinforcement will help strengthen the center of the Bend distribution system. Model forcasts with continued growth show there will be pressure concerns in this area of the system between Bend Parkway and the Deschutes River. The project will consist of 1,200’ of 4” PE and will tie together two segments isolated from each other by the Bend Parkway. It is expected to cost about $204,454 and is forecasted to be completed in 2019.

**Table 8-1: Distribution Planning Capital Projects**

| Location | 2018 | 2019 |
|---|---|---|
| Bend 8”/6” HP Steel Reinforcement | $ 1,930,648 | |
| Bend 4” IP PE Reinforcement: Archie Briggs Rd | | $ 191,066 |
| Bend 4” IP PE Reinforcement: Hayes Ave | | $ 204,454 |

Table 8-1 highlights just a few of Cascade’s near future growth projects. All engineering projects can be found in Appendix I. With the use of the computer modeling software and Cascade’s Distribution Scenario Process, the Company can identify projects for the longer term. As projects are completed they are integrated into the system to make sure the model is current. This ensures that Cascade is using the most recent versions of its system moving forward.

## Conclusion

Cascade’s goal is to maintain its natural gas distribution system’s reliablity and to cost effectively deliver natural gas to every core customer. This goal relies on modeling to increase the capacity and reliability of the distribution system by identifying specific areas that may require changes. The ability to meet the goal of reliable and cost effective natural gas delivery is enhanced through localized distribution planning, which enables coordinated targeting of distribution projects responsive to customer growth pattern.

# SECTION 9

# STAKEHOLDER ENGAGEMENT

## Overview

Input and feedback from Cascade's Technical Advisory Group (TAG) are an important resource for ensuring the IRP includes perspectives beyond the Company's and is responsive to stake-holders' concerns.

**Key Points**

- Five Technical Advisory Group (TAG) meetings were held - one in Portland, three in Salem, and one via WebEx.
- Multiple opportunities for public participation were available.
- TAG meeting Agendas and presentations are available at www.cngc.com.

## Approach to Meetings and Workshops

The Company's standard approach is to hold a series of public meetings, typically in Salem. Cascade's IRP stakeholders are widely spread out geographically; Salem is more easily accessible for individuals to attend than Kennewick. For those unable to travel, all meetings were available by WebEx/teleconference. Cascade scheduled five TAG meetings between May and December of 2017.

Cascade recognizes the involvement in the Company's TAG represents a material time commitment. The Company appreciates the investment of time attendees provide to this process by reviewing multiple documents and making subsequent suggestions. This IRP has benefited from the focus of the engaged stakeholders.

## List of Stakeholders

The Company encourages public participation in the IRP process. Participants invited to these public meetings include interested customers, regional upstream pipelines, Pacific Northwest LDCs and other utilities, Commission Staff, stakeholder representatives such as the Northwest Gas Association, Citizens' Utility Board, and the Northwest Industrial Gas Users.

Internally, the Cascade IRP stakeholders and participants are from the following departments:

- Resource Planning;
- Gas Supply/Gas Control;
- Regulatory Affairs;
- Operations/Engineering;
- Conservation, Energy Efficiency;
- Finance/Accounting;
- Information Technology; and
- Executive group.

Additionally, Cascade contracted the services of an IRP consultant, Bruce W Folsom Consulting LLC, to assist the Company with meeting the 2018 IRP schedule.

**TAG Meetings**

Cascade held five public TAG meetings with internal and external stakeholders. Information about each meeting date and major agenda items are provided below as well as in Appendix A.

2018 IRP TAG 1 Meeting – Thursday, May 11, 2017

- Location: Salem at the OPUC Offices, 9 am to 12 pm
- IRP Timeline
- Regional Market Outlook
- Demand Forecast Methodology
- Address 2014 IRP Concerns

2018 IRP TAG 2 Meeting – Wednesday, July 19, 2017

- Location: Salem at the OPUC Offices, 9 am to 12 pm
- Distribution System Planning
- Planned Scenarios and Sensitivities
- Alternative Resources
- Price Forecast
- Avoided Cost
- Current Supply Resources
- Transport Issues

2018 IRP TAG 3 Meeting – Thursday, September 7, 2017

- Location: Portland at Portland International Airport, 9 am to 12 pm
- Carbon Impacts
- Conservation (lead presenter: Energy Trust of Oregon)
- Preliminary Resource Integration Results
- Proposed New 2-year Plan

2018 IRP TAG 4 Meeting – Thursday, October 19, 2017

- Location: Salem at the OPUC Offices, 9 am to 12 pm
- Final Integration Results
- Finalization of Plan Components

2018 IRP TAG 5 Meeting Part One – Wednesday, December 21, 2017

- Location: WebEx Only
- Review of Staff Comments

2018 IRP TAG 5 Meeting Part Two – Wednesday, January 10, 2018

- Location: WebEx Only
- Review of Staff Comments Regarding Section 6

**Opportunity for Public Participation**

Cascade is fully committed to ensuring the public is invited to participate in its IRP process. Cascade has a dedicated Internet webpage where customer and parties can view the IRP timeline, TAG presentations and minutes, as well as current and past IRPs.[1]

[1] *See:* https://www.cngc.com/rates-services/rates-tariffs/oregon-integrated-resource-plan

# SECTION 10

# TWO-YEAR ACTION PLAN

## 2018 Action Plan

The two-year action plan demonstrates Cascade's commitment to implementing its Integrated Resource Plan and creating a portfolio of resources with the best combination of expected costs and associated risks and uncertainties for the utility and its customers.

**Key Points**
Cascade's 2018 Action Plan focuses on:
- Demand Forecast
- Supply Side Resources
- Demand Side Management
- Avoided Cost
- IRP Process

## Demand Forecast

The Company has purchased SAS analytics, a statistical analysis software, and uses it in conjunction with R, another analysis software, to run its ARIMA forecast models. Cascade will analyze the Auto-ARIMA functionality in R for possible inclusion in its future demand forecasts. The Company will provide an update on this analysis with Cascade's IRP update annual filing.

## Supply Side Resources

The OPUC initiated docket UM 1720 as a result of long-term hedging guidelines proposed by NW Natural in their 2014 IRP.[1] Cascade has been an active participant in this docket and over the course of the next two years, the Company will implement a more robust hedging strategy that is consistent with any guidance provided in UM 1720, as well as part of the Company's compliance with the Washington Utilities and Transportation Commission (WUTC) Policy and Interpretative Statement on Local Distribution Companies' (LDCs) Natural Gas Hedging Practices in Docket UG 132019. Cascade will provide an update of the Company's hedging activities and seek stakeholder input regarding any enhanced hedging process at each UM 1286 mandated PGA quarterly meeting.

[1]OPUC has closed docket UM 1720 as a part of Order 18-019

## Demand Side Management (Conservation)

*DSM Action Item 1*
Cascade will strive to acquire the following amount of cost-effective gas therm savings over the next two years:

| | 2018 | 2019 |
|---|---|---|
| **Oregon** | 609,093 | 631,223 |
| **Washington** | 876,574 | 921,441 |
| **Total** | 1,485,667 | 1,552,664 |
| *stated as gross therms | | |

The Company will acquire cost-effective therm savings by partnering with Energy Trust in Oregon and by delivering programs under the oversight of the Company's Conservation Advisory Group in Washington. Short-term annual therm savings targets are refined annually in Oregon by the Energy Trust through the budgeting process and in Cascade's Conservation Plan, which the Company files each December 1st in Washington.

*DSM Action Item 2*
The Company will examine the impact changes such as revised building codes, OPUC exemptions granted for non-cost-effective measures, and changes to avoided cost calculations stemming from Docket No. UM 1893, may have on the Company's long- and short-term conservation potential. Success shall be measured by the following:

- The Company shall hold at least one meeting with the Energy Trust to discuss any changes that might affect the Company's energy efficiency therm savings targets, and, if applicable, what actions may need to be taken to comply with or adapt to the changes.
- Cascade will provide a summary of its meeting with the Energy Trust in its 2019 IRP Annual Update. In compliance with OAR 860-021-0400(9), the Company will file an update as soon as is reasonably possible if any changes result in a significant deviation from the 2018 IRP.

*DSM Action Item 3*
The Company will work with the Energy Trust of Oregon to discuss how various carbon tax scenarios impact which energy conservation measures are undertaken. This analysis will be included in future IRPs.

## Avoided Cost

At this time, Cascade's distribution system costs are not included in the Company's avoided cost calculation. The Company will work on developing a methodology for

quantifying its distribution costs for inclusion in its 2020 IRP. The Company will provide a progress report with Cascade's IRP update annual filing.

## IRP Process

Cascade recognizes the importance of gathering best practices from its fellow local distribution companies (LDCs). To that end, the Company will participate in the IRP process of at least three regional utilities over the course of the next two years with the objective of incorporating aspects that may enhance Cascade's IRP.

Table 10-1 highlights specific activities of the 2018 Action Plan.

**Table 10-1: Highlights of Draft 2018 Action Plan**

| Functional Area | Anticipated Action | Timing |
|---|---|---|
| Demand Forecast | Expanding forecast to test Auto-ARIMA functionality in R. | Beginning in 2018 for inclusion in 2020 IRP |
| Supply Side Resources | Active participation in meetings related to UM-1720 to ensure Cascade engages in best practices related to hedging. | Ongoing, for inclusion in 2020 IRP |
| DSM | The Company will acquire cost-effective therm savings by partnering with Energy Trust in Oregon and by delivering programs under the oversight of the Company's Conservation Advisory Group in Washington. | Ongoing, for inclusion in 2020 IRP |
| DSM | The Company will examine the impact changes such as revised building codes, OPUC exemptions granted for non-cost-effective measures, and changes to avoided cost calculations stemming from Docket No. UM 1893, may have on the Company's long- and short-term conservation potential. | Summary will be provided in the 2019 Annual IRP Update |
| DSM | Cascade will examine how carbon tax scenarios impact which energy conservation measures are undertaken with ETO. | Ongoing, for inclusion in 2020 IRP |
| Avoided Cost | Investigate incorporating distribution system costs into the avoided cost calculation. | Beginning in 2018 for inclusion in 2020 IRP |
| IRP Process | Active participation in regional LDC IRP processes. | Beginning in 2017 for inclusion in 2020 IRP |

# SECTION 11

# GLOSSARY AND MAPS

## GLOSSARY OF TERMS AND ACRONYMS

**ABB™**
Add-in product to the SENDOUT® model that facilitates the ability to model gas price and load uncertainty (driven by weather) into the future. ABB™ brings a Monte Carlo approach in to the linear programming approach utilized in SENDOUT®.

**ACEEE**
American Council for an Energy-Efficient Economy.

**ACHIEVABLE POTENTIAL**
Represents a realistic assessment of expected energy savings, recognizing and accounting for economic and other constraints that preclude full installation of every identified conservation measure.

**AECO INDEX**
Alberta Canada natural gas trading price.

**AFUE**
Annual Fuel Utilization Efficiency. Thermal efficiency measure of combustion equipment like furnaces, boilers, and water heaters.

**AMA**
Asset Management Agreement. An arrangement that an LDC may enter into with a marketing company to assist with transportation and storage assistance.

**ANNUAL MEASURES**
Conservation measures that achieve generally uniform year-round energy savings independent of weather temperature changes. Annual measures are also often called base load measures.

**ARIMA MODELING**
Autoregressive Integrated Moving Average. A time series analysis technique employed by Cascade in its demand and customer forecast.

**ARRA**
The American Recovery and Reinvestment Act of 2009.

**AVOIDED COST**
Marginal cost of serving the next unit of demand, which is saved through conservation efforts.

**BACKHAUL SERVICE**
A transaction where gas is transported the opposite direction of normal flow on a unidirectional pipeline.

**BASE LOAD**
As applied to natural gas, a given demand for natural gas that remains fairly constant over a period of time, usually not temperature sensitive.

**BASE LOAD MEASURES**
Conservation measures that achieve generally uniform year-round energy savings independent of weather temperature changes. Base load measures are also often called annual measures.

**BNG**
Bio Natural Gas. Typically refers to a gas produced by the biological breakdown of organic matter in the absence of oxygen.

**BRITISH THERMAL UNIT (BTU)**
The amount of heat required to raise the temperature of one pound of pure water one-degree Fahrenheit under stated conditions of pressure and temperature; a therm of natural gas has an energy value of 100,000 BTUs and is approximately equivalent to 100 cubic feet of natural gas.

**CC&B**
Customer Care and Billing. Internal billing data system for Cascade Natural Gas.

**CD**
Contract Demand.

**CITYGATE (ALSO KNOWN AS GATE STATION OR PIPELINE DELIVERY POINT)**
The point at which natural gas deliveries transfer from the interstate pipelines to Cascade's distribution system.

**CAR**
Clean Air Rule. Greenhouse gas emissions standards codified in WAC 173-442.

**CNG**
Compressed Natural Gas.

**CNGC**
Cascade Natural Gas Corporation.

**COMPRESSION**
Increasing the pressure of natural gas in a pipeline by means of a mechanically driven compressor station to increase flow capacity.

**COMPRESSOR**
Equipment which pressurizes gas to keep it moving through the pipelines.

**CONSERVATION MEASURES**
Installations of appliances, products, or facility upgrades that result in energy savings.

**CONTRACT DEMAND**
The maximum daily, monthly, seasonal, or annual quantities of natural gas, which the supplier agrees to furnish or the pipeline agrees to transport, and for which the buyer or shipper agrees to pay a demand charge.

**COP**
Coefficient of Performance.

**CORE CUSTOMERS**
Residential, firm industrial and commercial gas customers who require utility gas service.

**COST-EFFECTIVENESS**
The determination of whether the present value of the therm savings for any given conservation measure is greater than the cost to achieve the savings.

**CPI**
Consumer Price Index, as calculated and published by the U.S. Department of Labor, Bureau of Labor Statistics.

**DAY GAS**
Gas that can be purchased as needed to cover demand in excess of the base load.

**DEKATHERM**
Unit of measurement for natural gas; a dekatherm is 10 therms, which is 1000 cubic feet (volume) or 1,000,000 BTUs (energy).

**DEMAND SIDE MANAGEMENT (DSM)**
The activity pursued by an energy utility to influence its customers to reduce their energy consumption or change their patterns of energy use away from peak consumption periods.

**DEMAND SIDE RESOURCES**
Energy resources obtained through assisting customers to reduce their demand or use of natural gas. Also represents the aggregate energy savings attained from installation of conservation measures.

**DSM**
Demand Side Management.

**DTH**
Unit of measurement for natural gas; a dekatherm is ten therms, 1,000 cubic feet (volume) or 1,000,000 BTUs (energy).

**EBB**
Electronic Bulletin Board.

**EIA**
Energy Information Administration.

**ENTITLEMENTS**
Flow management tool used by upstream pipelines, in conjunction with OFOs.

**EXPECTED SCENARIO**
Least cost mix of existing and incremental resources to solve projected unserved demand under average weather with peak event, average price, and expected growth.

**EXTERNALITIES**
Costs and benefits that are not reflected in the price paid for goods or services.

**FEDERAL ENERGY REGULATORY COMMISSION (FERC)**
The government agency charged with the regulation and oversight of interstate natural gas pipelines, wholesale electric rates and hydroelectric licensing; the FERC regulates the interstate pipelines with which Cascade does business and determines rates charged in interstate transactions.

**FIRM SERVICE OR FIRM TRANSPORTATION**
Service offered to customers under schedules or contracts that anticipate no interruptions; the highest quality of service offered to customers.

**FOM**
First of the Month price. Supply contracts entered into on a short-term basis to cover expected demand for that month.

**FORCE MAJEURE**
An unexpected event or occurrence not within the control of the parties to a contract, which alters the application of the terms of a contract; sometimes referred to as "an act of God;" examples include severe weather, war, strikes, pipeline failure, and other similar events.

**FUEL-IN-KIND (FUEL LOSS)**
A statutory percent of gas based on the tariff from the pipeline that is lost and unaccounted for from the point where the gas was purchased to the citygate.

**FUGITIVE METHANE EMISSIONS**
Natural Gas that escapes the system during drilling, extraction, and/or transportation and distribution of gas.

**GAS TRANSMISSION NORTHWEST (GTN)**
A subsidiary of TransCanada Pipeline which owns and operates a natural gas pipeline that runs from the Canada/U.S. border to the Oregon/California border. One of the six natural gas pipelines Cascade transacts with directly.

**GHG**
Greenhouse Gas.

**GMS**
Gas Management System.

**GSOC**
Gas Supply Oversight Committee.

**HEATING DEGREE DAY (HDD)**
A measure of the coldness of the weather experienced, based on the extent to which the daily average temperature falls below 60 degrees Fahrenheit; a daily average temperature represents the sum of the high and low readings divided by two.

**HENRY HUB**
The physical location found in Louisiana that is widely recognized as the most important pricing point in the United States. It is also the trading hub for the New York Mercantile Exchange (NYMEX).

**INJECTION**
The process of putting natural gas into a storage facility or biomethane into the distribution system.

**INTERRUPTIBLE SERVICE**
A service of lower priority than firm service, offered to customers under schedules or contracts that anticipate and permit interruptions on short notice; interruption occurs when the demand of all firm customers exceeds the capability of the system to continue deliveries to all firm customers.

**INTERSTATE PIPELINE**
A federally regulated company that transports and/or sells natural gas across state lines.

**IOU**
Investor owned utility.

**IRP**
Integrated Resource Plan; the document that explains Cascade's plans and preparations to maintain sufficient resources to meet customer needs at a reasonable price.

**JACKSON PRAIRIE**
An underground storage project jointly owned by Avista Corp., Puget Sound Energy, and NWP. The project is a naturally occurring aquifer near Chehalis, Washington, which is located some 1,800 feet beneath the surface and capped with a very thick layer of dense shale.

**KORP**
Kingsvale-Oliver Reinforcement Project.

**LDC**
Local Distribution Company. LDCs are regulated utilities involved in the delivery of natural gas to consumers within a specific geographic area.

**LIQUEFIED NATURAL GAS (LNG)**
Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure. It is liquefied to reduce its volume and thereby facilitate bulk storage and transport.

**LINEAR PROGRAMMING**
A mathematical method of solving problems by means of linear functions where the multiple variables involved are subject to constraints; this method is utilized in the SENDOUT® Gas Model.

**LNG**
Liquefied natural gas.

**LOAD FACTOR**
The average load of a customer, a group of customers, or an entire system, divided by the maximum load factor that can be calculated over any time period.

**LOAD FORECAST**
A forecast, an estimate, or a prediction of how much gas will be needed for residences, companies, and other institutions.

**LOAD MANAGEMENT**
The reduction of peak demand during specific, limited time periods by temporarily curtailing usage or shifting usage to other time periods. Load management reduces system peak demand very well, but can have little or no effect on total energy use. Its effects are temporary and of short duration.

**LOAD PROFILE**
The pattern of a customer's gas usage, hour to hour, day to day, or month to month.

**LOOPING**
The construction of a second pipeline parallel to an existing pipeline over the whole or any part of its length, thus increasing the capacity of that section of the system.

**LRC**
Lowest Reasonable Cost. LRC Methodology is used when evaluating alternatives to determine the optimal solution to a given problem.

**MCF**
A unit of volume equal to a 1,000 cubic feet.

**MDDO**
Maximum Daily Delivery Obligation.

**MDQ**
Maximum Daily Quantity.

**MONTE CARLO ANALYSIS**
A type of stochastic mathematical simulation which randomly and repeatedly samples input distributions (e.g. reservoir properties) to generate a results distribution.

**MOU**
Memorandum of Understanding.

**NAESB**
North American Energy Standards Board.

**NAÏVE FORECAST**
A methodology used for predicting future demand when the results from a regression analysis do not show enough of a correlation between actual demand and the forecast model. This forecast is performed by using the previous year's demand multiplied by a growth factor.

**NATIONAL ENERGY BOARD (NEB)**
The Canadian equivalent to the Federal Energy Regulatory Commission (FERC).

**NATURAL GAS**
A naturally occurring mixture of hydrocarbon and non-hydrocarbon gases found in porous geologic formations beneath the earth's surface, often in association with petroleum; the principal constituent is methane, and it is lighter than air.

**NEEDLE PEAKING RESOURCE**
Utilized during severe or “arctic” cold weather.

**NEPA**
National Environmental Policy Act.

**NEW YORK MERCANTILE EXCHANGE (NYMEX)**
An organization that facilitates the trading of several commodities including natural gas.

**NGV**
Natural Gas Vehicles.

**NOMINATION**
The scheduling of daily natural gas requirements.

**NON-COINCIDENT PEAK**
The sum of two or more peak loads on individual systems that do not occur in the same time interval. Meaningful only when considering loads within a limited period of time, such as a day, week, month, a heating or cooling season, and usually for not more than one year.

**NON-CORE CUSTOMER**
Large customers who contract with a third party for supply and upstream pipeline capacity. Cascade provides distribution services. Typical customers include large commercial, industrial, cogeneration, wholesale, and electric generation customers.

**NORTHWEST PIPELINE CORPORATION (NWP)**
A principal interstate pipeline serving the Pacific Northwest and one of six natural gas pipelines Cascade transacts with directly. NWP is a subsidiary of The Williams Companies and is headquartered in Salt Lake City, Utah.

**NORTHWEST POWER AND CONSERVATION COUNCIL (NWPCC)**
NWPCC consists of two members from each of the four Northwest states- Oregon, Washington, Idaho and Montana- who develop a plan for meeting the region’s electric demand.

**NOVA GAS TRANSMISSION (NOVA)**
See TransCanada Alberta System.

**NWBOP**
Northwest Builder Option Packages.

**NWGA**
Northwest Gas Association.

**NWP**
Williams-Northwest Pipeline.

**NYMEX**
New York Mercantile Exchange.

**NYMEX HH**
New York Mercantile Exchange Henry Hub.

**OFO**
Operation Flow Order is an order issued by an upstream pipeline to alleviate conditions, among other things, that threaten the safe operations or integrity of the pipeline, or the maintenance of operations required to provide efficient and reliable firm service. The pipeline's ability to deliver anticipated quantities, and maximize efficiency and capacity utilization is often dependent upon marinating project flow patterns (e.g. receipts, deliveries and balances). Violations or failure to comply with an OFO can result in the pipeline assessing penalties to offending shippers.

**OFF-SYSTEM**
Any point not on or directly interconnected with a transportation, storage, and/or distribution system operated by a natural gas company within a state.

**OPAL (OPAL HUB)**
Natural Gas trading hub in Lincoln County, WY.

**OPUC**
Oregon Public Utility Commission. The OPUC's official name is Public Utility Commission of Oregon.

**PCGP**
Pacific Connector Gas Pipeline Project.

**PEAK DAY**
The greatest total natural gas demand forecasted in a 24-hour period used as a basis for planning peak capacity requirements.

**PEAK DAY GAS**
Gas that is purchased in a peak day situation to serve demand that cannot be satisfied by base or day gas.

**PREFERRED PORTFOLIO**
Cascade's term of art for the optimal mix of resources to solve for forecasted shortfalls in the 20-year planning horizon.

**PRICE ELASTICITY**
Economic concept which recognizes that customer consumption changes as prices rise or fall.

**PSI**
Pounds per Square Inch. This is the standard unit of measure when determining how much pressure is being applied when gas is flowing through a pipe.

**PTCS**
Performance Tested Comfort Systems.

**PVRR**
Present Value of Revenue Requirement.

**REAL**
Discounting method that excludes inflation.

**RECOURSE RATE**
Cost-of-service based rate for natural gas pipeline service that is on file in a pipeline's tariff and is available to customers who do not negotiate a rate with the pipeline company. Also see negotiated rate. (Source: FERC https://www.ferc.gov/resources/glossary.asp#R)

**REFERENCE CASE**
Average annual demand from the forecast results without peak day.

**REGASIFICATION RESOURCE**
Process by which LNG is heated, converting it to a gaseous state. Designed for vaporizing LNG where and when it will be used.

**REGULATOR STATION**
A point on a distribution system responsible for controlling the flow of gas from higher to lower pressures.

**RENEWABLE FUEL**
A power source that is continuously or cyclically renewed by nature, i.e. solar,

wind, hydroelectric, geothermal, biomass, or similar sources of energy.

**ROCKIES INDEX**
Natural gas trading price near the Rocky Mountains.

**SATELLITE LNG FACILITIES**
A facility for storing and vaporizing LNG to meet relatively modest demands at remote locations or to meet short-term peak demands. LNG is usually trucked to such facilities.

**SEASONAL PEAKING SERVICE**
The delivery of gas, firm or interruptible, sold only during certain times of the year, generally when system demands are not high.

**SENDOUT®**
Natural gas planning system from ABB™; a linear programming model used to solve gas supply and transportation optimization questions.

**SERVICE TERRITORY**
Territory in which a utility system is required or has the right to provide natural gas service to ultimate customers.

**SPOT MARKET GAS**
Natural gas purchased under short-term agreements as available on the open market; prices are set by market pressure of supply and demand.

**STANDBY**
Support service that is available, as needed, to supplement a consumer, a utility system, or to another utility to replace normally scheduled power that becomes unavailable.

**STORAGE**
The utilization of facilities for storing natural gas which has been transferred from its original location for the purposes of serving peak loads, load balancing, and the optimization of basis differentials. The facilities are usually natural geological reservoirs such as depleted oil or natural gas fields or water-bearing sands sealed on the top by an impermeable cap rock. The facilities may be man-made or natural caverns. LNG storage facilities generally utilize above ground insulated tanks.

**SUMAS INDEX**
Natural Gas trading price near the city of Sumas, which is on the Washington/Canadian border approximately 25 miles from the Pacific Ocean.

**SWAP**

A financial instrument where parties agree to exchange an index price for a fixed price over a defined period.

**SYNERGI®**
Engineering software used to model piping and facilities to represent current pressure and flow conditions, while also predicting future events and growth.

**TARIFF**
A published volume of regulated rate schedules plus general terms and conditions under which a product or service will be supplied.

**TEA-POT**
Microsoft Excel-based modeling tool developed by Nexant Inc. to determine the Technical/Economic/Achievable Potential savings of various proposed DSM programs.

**TECHNICAL ADVISORY GROUP (TAG)**
Industry, customer, and regulatory representatives that advise Cascade during the IRP planning process.

**TECHNICAL POTENTIAL**
An estimate of all energy savings that could theoretically be accomplished if every customer that could potentially install a conservation measure did so without consideration of market barriers such as cost and customer awareness.

**THERM**
A unit of heating value used with natural gas that is equivalent to 100,000 British thermal units (BTU); also, approximately equivalent to 100 cubic feet of natural gas.

**THROUGHPUT**
The total of all natural gas volume moved through a pipeline system, including sales, company use, storage, transportation, and exchange.

**TRANSCANADA ALBERTA SYSTEM**
Previously known as NOVA Gas Transmission; a natural gas gathering and transmission corporation in Alberta that delivers natural gas into the TransCanada BC System pipeline at the Alberta/British Columbia border; one of six natural gas pipelines Cascade transacts with directly.

**TRANSCANADA BC SYSTEM**
Previously known as Alberta Natural Gas; a natural gas transmission corporation of British Columbia that delivers natural gas between the TransCanada-Alberta System and GTN pipelines that runs from the Alberta/British Columbia border to the United States border; one of six natural

gas pipelines Cascade transacts with directly.

**TRANSPORTATION GAS**
Natural gas purchased either directly from the producer or through a broker, and used for either system supply or for specific end-use customers, depending on the transportation arrangements; NWP and GTN transportation may be firm or interruptible.

**TRC**
Total Resource Cost.

**TSA**
Transportation Service Agreement.

**TURN-BACK CAPACITY**
When natural gas shippers, upon expiration of their contract(s) for pipeline capacity do not renew capacity rights, in whole or in part, with the original pipeline.

**UPSTREAM PIPELINE CAPACITY**
The pipeline delivering natural gas to another pipeline at an interconnection point where the second pipeline is closer to the consumer.

**W&P**
Woods & Poole. An independent firm that specializes in long-term county economic and demographic projections.

**WINTER GAS SUPPLIES**
Gas supply purchased for all (base gas) or part (day gas) of the heating season.

**WITHDRAWAL**
The process of removing natural gas from a storage facility, making it available for delivery into the connected pipelines; vaporization is necessary to make withdrawals from an LNG plant.

**WUTC**
Washington Utilities and Transportation Commission.

**VaR**
Value at Risk. A metric used to quantify uncertainty into a tangible number.

**ZONE**
A geographical area. A geological zone means an interval of strata of the geologic column that has distinguishing characteristics from surrounding strata.

**ZONE - IRP**

For modeling purposes, Cascade's distribution system is divided into several zones. These zones are generally organized by the location of compressor stations on upstream pipelines or by specific weather areas. Where appropriate, the Zone-IRP is separated by state. Please see the chart on the next page that references the citygate/location to the appropriate IRP zone.

| DESCRIPTION | METER | ZONEID | PIPELINE |
|---|---|---|---|
| 7TH DAY ADVENTIST FARM TAP | ADVENSCH | ZONE 10 | NWP |
| A & M RENDERING | AMRENDER | ZONE 30-W | NWP |
| A&W FEED LOT FARM TAP | AWFEED | ZONE 20 | NWP |
| ABERDEEN/HOQUIAM/MCCLEARY | ABRNDHOQ | ZONE 30-S | NWP |
| ACME | ACME | ZONE 30-W | NWP |
| ALCOA, WENATCHEE | ALCOA | ZONE 11 | NWP |
| ARLINGTON | ARLINGTN | ZONE 30-W | NWP |
| ATHENA/WESTON | ATHENA | ZONE ME-OR | NWP |
| BAKER | BAKER | ZONE 24 | NWP |
| BELLINGHAM II | BLLINGII | ZONE 30-W | NWP |
| BELLINGHAM/FERNDALE | BLHAM | ZONE 30-W | NWP |
| BEND TAP | BEND | ZONE GTN | GTN |
| BREMERTON (SHELTON) | BREMERTON | ZONE 30-S | NWP |
| BRULOTTE HOP RANCH | BRULOTTE | ZONE 10 | NWP |
| BURBANK HEIGHTS | BURBANKH | ZONE 20 | NWP |
| CASTLE ROCK | CASTLERK | ZONE 26 | NWP |
| CHEMCIAL LIME | CHEMLIME | ZONE 24 | NWP |
| CHEMULT | CHEM | ZONE GTN | GTN |
| DEHANNS DAIRY FARM TAP | DEHANDRY | ZONE 10 | NWP |
| DEMING | DEMING | ZONE 30-W | NWP |
| EAST STANWOOD | EAST STANWOOD | ZONE 30-W | NWP |
| FINLEY | FINLEY | ZONE 20 | NWP |
| GILCHRIST TAP | GILC | ZONE GTN | GTN |
| GRANDVIEW | GRDVEW | ZONE 10 | NWP |
| GREEN CIRCLE FARM TAP | GRENCIRL | ZONE 26 | NWP |
| HERMISTON | HERMSTON | ZONE ME-OR | NWP |
| HUNTINGTON | HTINGTON | ZONE 24 | NWP |
| KALAMA FARM TAP | KALAMA | ZONE 26 | NWP |
| KALAMA NO. 2 | KALAMA2 | ZONE 26 | NWP |
| KAWECKI, WENATCHEE | KAWECKI | ZONE 11 | NWP |
| KENNEWICK | KENEWICK | ZONE 20 | NWP |
| KOMOS FARMS TAP | KOMO | ZONE GTN | GTN |
| LA PINE TAP | LAPI | ZONE GTN | GTN |

| | | | |
|---|---|---|---|
| LAMBERT'S HORTICULTURE | LAMBERTS | ZONE 10 | NWP |
| LAWRENCE | LAWRENCE | ZONE 30-W | NWP |
| LDS CHURCH FARM TAP | LDSCHURC | ZONE 30-W | NWP |
| LONGVIEW-KELSO | LONGVIEW | ZONE 26 | NWP |
| LYNDEN | LYNDEN | ZONE 30-W | NWP |
| MADRAS TAP | MADR | ZONE GTN | GTN |
| MENAN STARCH | MEMANSTR | ZONE 20 | NWP |
| MILTON FREEWATER | MILFREE | ZONE ME-OR | NWP |
| MISSION TAP | MISSION | ZONE ME-OR | NWP |
| MOSES LAKE | MOS LAKE | ZONE 20 | NWP |
| MOUNT VERNON | MTVERNON | ZONE 30-W | NWP |
| MOXEE CITY | MOXEE | ZONE 11 | NWP |
| NORTH BEND | NBEND | ZONE GTN | GTN |
| NORTH PASCO METER STATION | NPASCO | ZONE 20 | NWP |
| NYSSA-ONTARIO | NYSSA | ZONE 24 | NWP |
| OAK HARBOR/STANWOOD | OAKHAR | ZONE 30-W | NWP |
| OTHELLO | OTHELLO | ZONE 20 | NWP |
| PASCO | PASCO | ZONE 20 | NWP |
| PATERSON | PATERSON | ZONE 26 | NWP |
| PENDLETON | PENDLETN | ZONE ME-OR | NWP |
| PLYMOUTH | PLYMTH | ZONE 20 | NWP |
| PRINEVILLE TAP | PRVL | ZONE GTN | GTN |
| PRONGHORN TAP | PRONGHORN | ZONE GTN | GTN |
| PROSSER | PROSSER | ZONE 10 | NWP |
| QUINCY | QUINCY | ZONE 11 | NWP |
| REDMOND TAP | REDM | ZONE GTN | GTN |
| RICHLAND | RICHLAND | ZONE 20 | NWP |
| SANDVIK, KENNEWICK | SANDVIK | ZONE 20 | NWP |
| SEDRO/WOOLLEY ET AL. | SEDRO | ZONE 30-W | NWP |
| SELAH | SELAH | ZONE 11 | NWP |
| SOUTHRIDGE | STHRDG | ZONE 20 | NWP |
| SOUTH BEND | S BEND | ZONE GTN | GTN |
| SOUTH HERMISTON TAP | SHRM | ZONE GTN | GTN |

| | | | |
|---|---|---|---|
| SOUTH LONGVIEW FIBRE | SOLONG | ZONE 26 | NWP |
| STANFIELD CITY TAP | STTAP | ZONE GTN | GTN |
| STEARNS TAP | STEA | ZONE GTN | GTN |
| SUMAS, CITY OF | SUMASC | ZONE 30-W | NWP |
| SUNNYSIDE | SUNSIDE | ZONE 10 | NWP |
| TOPPENISH ET AL. (ZILLAH) | TOPENISH | ZONE 10 | NWP |
| U & I SUGAR, MOSES LAKE | UI SUGAR | ZONE 20 | NWP |
| UMATILLA | UMATILLA | ZONE ME-WA | NWP |
| WALLA WALLA | WALLA | ZONE ME-WA | NWP |
| WALULA | WALULA | ZONE ME-WA | GTN |
| WENATCHEE | WENATCHE | ZONE 11 | NWP |
| WOODLAND WA | WOODLAND | ZONE 26 | NWP |
| YAKIMA CHIEF FARMS | YAKCHFRM | ZONE 11 | NWP |
| YAKIMA FIRING CENTER | YAKFIRCR | ZONE 11 | NWP |
| YAKIMA/UNION GAP | YAKIMA | ZONE 11 | NWP |

## Maps of System Infrastructure

**Figure 11-1: Map – AECO Hub Storage**

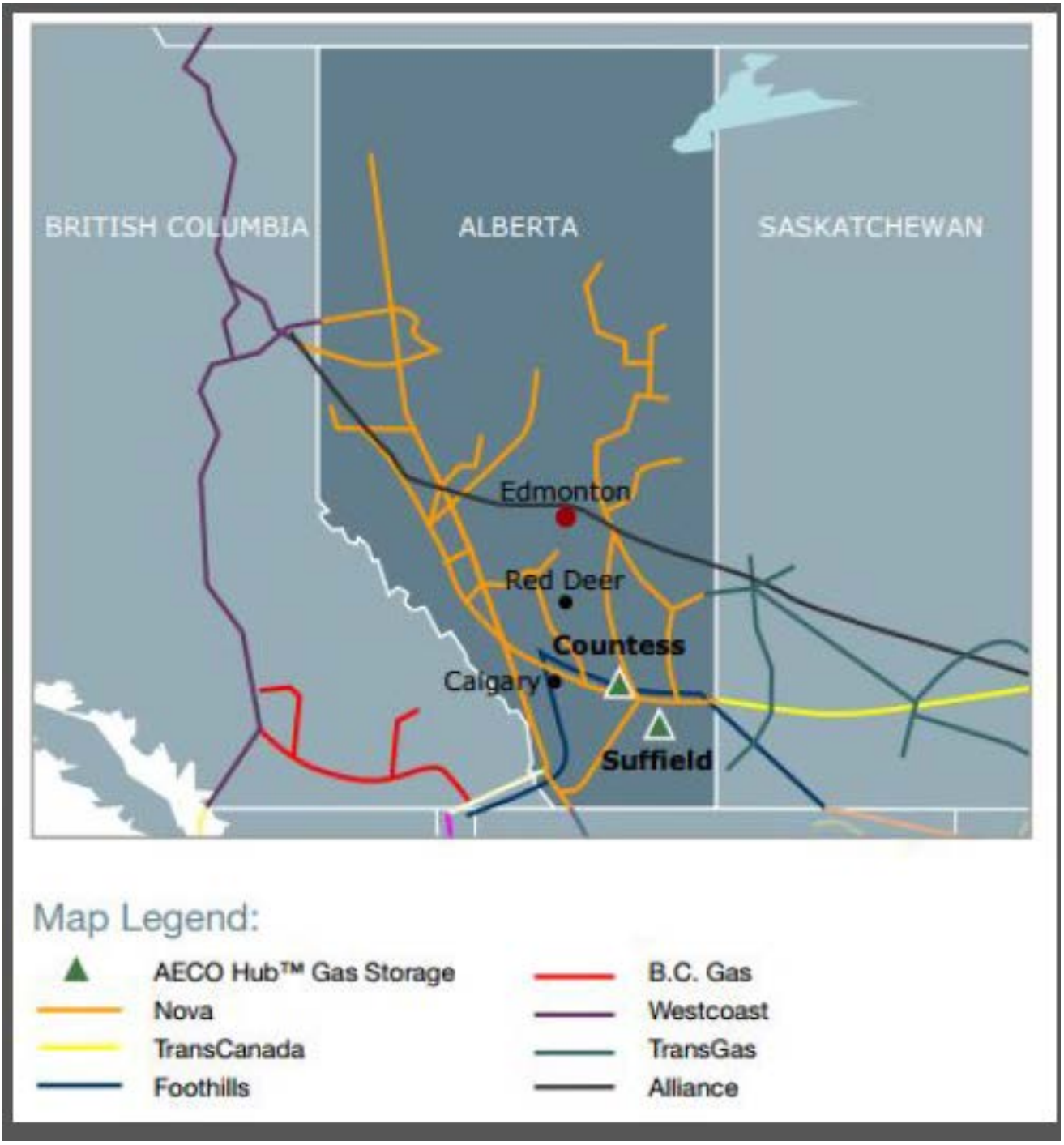


**Figure 11-2: Map – California Storage Map**

**Figure 11-3: Map – Cascade Natural Gas Pipeline System**

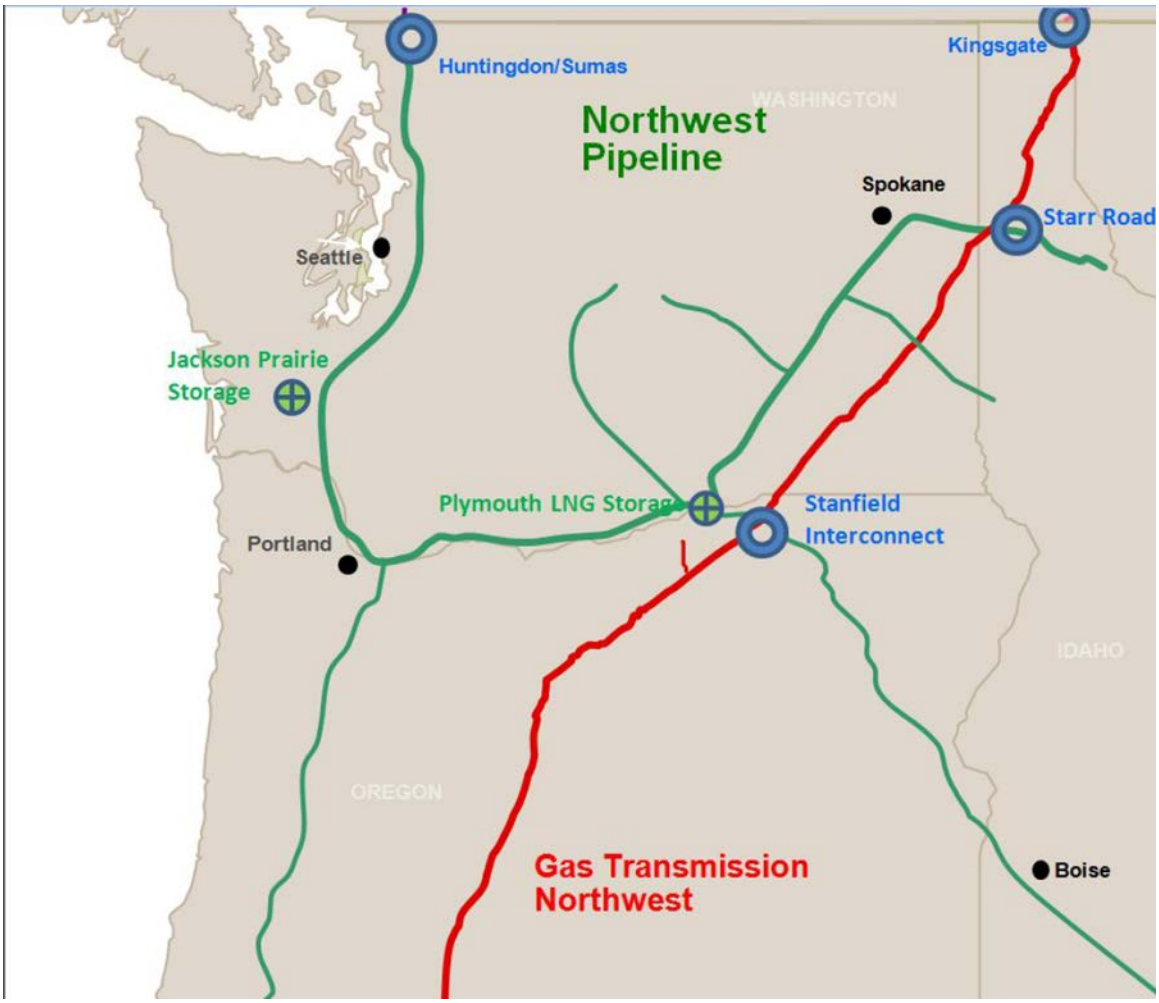


**Figure 11-4: Map – Foothills-British Columbia Map**

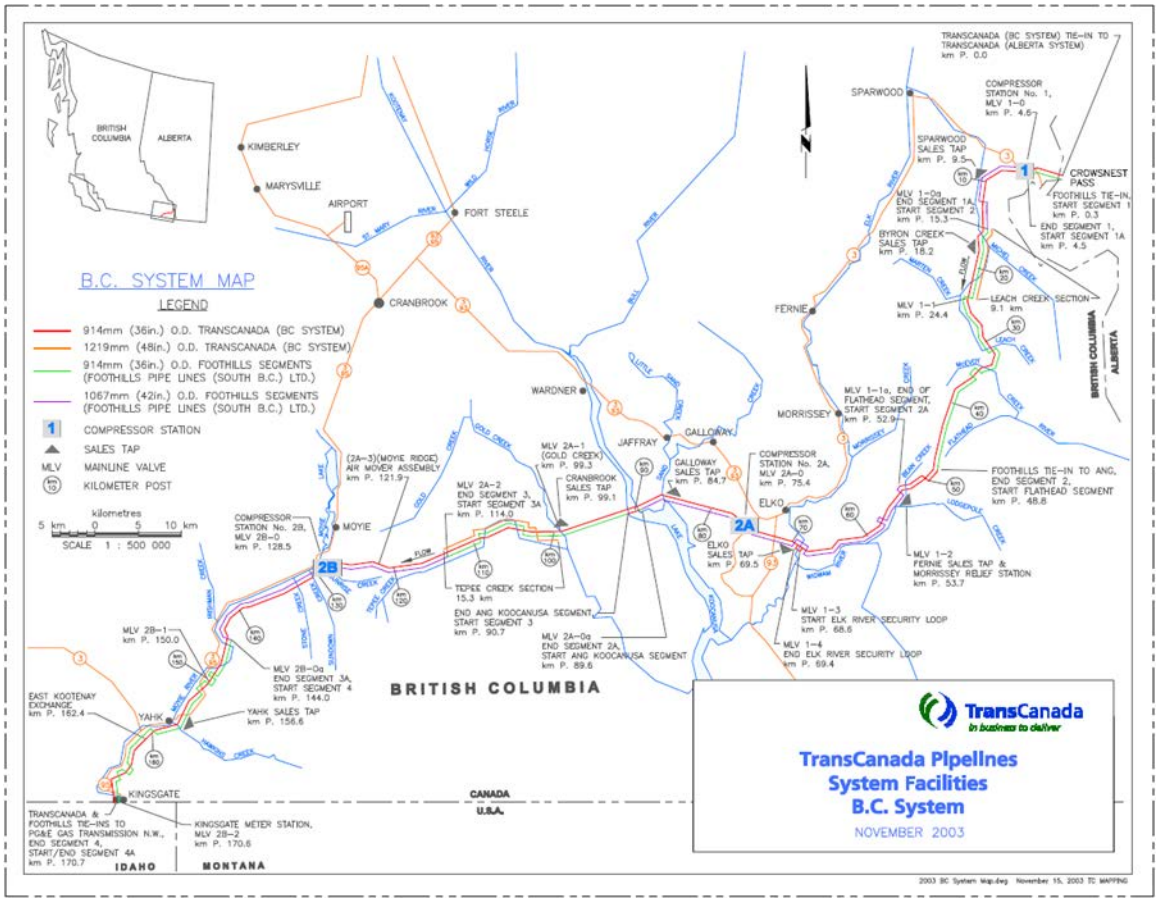


**Figure 11-5: Map – Foothills-British Columbia Map 2**

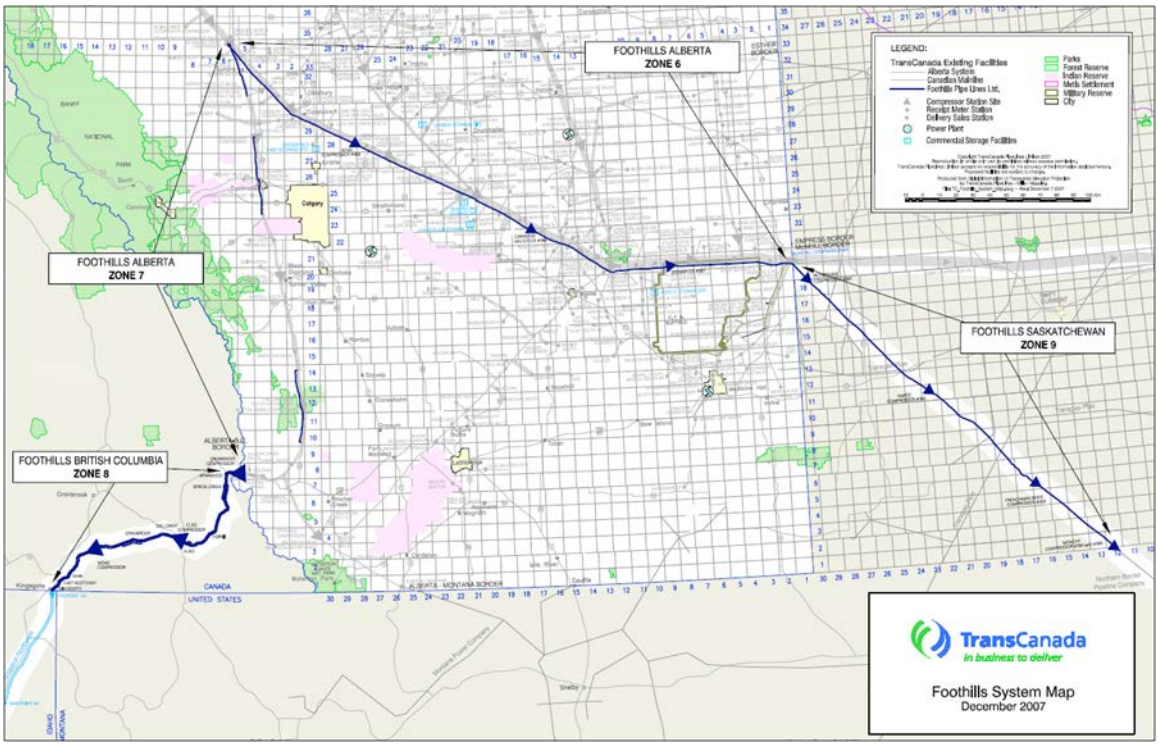


**Figure 11-6: Map – GTN System Map**

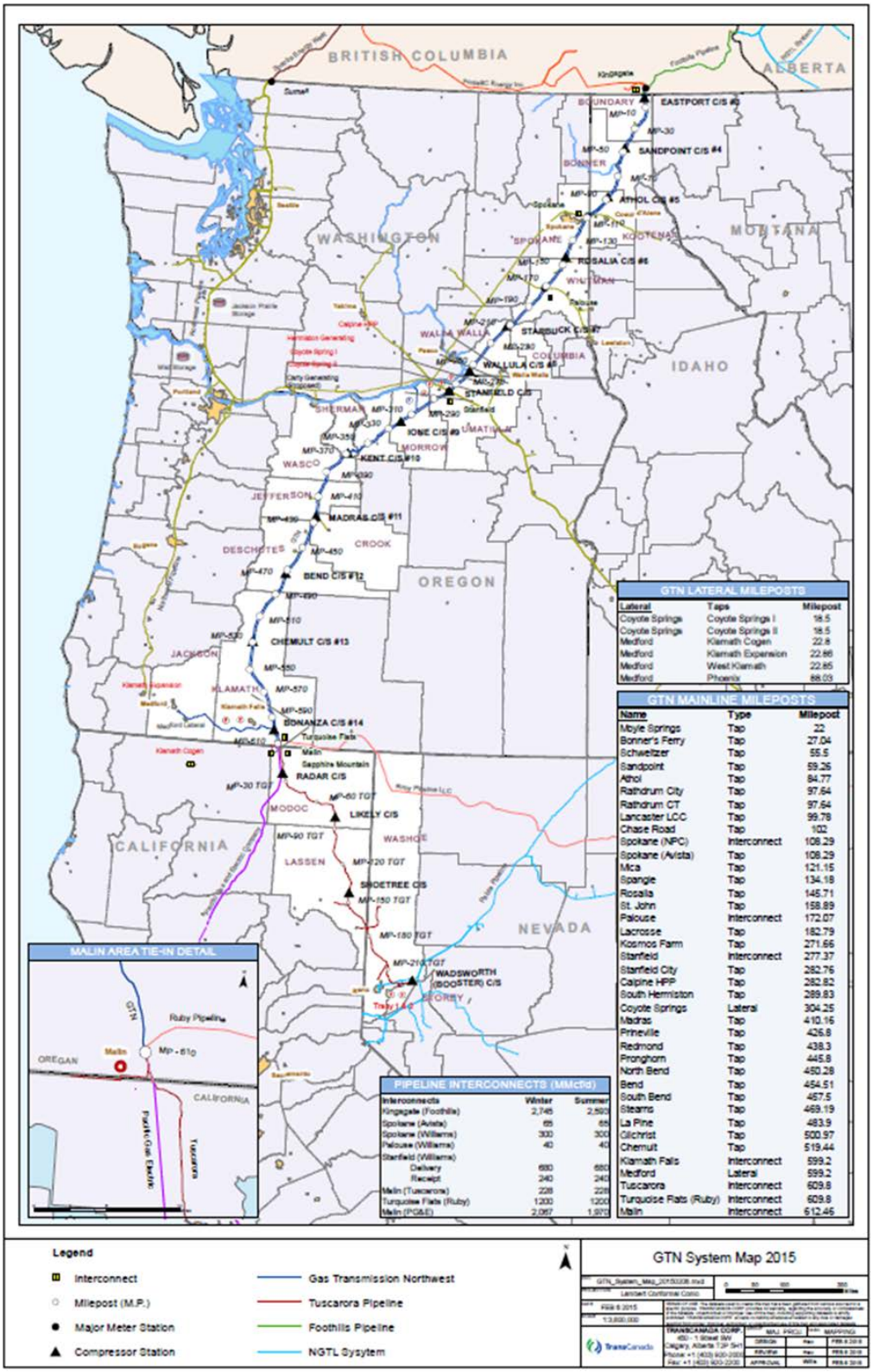
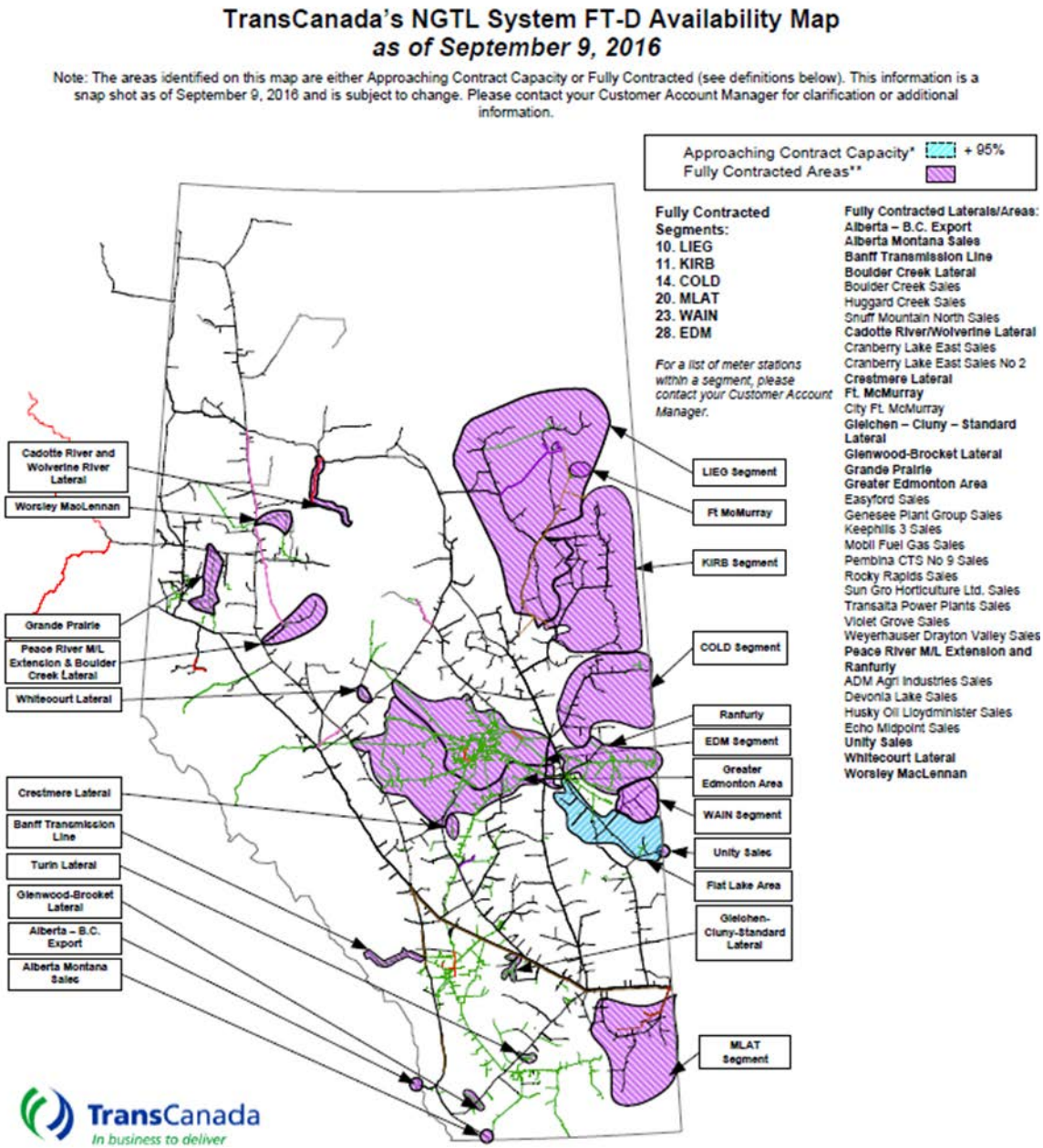
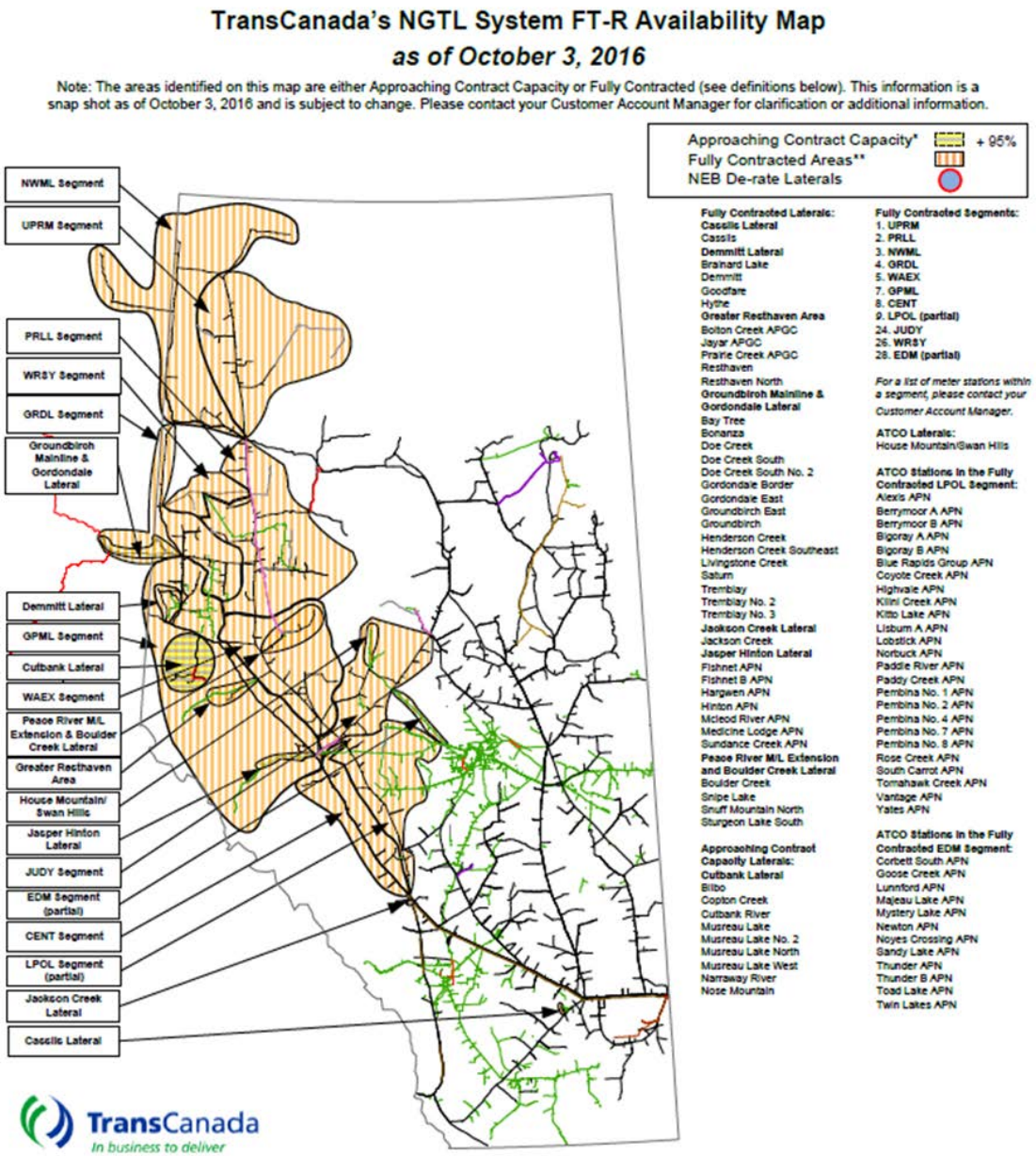


**Figure 11-7: Map – NGTL Delivery System Map**




| | |
|---|---|
| Approaching Contract Capacity* | Contracts are greater than 95% of the area or facility capability. It is recommended that Firm Transfers or New Firm Contracts be confirmed with TCPL Customer Sales. |
| Fully Contracted** | Area is fully contracted. Firm Transfers allowed within restricted area; upstream at 1 to 1 ratio and downstream at determined hydraulic equivalence. New requests for Firm Transportation service will be held pending availability of Area capacity. For additional information refer to the Informational Postings on Customer Express, Delivery Capacity Update – **September 9, 2016.** |
| Capacity within any portion of the NGTL System can become fully contracted at any time and without prior notice. NGTL encourages customers to review their FT-D requirements to ensure that their FT-D levels align with their expected flow requirements. | |

**Figure 11-8: Map – NGTL Receipt System Map**




| | |
|---|---|
| Approaching Contract Capacity* | Contracts are greater than 95% of the area or facility capability. Firm Transfers or New Firm to be confirmed with TCPL Customer Sales. |
| FTR Fully Contracted** | Area is fully contracted. Firm Receipt Transfers allowed within restricted area; downstream at 1 to 1 ratio and upstream at determined hydraulic equivalence. Non-renewable firm service (FT-RN) may be available. For additional information refer to the Informational Postings on Customer Express, Project Area Receipt Capacity Update – July 27, 2016. |
| Capacity within any portion of the NGTL System can become fully contracted at any time and without prior notice. NGTL encourages customers to review their future FT-R requirements to ensure their FT-R levels align with their expected flow requirements. | |

**Figure 11-9: Map – NWP North System Map**

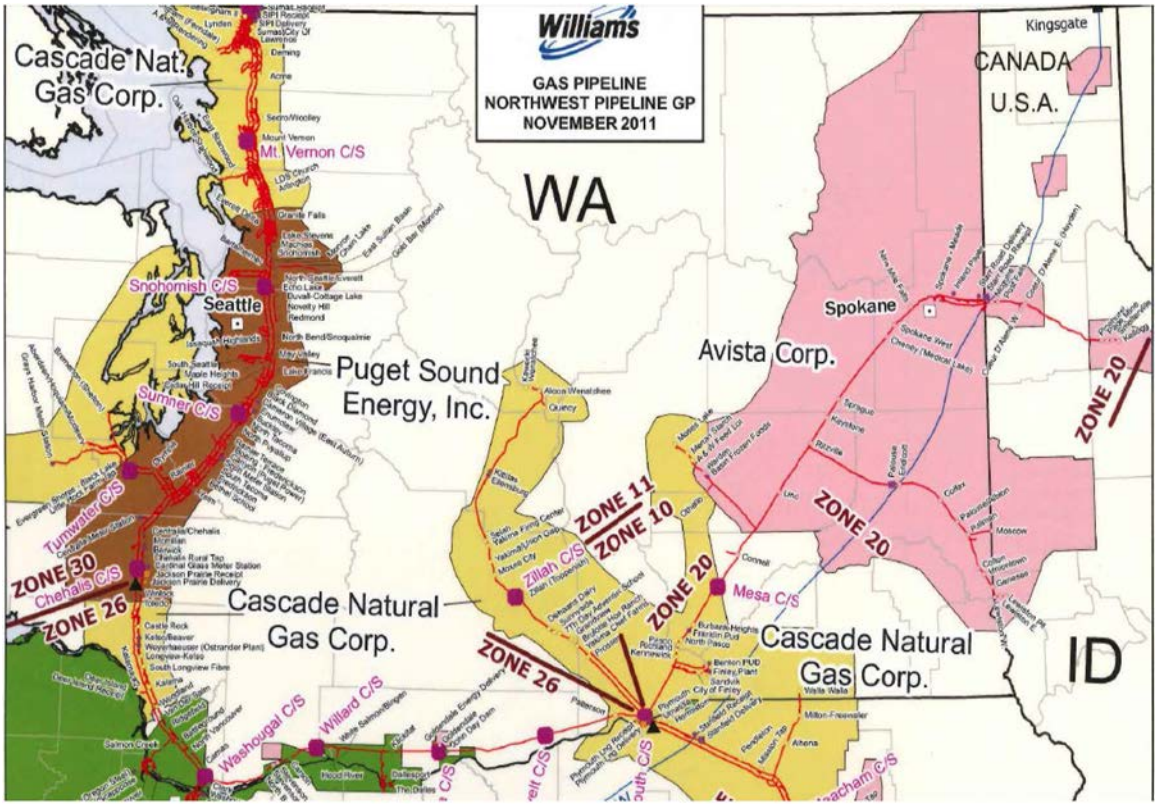


**Figure 11-10: Map – NWP South System Map**

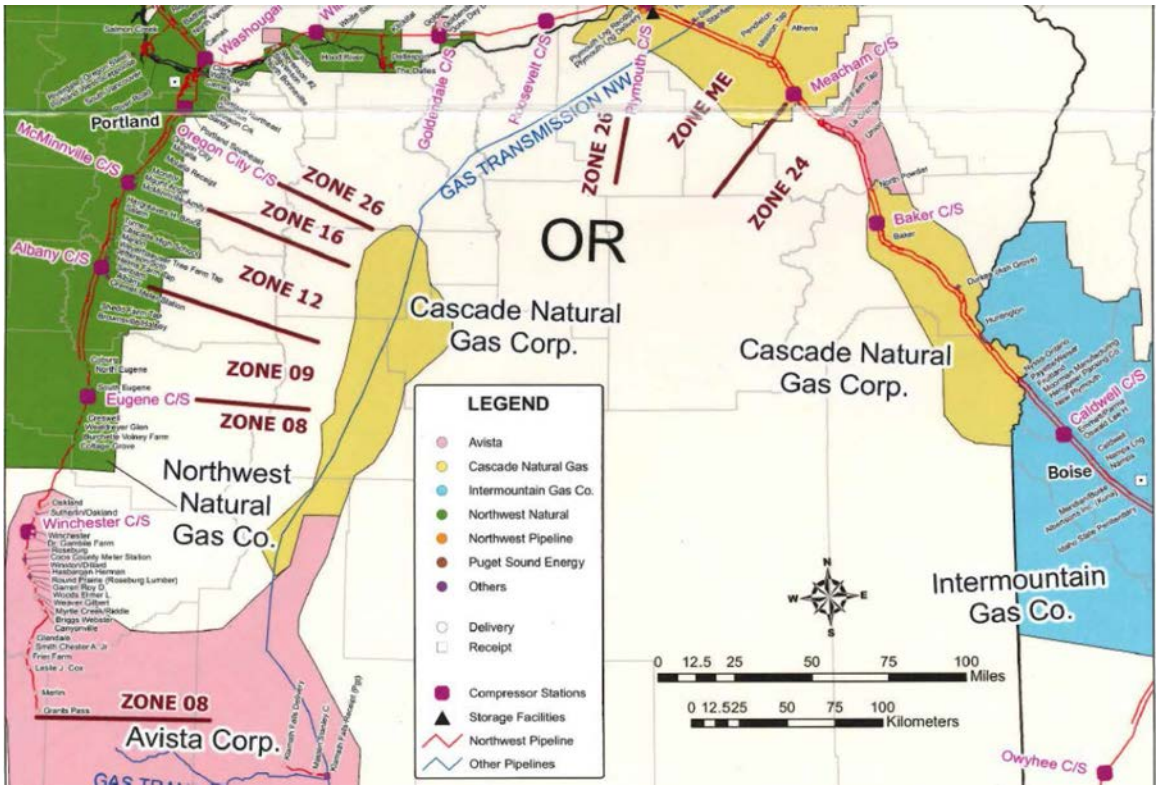


**Figure 11-11: Map – Westcoast Sectional Map**

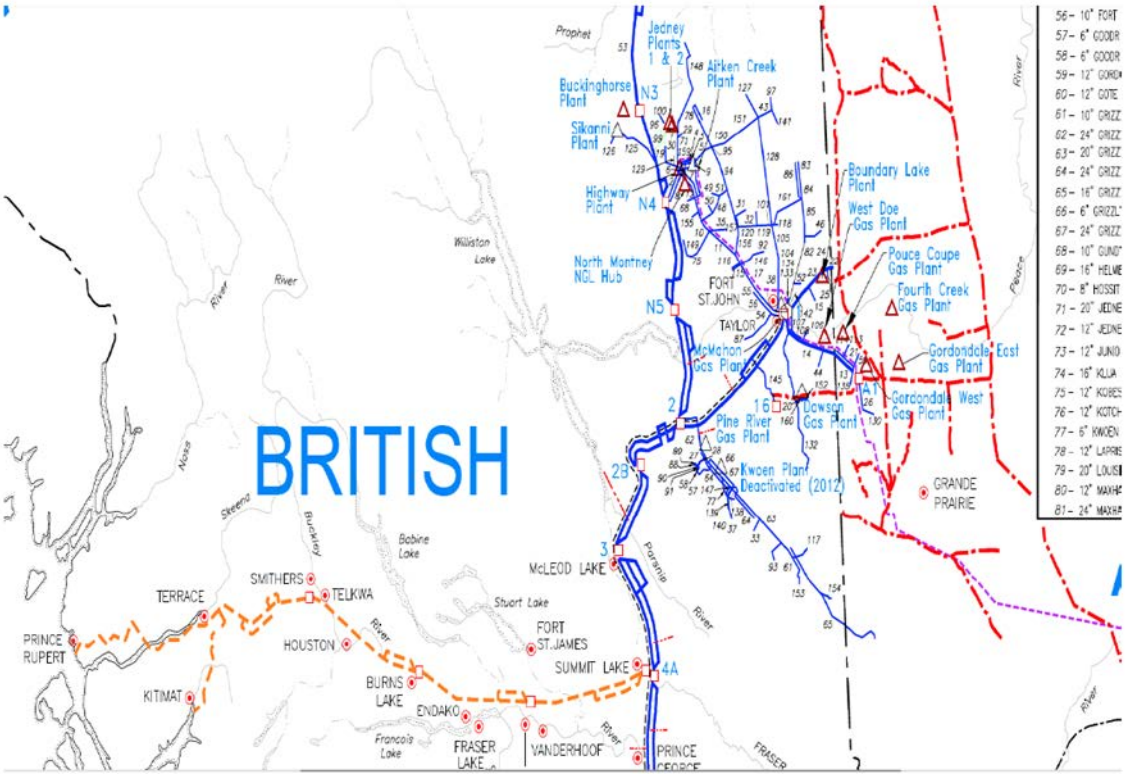


**Figure 11-12: Map – Western U.S. and Canadian Pipeline Map**

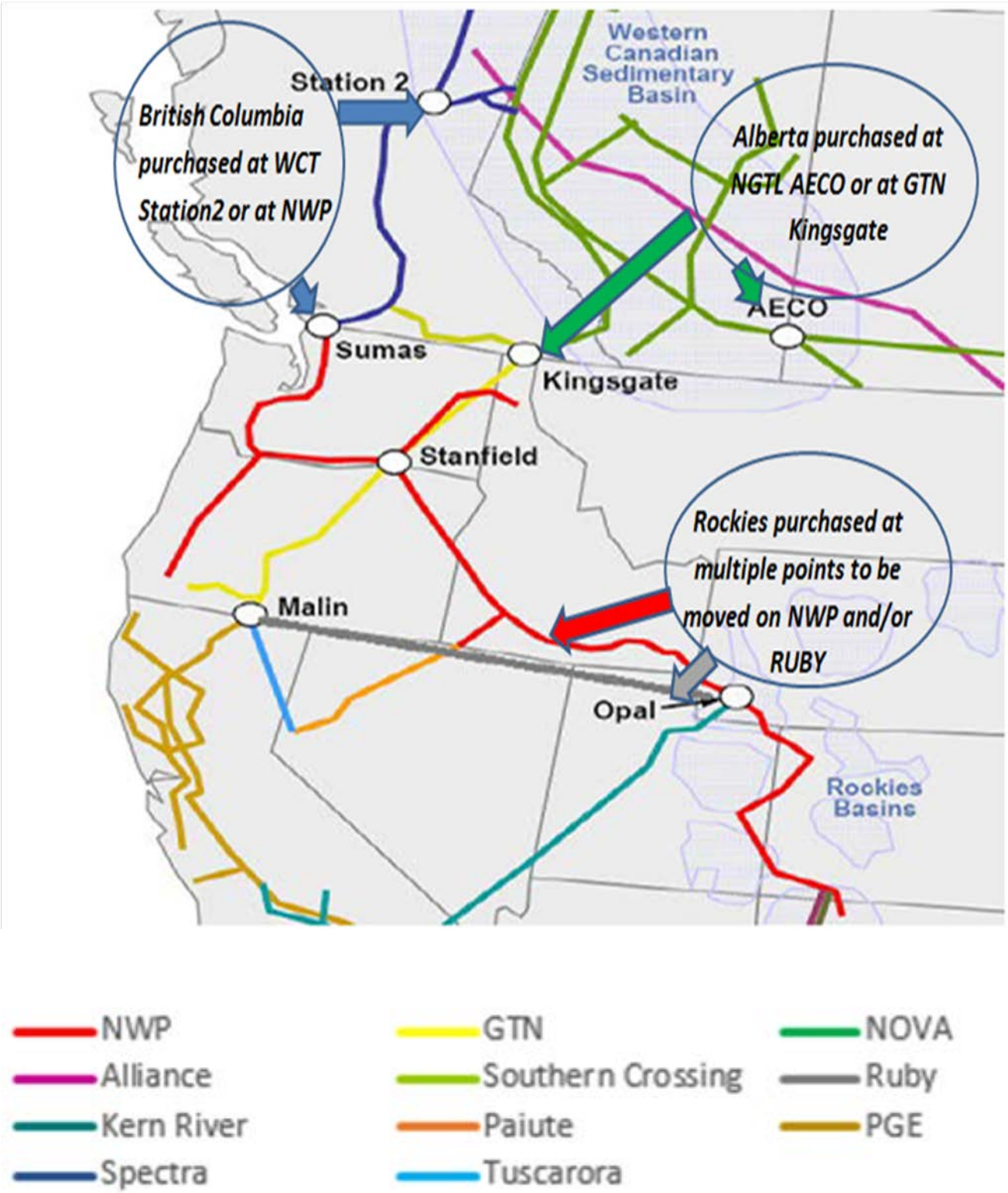
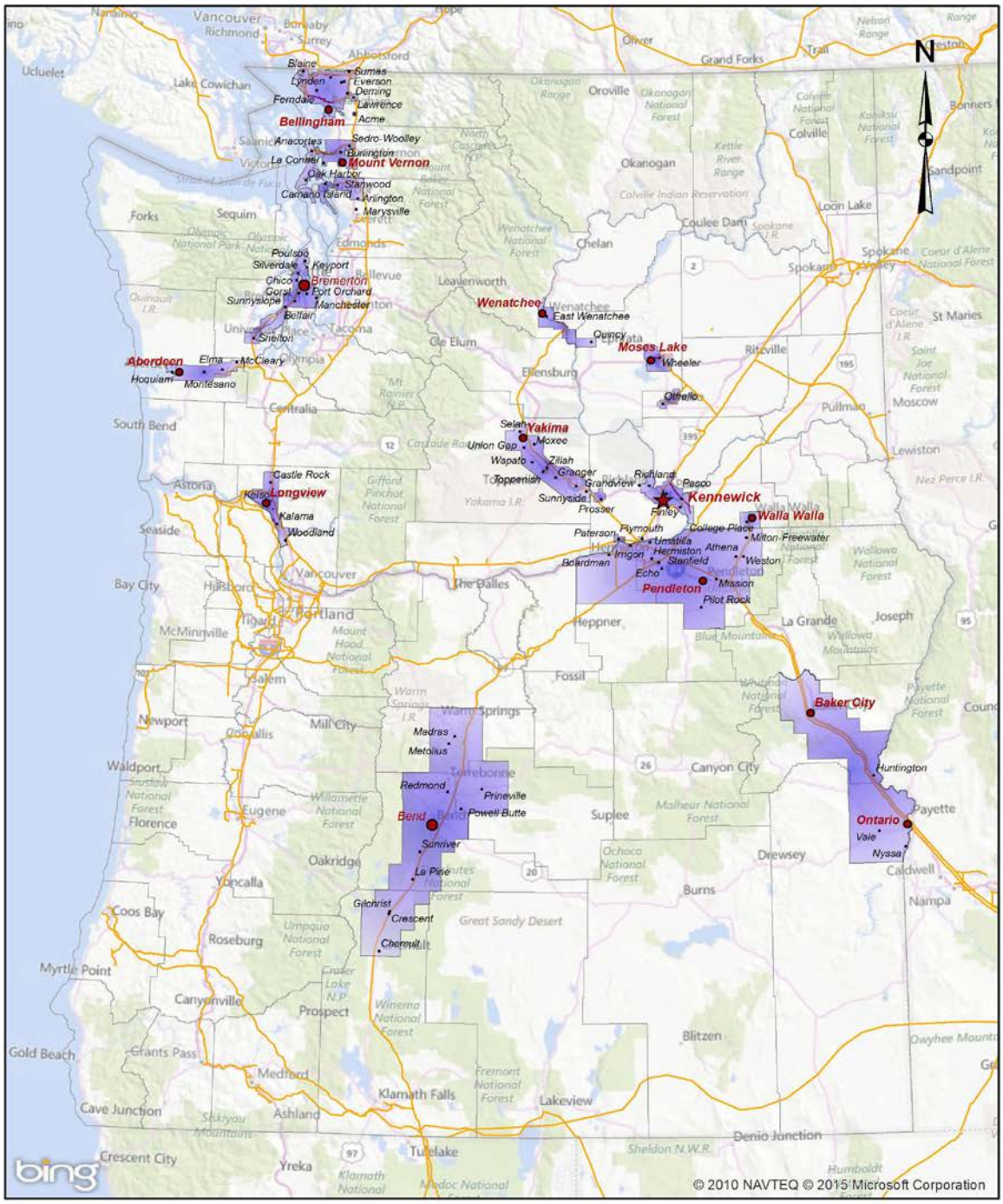


**Figure 11-13: Map – Certificated Service Areas as Specified in RCW 80.28.190**

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# Service Boundaries

**Communities**
- N
- District Office
- Region Office
- General Office

Document Path: G:\Dept\Mapping\SYSTEM MAP\System Map.mxd /Date: 11/13/2015

# Appendix A

# IRP PROCESS

# 2018 OR IRP Final

# Cascade Natural Gas Corporation

## Integrated Resource Plan
## Technical Advisory Group Meeting #1

May 11th, 2017
Oregon Public Utility Commission
Salem, OR

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# Agenda

- Introductions
- About Cascade Natural Gas
  - Resource Decision Making Process Overview
  - Regional Market Intelligence Executive Summary
  - IRP Timeline
  - 2014 IRP issues
- Cascade's Demand Study Overview
  - Key Points
  - Inputs and Data Sources
  - Weather Data
  - Demand Forecast Process
  - Customer Forecast Process
- Cascade Natural Gas Forecast Model
  - ARIMA Models
  - Statistical Analysis
  - Non Weather Dependent Demand
  - Growth Scenarios
  - Weather Scenarios
  - Peak Day
- Cascade Natural Gas Forecast Model Results
- Next Steps





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# A LITTLE HISTORY LESSON…

- Prior to 1955, natural gas was virtually unheard-of in the Pacific Northwest. Seeing an opportunity, Lester Pettit, Spencer Clark, and Stewart Matthews led a group of associates to form a company that would rise to the challenge. Cascade Natural Gas Corporation was incorporated January 2, 1953.
- In July 2007, Cascade was acquired by MDU Resources headquartered in Bismarck, ND.
  - Founded in 1924 as an electric utility in eastern Montana.
  - Core businesses are construction, utilities, and pipeline.
  - Approximately 9,600 employees, operating in 48 states.
  - Operates four utilities across eight states:
    - Montana-Dakota Utilities Co.
    - Great Plains Natural Gas Co.
    - Cascade Natural Gas Corporation
    - Intermountain Gas Co.





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# AND TODAY WE ARE …

- Cascade Natural Gas Corp. serves 282,000 customers in 96 communities – 28 of which are in Oregon and 68 in Washington. Cascade's service areas are concentrated in south central and eastern Oregon, and western and south central Washington.

- Today, Cascade serves a diverse service territory covering more than 32,000 square miles and 700 highway miles from one end of the system to the other. Interstate pipelines transmit Cascade's natural gas from production areas in the Rocky Mountains and western Canada.

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# Resource Decision Making Process Overview

- Construct a range of possible demand forecasts.
- Calculate avoidable distribution system enhancement costs.
- Provide the optimization model with the existing supply side and demand side resource options to meet demand.
- Run the optimization model to identify resource needs including the types of resources and their timing requirements. The existing portfolio is modeled under a range of demand forecast conditions.
- Identify incremental supply and demand side resources to satisfy a range of incremental growth scenarios.





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# Regional Market Outlook

- Cascade conducted a public meeting on April 18th, 2017 to present its 2014 IRP Update to the Oregon Public Utility Commission's Commissioners and other interested parties. The meeting was held in Salem, Oregon.
- FERC Commissioner Colette Honorable will not seek another term after June 30. FERC will be down to only one commissioner, limiting its ability to regulate projects moving forward.
- The gas futures market indicates a very bearish outlook towards natural gas pricing in the four major basins Cascade purchases gas from over the next three years.





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# Regional Market Outlook (Cont.)

- There are many economic indicators that point to a stable and healthy world economic outlook. Wood Mackenzie has identified three potential pitfalls, however, that could lead to a loss of anywhere between $2.2 trillion and $3.6 trillion of potential global GDP growth by 2021.
- According to the reference case of the EIA 2017 Annual Energy Outlook, natural gas is projected to lead the power sector in gross energy consumption over the next 20+ years.
- Currently, the major Columbia Basin reservoirs range from a height of 916.44 feet to a height of 1569.35 feet, while the five major Oregon River Basins range from 88%-100% filled.





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# Regional Market Outlook (Cont.)

- On April 10th, 2017 the city of Portland, OR. and surrounding Multnomah County, OR. pledged to power the region exclusively with green energy by mid-century. The plan foresees first shifting to 100% renewable electricity by 2035, then moving to electric and other renewable fuels for transportation, heating and cooling by 2050.
- National net injections into storage totaled 74 Bcf, compared with the five-year (2012–16) average net injection of 57 Bcf and last year's net injections of 64 Bcf during the same week.
- NGTL is preparing to launch an open season for capacity near the Alberta- B.C. Border. Currently they are expected to open up to 408,000 GJ/d and will be accepting bids from May 5th through May 31st, 2017.





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# Draft 2018 IRP Timeline

| Date | Process Element | Location (Subject to change) |
|---|---|---|
| Thursday, May 4, 2017 | TAG 1 slides distributed to stakeholders | |
| **Thursday, May 11, 2017** | **TAG 1: Process, Key Points, IRP Team, Timeline, Regional Market Outlook, Demand Forecast, Plan for dealing with issues raised in 2014 IRP, Drilling down into segments of demand forecast.** | **OPUC Offices Salem OR 9am-12pm** |
| Wednesday, July 12, 2017 | TAG 2 slides distributed to stakeholders | |
| **Wednesday, July 19, 2017** | **TAG 2: Distribution System Planning, Planned Scenarios and Sensitivities, Alternative Resources, Price Forecast, Avoided Costs. Current Supply Resources, Transport Issues.** | **OPUC Offices Salem OR 9am-12pm** |
| Thursday, August 31, 2017 | TAG 3 slides distributed to stakeholders | |
| **Thursday, September 7, 2017** | **TAG 3 Carbon Impacts, Conservation (ETO), Preliminary Resource Integration Results, Proposed new 2 year Plan** | **Portland International Airport Conference Center 9am-3pm** |
| Wednesday, October 11, 2017 | TAG 4 slides distributed to stakeholders | |
| **Thursday, October 19, 2017** | **TAG 4: Final Integration Results, finalization of plan components** | **OPUC Offices Salem OR 9am-12pm** |
| Monday, November 6, 2017 | Draft of 2018 IRP distributed | |
| Tuesday, December 5, 2017 | Comments due on draft from all stakeholders | |
| Wednesday, December 20, 2017 | TAG 5, if needed | WebEx Only |
| Monday, January 22, 2018 | Executive Summary Presentation to Senior Management | Kennewick, WebEx |
| Thursday, January 25, 2018 | IRP filing in Oregon | |



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Section 3 – Demand Forecasting

Section 4 – Supply-Side Resources

Section 5 – Environmental Considerations

Section 6 – Avoided Costs

Section 7 – Demand Side Management

Section 8 – Resource Integration

Section 9 – Distribution System Planning

Section 10 – Stakeholder Engagement

Section 11 – Regulatory Compliance

Section 12 – Two-year Action Plan

Section 13 – Glossary and Miscellaneous References





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Appendix B - Demand Forecast
Appendix C - IRP Guideline Compliance
Appendix D - Demand Side Management
Appendix E - Current and Alternative Supply Resources
Appendix F - Capacity Requirements & Peak Day Planning
Appendix G - Weather & Price Uncertainty Analyses
Appendix H - Avoided Cost Calculations
Appendix I – Response to Comments



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# IRP Team

Cascade is fully committed to the IRP process

**A restructuring of the Resource Planning department was implemented in Spring 2016:**

- **Two new IRP analyst positons were approved by Cascade senior management.**
- **One analyst hired in July 2016; the second analyst is scheduled to report to work on May 16, 2017.**
- **These incremental positions join the Manager of Resource Planning and the Sr. Resource Planning Analyst to form the principle IRP team for Cascade.**
- **Cascade has secured the services of an IRP consultant, Bruce W Folsom Consulting LLC, to assist with IRP activities by improving the process and providing support, allowing time for Cascade to properly develop new staff.**

In addition to expanding the Resource Planning team, the Company created an IRP Steering Committee to provide senior management oversight of the internal IRP process. This Steering Committee includes three VPs and two Directors.

Significant contributions are also made by internal staff in support of the IRP. These departments include Conservation, Engineering, Finance & Accounting, Gas Supply/Gas Control, Regulatory, Industrial Services, Information Technology and the Executive team.



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# CNGC'S 2018 IRP TAG PARTICIPANTS

- INTERNAL CASCADE IRP TEAM
- MEMBERS OF THE OPUC STAFF
- CITIZENS' UTILITY BOARD
- NORTHWEST GAS ASSOCIATION
- NORTHWEST INDUSTRIAL GAS USERS
- REGIONAL LDCS
- REGIONAL PIPELINES
- MEMBERS OF THE PUBLIC



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# IRP GUIDELINES AND CONTENT

OREGON
IRP Guidelines under order No. 07-002 as set forth in the Oregon Administrative Rule (OAR) 860-027-0400.

CASCADE'S BASIC PHILOSOPHY
Primary purpose of Cascade's long-term resource planning process has been, and continues to be, to inform and guide the Company's resource acquisition process, consistent with state regulatory requirements.

Input and feedback from the Company's Technical Advisory Group (TAG) is an important resource to help ensure that CNGC's IRP is developed from a broader perspective than Cascade could have on its own.

In response to the issues identified with the 2014 IRP, Cascade has strengthened its commitment to securing and supporting the appropriate internal and external resources necessary to work with all stakeholders to produce a 2018 Integrated Resource Plan that meets the requirements of order No. 07-002.





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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Staff recommends that, in Cascade's IRP Update, due one year from the acknowledgement order for this IRP, Cascade present an Action Plan with Action Items meeting IRP Guideline 3n, and revise Action Items 1 and 9 to be specific and measurable, in addition, Staff recommends that, in Cascade's IRP Update, Cascade include the missing central Oregon shortfall resolution action item in the Action Plan (LC-59 Order No. 16-054 Appendix A Page 3 of 13)
  - **CASCADE HAS ADDRESSED THIS IN THE 2014 IRP UPDATE.**

- Clearly show the plan to acquire all cost effective energy efficiency (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO DISCUSS ITS COST EFFECTIVE ENERGY EFFICENCY MEASURES BY TAG 3.**

- Provide complete conservation resource potential results and inputs specific to Cascade only, not including results of other Energy Trust territories or for measures that do not apply to Cascade territory (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO DISCUSS ITS UNIQUE CONSERVATION RESULTS AND INPUTS BY TAG 3.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Provide updated data and explanations for the policies and methodologies used to inform the DSM analysis (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL PROVIDE UPDATED DATA AND EXPLANATIONS RELATED TO ITS DSM ANALYSIS TO STAKEHOLDERS BY TAG 3.**

- Incorporate commercial market transformation savings similar to residential methods and include an explanation for how those assumptions are derived and applied within the IRP (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO DISCUSS ITS COMMERCIAL MARKET TRANSFORMATION PROGRAMS BY TAG 3.**

- Clearly document assumptions behind capacity contribution of energy efficiency and how the capacity value is incorporated into resource planning (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL DISCUSS ANY ASSUMPTIONS RELATED TO CAPACITY CONTRIBUTON OF ENERGY EFFICENCY DURING TAG 3.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Provide an explanation regarding how annual energy savings are translated into peak day demand and capacity resources (LC-59 Order No. 16-054 Appendix A Page 5 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO DISCUSS HOW ENERGY SAVINGS ARE TRANSLATED TO PEAK DAY DEMAND AND CAPACITY RESOURCES BY TAG 3.**

- Future Cascade IRPs include portfolio analyses and present the analysis results clearly delineating the three analysis steps, and how those steps progressively lead to identification of the preferred portfolio of resources (LC-59 Order No. 16-054 Appendix A Page 8 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO CLEARLY IDENTIFY BY TAG 4 ITS ANALYSIS STEPS, AND HOW THOSE STEPS LEAD TO THE IDENTIFICATION OF THE PREFERRED PORTFOLIO.**

- Future Cascade IRPs perform and clearly present this trade-off analysis. (LC-59 Order No. 16-054 Appendix A Page 8 of 13)
  - **BY COMPLETION OF TAG 4 CASCADE WILL WORK WITH STAKEHOLDERS TO ENSURE THAT THE ANALYSIS PERFORMED BY THE COMPANY TO DERIVE THE PREFERRED PORTFOLIO IS CLEARLY PRESENTED IN ITS IRP.**



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# RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- In Cascade's IRP Update, Cascade resolve the apparent conflict, noted in Staffs Initial comments, between the Oregon resource deficiency depicted in Figures 7-B-2 and 7-C-2 and described in the LC 54 Second Supplemental Update, and the Appendix Section F load-resource balance figures (LC-59 Order No. 16-054 Appendix A Page 8 of 13)
  - **CASCADE HAS ADDRESSED THIS IN ITS 2014 IRP UPDATE.**

- Future Cascade IRPs provide a clear, complete, and concise presentation of the portfolio analysis results in a single section of the IRP (LC-59 Order No. 16-054 Appendix A Page 8 of 13)
  - **BY COMPLETION OF TAG 4 CASCADE WILL WORK WITH STAKEHOLDERS TO ENSURE THAT THE ANALYSIS PERFORMED BY THE COMPANY TO DERIVE THE PREFERRED PORTFOLIO IS PRESENTED IN A CLEAR AND CONCISE MANNER, IN A SECTION SOLELY DEDICATED TO INTEGRATION RESULTS.**

- In Cascade's IRP Update, Cascade present an analysis to show how much the peak day load could be reduced or delayed by accelerated DSM and recallable service agreement programs (LC-59 Order No. 16-054 Appendix A Page 8 of 13)
  - **CASCADE HAS ADDRESSED THIS IN ITS 2014 IRP UPDATE.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Staff recommends that Cascade work with Staff and other interested parties to develop a comprehensive database comprising of both economic and weather variables such as price, income, employment, different Heating Degree Days (HDD) cutoffs, seasonality, etc., and formulate alternative regression models to identify the drivers of the forecasted values and plausibility of the parameter estimates relative to the economic theory on demand for natural gas (LC-59 Order No. 16-054 Appendix A Page 9 of 13)
  - **CASCADE HAS COMPILED AND TESTED DATA ON EMPLOYMENT, POPULATION, HOUSING STARTS, SEASONALITY, AND OTHER VARIABLES, AND WOULD LIKE FEEDBACK FROM STAKEHOLDERS AT THIS MEETING REGARDING DIFFERENT HDD CUTOFFS. CASCADE HAS MADE ENHANCEMENTS TO ITS MODELING PRACTICES, WHICH WILL BE DISCUSSED IN THIS TAG MEETING.**

- Staff recommends that future Cascade IRPs include detailed descriptions of, and basis for, the gas purchasing plan and hedging strategy, as well as the gas purchasing risk management plan/policy/strategy (LC-59 Order No. 16-054 Appendix A Page 10 of 13)
  - **CASCADE WILL ADD A NEW APPENDIX TO THE 2018 IRP TO SHARE THIS INFORMATION WITH INTERESTED STAKEHOLDERS, SUBJECT TO CONFIDENTIAL TREATMENT WHERE APPLICABLE.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Staff also recommends that in the next IRP, Cascade comprehensively describe the rationale by which it chooses the hedging percentage levels, including upper limits of hedged gas based on the market environments (e.g,, price levels, volatility, etc.), Cascade's risk tolerance (e.g,, tolerance bands of potential losses), etc. In the meantime, Staff recommends that Cascade continue to apprise Staff and other parties during the recurring quarterly meetings of changes in the hedged gas percentage levels (LC-59 Order No. 16-054 Appendix A Page 10 of 13)
  - **CASCADE WILL ADD A NEW APPENDIX TO THE 2018 IRP TO SHARE THIS INFORMATION WITH INTERESTED STAKEHOLDERS, SUBJECT TO CONFIDENTIAL TREATMENT WHERE APPLICABLE. CASCADE WILL ALSO PROVIDE AN UPDATE REGARDING ITS PLANS TO COMPLY WITH THE WUTC HEDGING POLICY BY TAG 4 OF ITS 2018 OREGON IRP.**

- Staff recommends that future Cascade IRPs present separate listings of enhancement projects from the other projects (LC-59 Order No. 16-054 Appendix A Page 11 of 13)
  - **CASCADE WILL PROVIDE A MORE COMPREHENSIVE LISITING OF ENCHANCEMENT PROJECTS IN THE DISTRIBUTION SYSTEM PLANNING PORTION OF THE 2018 IRP NARRATIVE.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Staff recommends for future IRPs that Cascade inform the Commission in its IRP of the price of renewable natural gas as compared to traditional source of natural gas, and report to the Commission how much renewable natural gas it purchased between the IRP filing years (LC-59 Order No. 16-054 Appendix A Page 12 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO PRESENT AN ANALYSIS OF THE COST OF RENEWABLE NATURAL GAS VERSUS TRADITIONAL SOURCES BY TAG 3.**

- Staff also recommends that Cascade report its EPA's Greenhouse Inventory Report information to the Commission in each of its future IRPs for each year preceding each IRP (LC-59 Order No. 16-054 Appendix A Page 12 of 13)
  - **CASCADE WILL WORK WITH STAKEHOLDERS TO PRESENT ITS GREENHOUSE INVENTORY REPORT BY TAG 3.**

- Staff recommends that Cascade evaluate its staffing approach and make changes where needed, to ensure that its required regulatory IRP activities are performed on schedule and in compliance with Commission requirements (LC-59 Order No. 16-054 Appendix A Page 12 of 13)
  - **CASCADE WILL DISCUSS STAFFING DURING THIS TAG MEETING.**



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## RESOLVING THE 2014 ISSUES WITH THE 2018 IRP

- Staff recommends that future IRPs use the Executive Summary to summarize the contents of the IRP, rather than to present additional information. (LC-59 Order No. 16-054 Appendix A Page 13 of 13)
  - **CASCADE WILL UTILIZE THE EXECUTIVE SUMMARY TO PROVIDE A CLEAR, CONCISE SNAPSHOT OF ITS 2018 IRP.**



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# CASCADE DEMAND STUDY

High Level overview of the 20-Year demand forecast



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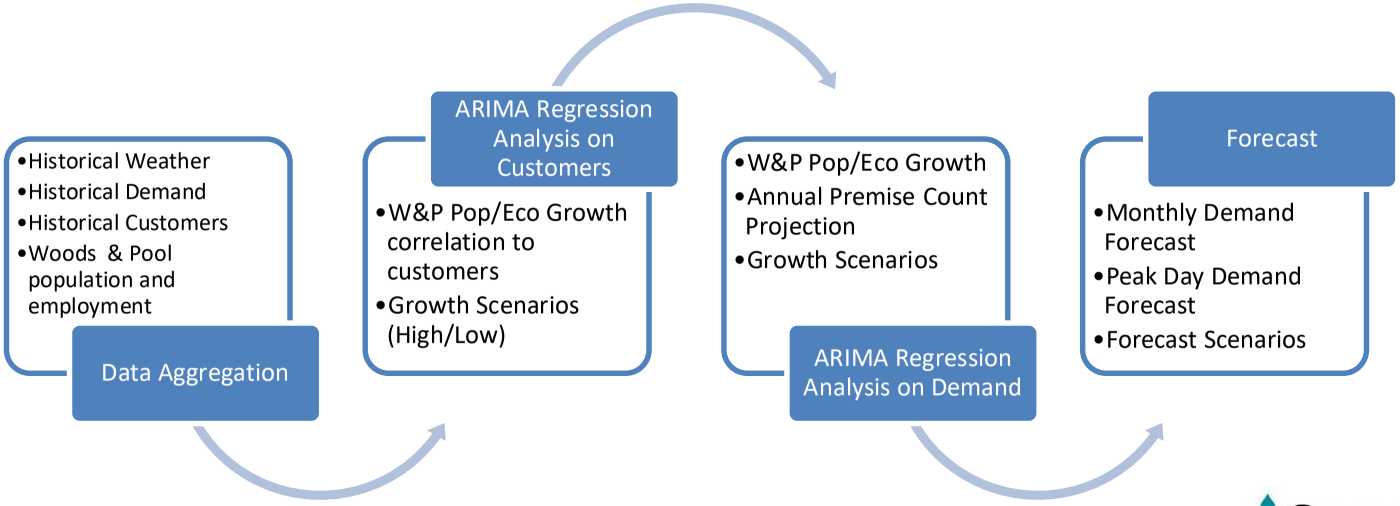
# Overview

- The Cascade demand forecast developed for the IRP is a forecast of customers, core natural gas demand, and core peak demand for the next 20 years.
- Cascade's core load consists of approximately 53% residential, and 47% commercial and industrial.



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# Overview (Cont.)

- Forecast demand at the citygate and citygate loop level.
- Citygate loops are a group of citygates that service a similar area that are forecasted together due to pipeline operations.
- Cascade allocates each citygate to either the nearest weather location or the weather location with geographic similarity.
- Forecasts are separated into four rate classes: Residential, Commercial, Industrial, and Core Interruptible.





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# Key Points

- Cascade's demand is principally weather and customer driven; the colder the weather or greater the customer count, the greater the demand.
- This forecast uses 30 years of recent weather history as the "normal" temperatures.
- Forecasted under various weather and growth scenarios – average year, cold year, warm year, extreme cold day, high growth, low growth, etc.
- Analyze weather and demand for each of 55 citygates and citygate loops that serve core customers.
- Heating demand does not appreciatively start until average temps dip below 60° F, therefore a 60° F threshold is used.



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# Input Data

- Historical Demand
  - Pipeline actuals (Electronic Bulletin Board or EBB)
  - Gas Management System (Aligne, formerly GMS)
  - Customer Care and Billing (CC&B)
- Weather
  - Schneider Electric
- Population and Economic
  - Woods & Poole
  - Acquiring local market intelligence
- Customer Count
  - CC&B





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# Weather Data

- Define weather in terms of HDDs (Heating Degree Day).
- 30 years of weather data for seven weather stations was used to make weather scenarios.
- Weather data is from Schneider Electric.
- Assign a weather station to each citygate or citygate loop.



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# Heating Degree Day (HDD)

- HDD is used as the unit of measure for weather in the linear regression analysis.
- HDD is calculated by:
  - Determine average high and low temperature for a given day.
  - Daily average is subtracted from an HDD threshold (for example 60°F).
  - If this produces a negative number, a value of zero is assigned.
- Example:
  - Daily high temperature = 60°F; Daily low temperature = 50°F
  - Calculate average → 55°F
  - Subtract from HDD threshold (we will use 60): 60-55 = 5
  - This example day has 5 HDDs





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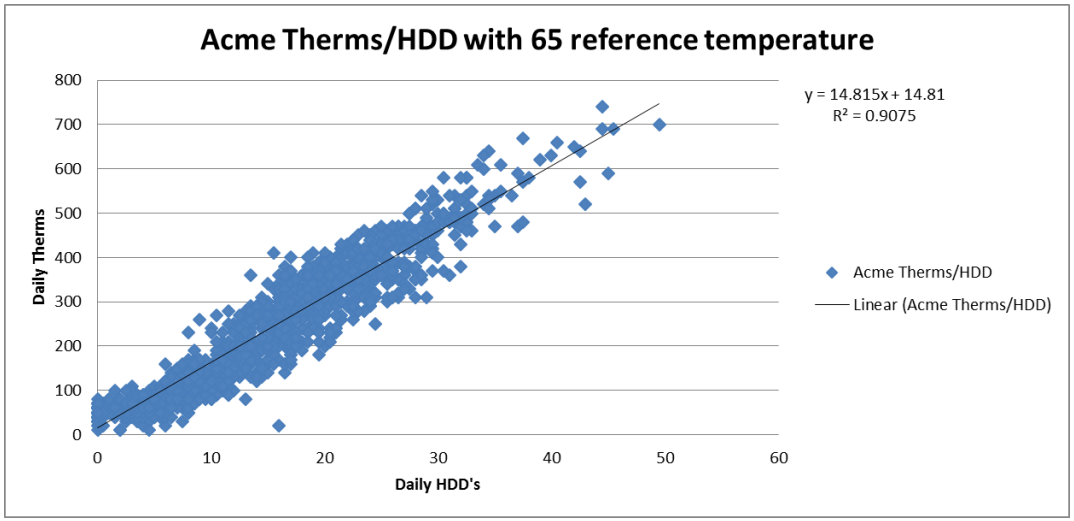
# 65 vs 60 HDD Threshold

- The historical threshold for calculating HDD has been 65°F .
- It was determined that lowering the threshold to 60°F produces better results for Cascade's service territory.
- The graph shows that heating demand does not begin to increase until an HDD of five if the traditional 65°F is utilized.





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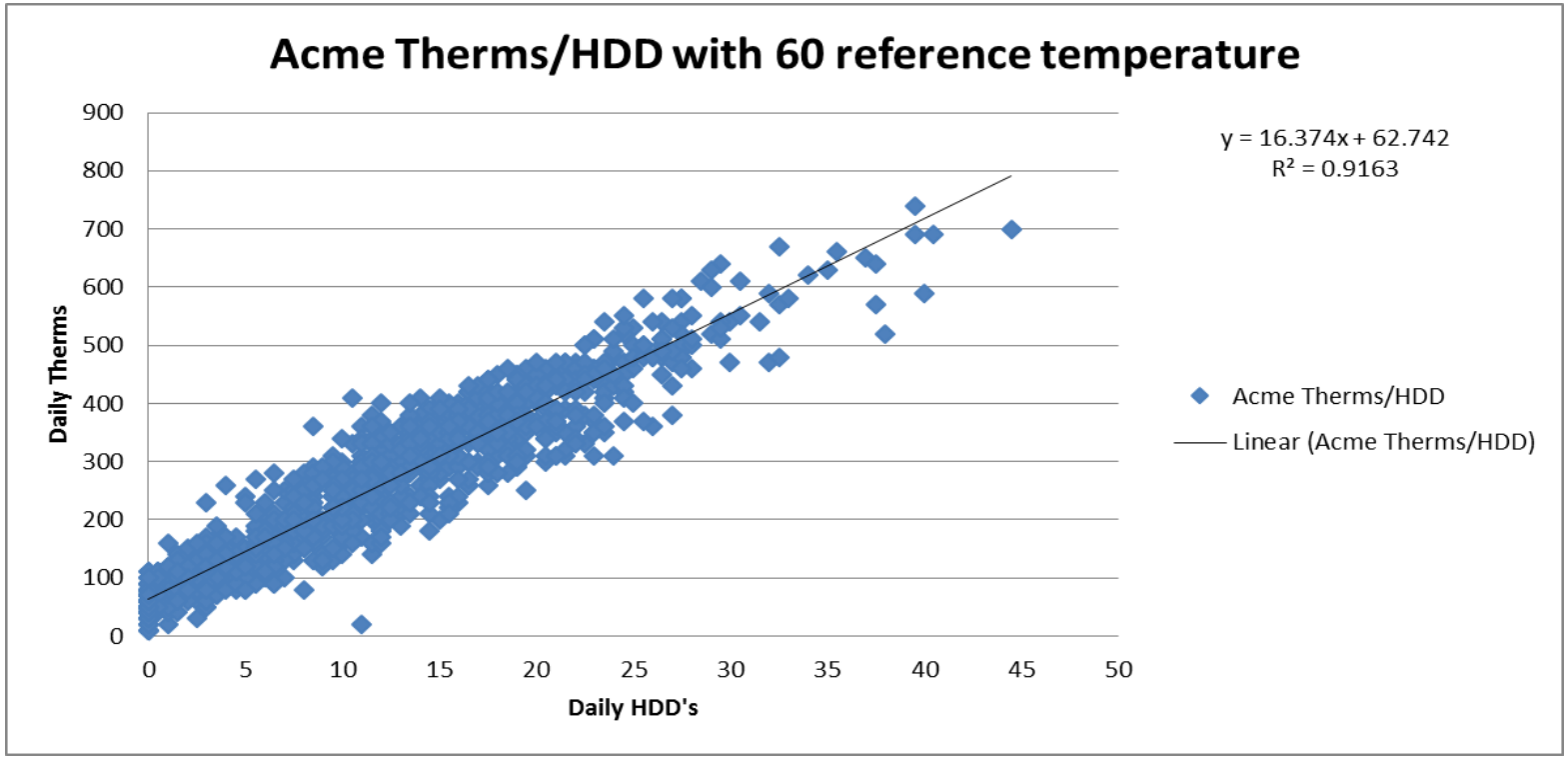
# Acme Therms/HDD with 60 degree reference temperature





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# Demand Forecast Process Followed

- Pipeline flow data is received as a daily number at the citygate. This daily number includes both the core and non-core with all classes combined into one number.
- Using Aligne, Cascade can remove the non-core values from the data leaving the Company with only the core data.
- Using CC&B, percentages were calculated to allocate the demand into rate classes.





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# Tariff Allocation

| GATE | TARRIF | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bend Loop | CNGOR101 | 64.06% | 64.09% | 63.94% | 62.89% | 61.53% | 58.60% | 55.98% | 56.62% | 60.20% | 64.86% | 64.13% | 64.33% |
| Bend Loop | CNGOR104 | 34.52% | 34.44% | 34.43% | 35.24% | 36.29% | 38.68% | 40.70% | 40.32% | 37.30% | 33.44% | 34.36% | 34.26% |
| Bend Loop | CNGOR105 | 0.96% | 0.95% | 1.04% | 1.12% | 1.20% | 1.32% | 1.40% | 1.36% | 1.30% | 0.97% | 0.91% | 0.81% |
| Bend Loop | CNGOR111 | 0.47% | 0.52% | 0.59% | 0.74% | 0.98% | 1.41% | 1.92% | 1.71% | 1.20% | 0.73% | 0.60% | 0.59% |





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# Demand Forecast Process Followed

- CC&B data is provided on an accounting month basis which means a billing cycle can run from mid-month to mid-month but will be reported in the month the bill ends.
- Cascade found that shifting the data one month forward in the first 12 billing cycles matched the demand to the pipeline demand with only 5.5% error. (21.7% error unshifted.)
- Each city/town is allocated to a citygate, based on which citygate feeds the city/town.





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# Demand Forecast Example

| Citygate | Class | Year | Month | Day | Weekend | upc | HDD | upc | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bend Loop | Residential | 2010 | 7 | 1 | 0 | 0.075677571 | 2 | 0.075677571 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 2 | 0 | 0.09530263 | 8 | 0.09530263 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 3 | 1 | 0.082065054 | 7 | 0.082065054 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 4 | 1 | 0.071402757 | 3 | 0.071402757 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 5 | 0 | 0.073864238 | 4.5 | 0.073864238 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 6 | 0 | 0.069440993 | 0 | 0.069440993 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 7 | 0 | 0.063637339 | 0 | 0.063637339 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 8 | 0 | 0.059154721 | 0 | 0.059154721 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 9 | 0 | 0.058390301 | 0 | 0.058390301 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 10 | 1 | 0.056750138 | 0 | 0.056750138 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 11 | 1 | 0.05658439 | 0 | 0.05658439 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Bend Loop | Residential | 2010 | 7 | 12 | 0 | 0.063637339 | 0 | 0.063637339 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |





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# Customer Forecast Process Followed

- After CC&B data is shifted, city/town is allocated to the county level as well.
- The data is combined into the four rate classes using the tariffs to allocate.
- For each month, population and employment is applied as well as a monthly indicator value.
- After the forecast is run, the county customer forecast is allocated to the citygate.





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# Customer Forecast Example

| County | Class | Year | Month | count | Population | Employment | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deschutes | Residential | 2008 | 10 | 32791 | 156.82 | 99.343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Deschutes | Residential | 2008 | 11 | 33004 | 156.82 | 99.343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Deschutes | Residential | 2008 | 12 | 33126 | 156.82 | 99.343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Deschutes | Residential | 2009 | 1 | 33262 | 157.345 | 92.688 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deschutes | Residential | 2009 | 2 | 33215 | 157.345 | 92.688 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Deschutes | Residential | 2009 | 3 | 33160 | 157.345 | 92.688 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |





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# Cascade Natural Gas Forecast Model

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# Using SAS for ARIMA Modeling

- $Therms/C^{CG,Class} = \alpha_0 + \alpha_1 HDD^{CG} + \alpha_m I_m + \alpha_w I_w + ARIMA \in (p,d,q)$
- $C^{CG,Class} = \alpha_0 + \alpha_1 Pop^{CG} + \alpha_2 Emp^{CG} + \alpha_m I_m + ARIMA \in (p,d,q)$

- Model Notes:
  - C = Customers, CG = Citygate, Class = Residential, Commercial, or Industrial, HDD = Heating Degree Days, M = Month, I = Indicator Variable, where 1 if the month indicated, 0 otherwise, W = Weekend, ARIMA∈(p,d,q) = Indicates that the model has p autoregressive terms, d difference terms, and q moving average terms, Pop = Population, Emp = Employment.
  - Therms/C are at a daily level, C are forecasted at a monthly level





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# Statistical Analysis for Customer Forecast

- After running the first analysis, Cascade looked for stationarity and determined whether the data needed to be differenced.
- Cascade then looked at the Autocorrelation Function (ACF) and Partial Autocorrelation Function (PACF) to determine the Moving Average or Autoregressive terms for the model.
- Cascade removed non-significant variables, unless the removal made the model worse (Ex. Removing the monthly indicators usually decreased the MAPE and AIC).
- Akaike Information Criterion (AIC) and Mean Absolute Percentage Error (MAPE) were statistics used in determining which model to use.





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# Statistical Analysis for Demand Forecast

- Cascade analyzed each model as an Autoregressive Integrated Moving Average (ARIMA) model, but most models usually only used the Autoregressive term.
- Cascade removed non-significant variables, unless the removal made the model worse.
- Akaike Information Criterion (AIC) and Mean Absolute Percentage Error (MAPE) were statistics used in determining which model to use.





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# Final Demand Forecast

- The Monthly Demand Forecast by year, month, rate class and citygate was determined by the following:
  - The demand forecast use per customer is applied to the customer forecast which makes up the monthly demand forecast.
  - Core load was forecasted by citygate by rate class.





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# Non-Weather dependent demand

- Demand that is not influenced by weather.
- Typically caused by a customer who ramps up production based on the time of season.
- Previously, demand was removed prior to running the use per customer vs. weather analysis.
- Now using monthly indicators, Cascade can run the analysis while leaving the non-weather demand in.





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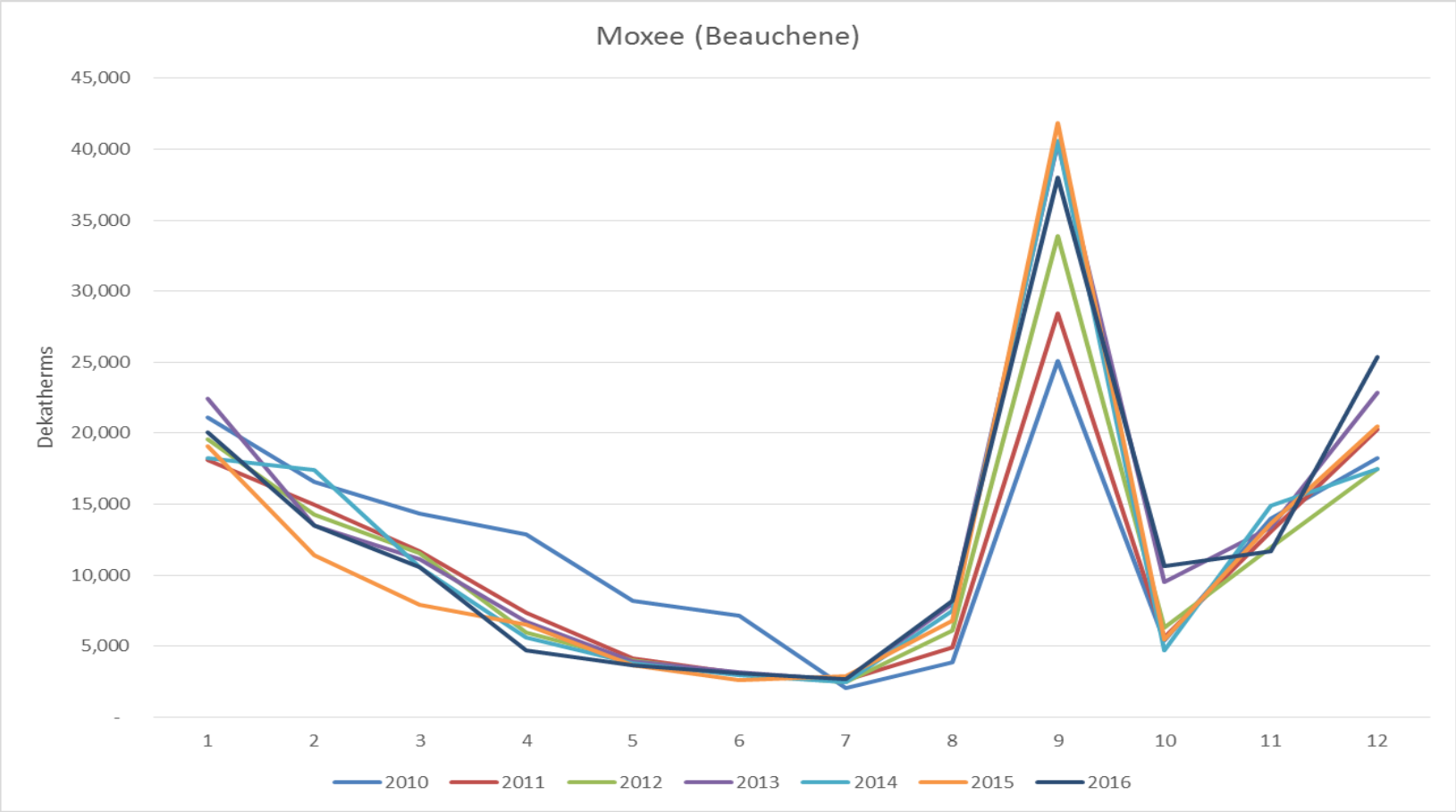
# Moxee (Beauchene)





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| Parameter Estimates | | | | | |
|---|---|---|---|---|---|
| Variable | DF | Estimate | Standard Error | t Value | Approx Pr > \|t\| |
| Intercept | 1 | 1.4304 | 0.083 | 17.23 | <.0001 |
| Weekend | 1 | -0.194 | 0.0365 | -5.31 | <.0001 |
| HDD | 1 | 0.077 | 0.002883 | 26.72 | <.0001 |
| 3 | 1 | -0.909 | 0.0781 | -11.64 | <.0001 |
| 4 | 1 | -1.407 | 0.0865 | -16.27 | <.0001 |
| 5 | 1 | -1.304 | 0.0962 | -13.56 | <.0001 |
| 6 | 1 | -1.2435 | 0.1006 | -12.36 | <.0001 |
| 7 | 1 | -1.2525 | 0.0987 | -12.69 | <.0001 |
| 8 | 1 | -0.8777 | 0.0986 | -8.9 | <.0001 |
| 9 | 1 | 1.89 | 0.0972 | 19.44 | <.0001 |
| 10 | 1 | -1.297 | 0.0842 | -15.4 | <.0001 |
| 11 | 1 | -0.7563 | 0.0708 | -10.69 | <.0001 |
| 12 | 1 | 0.2708 | 0.0705 | 3.84 | 0.0001 |



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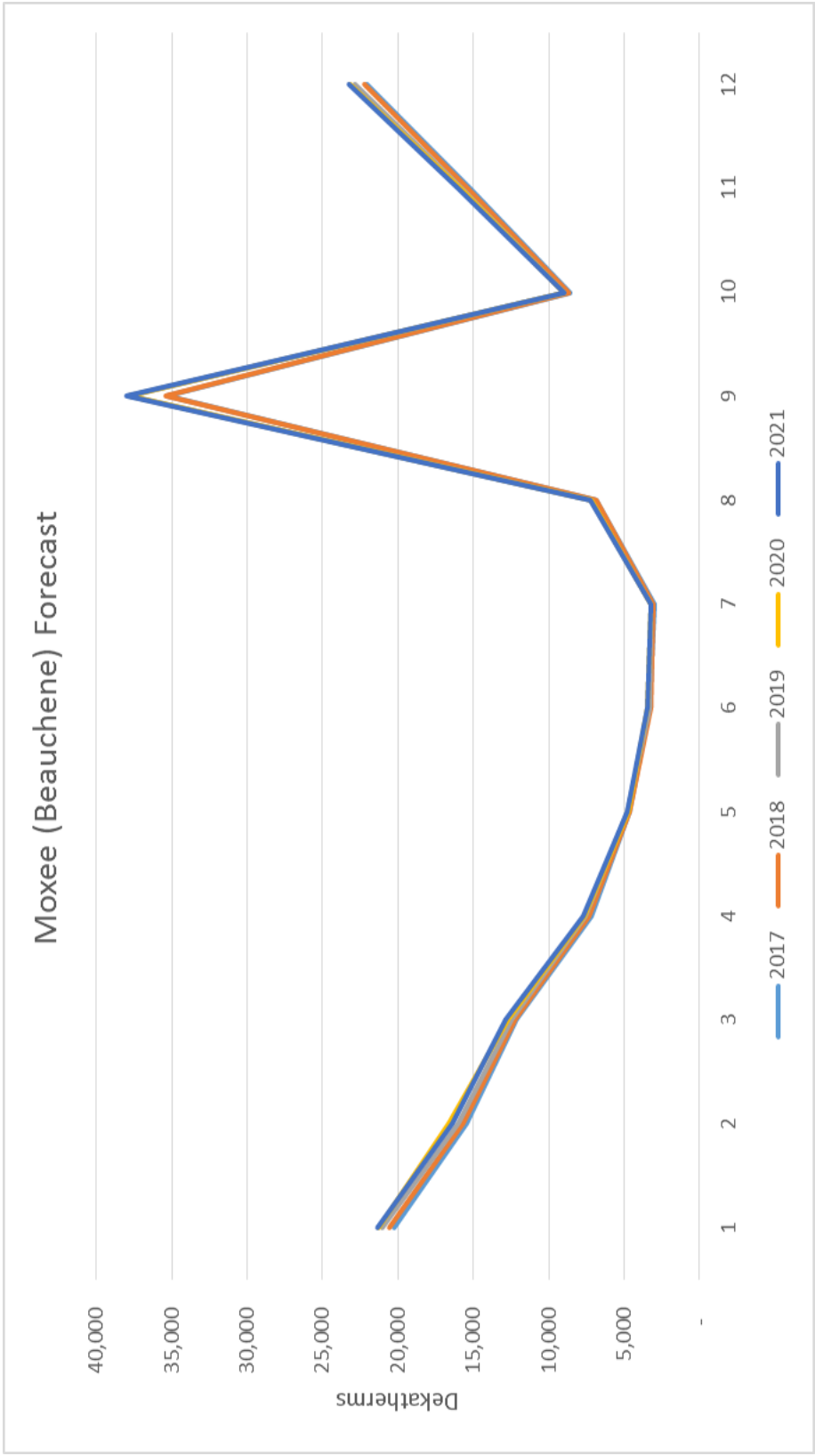




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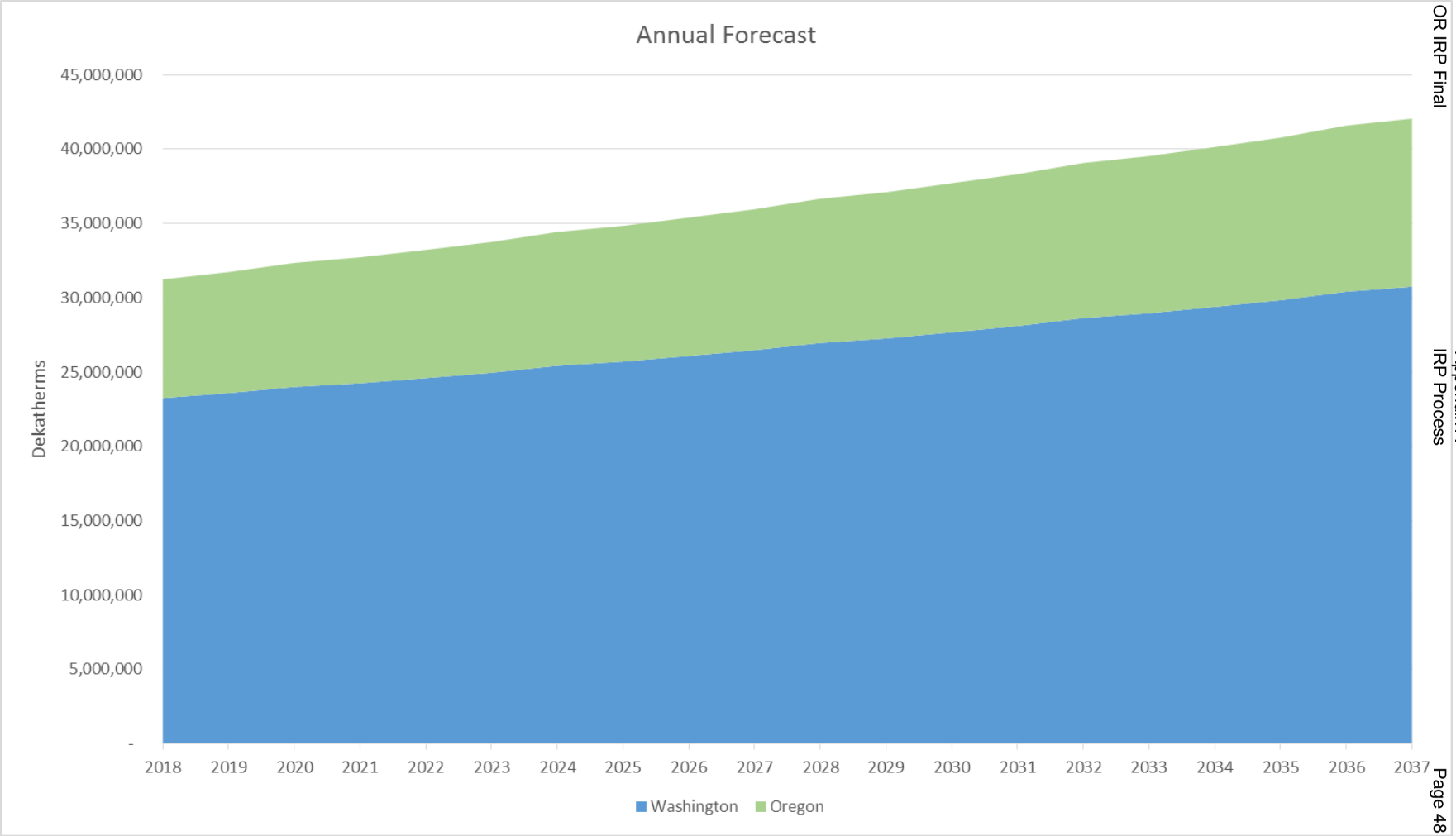
# Forecast Results





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# Growth Scenarios

- Forecast assumes three different growth scenarios.
- Base case assumes expected growth with figures primarily from growth factors derived from W&P population and economic employment forecast.
- High growth scenario is the upper bound of the 95% confidence interval.
- Low growth scenario is the lower bound of the 95% confidence interval.



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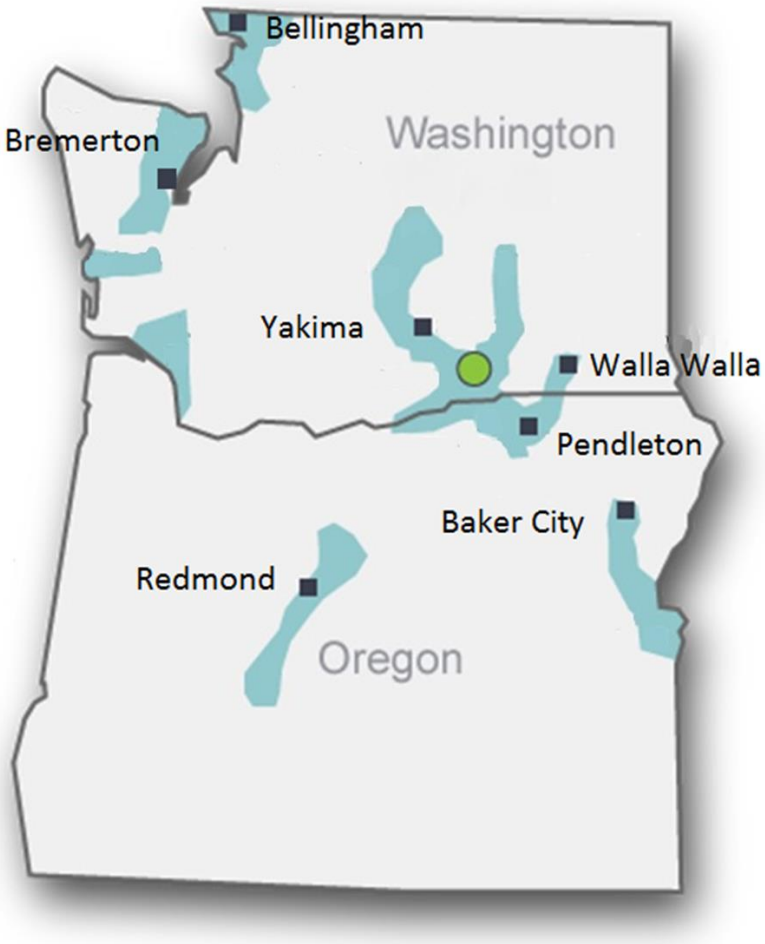
# Weather Stations




- The seven weather stations are shown on the map.
- Cascade's customer base is shaded in aqua.
- Each citygate and loop is assigned to a weather station.





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# Weather Scenarios

- The average scenario forecast assumes weather (HDD) for 12 months of the year from the 30-year average.
- Average weather scenario is the base case forecast.
- For weather scenarios, system wide HDDs are used by giving appropriate weight to the weather stations that have greater impact on system wide demand.
- To determine the high case HDD weather scenario, Cascade uses the highest draw of its 200 Monte Carlo weather simulations. This will be discussed further in TAG 4
- To determine the low case HDD weather scenario, Cascade uses the lowest draw of its 200 Monte Carlo weather simulations. This will be discussed further in TAG 4





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# Demand Forecast

| Year | Month | Forecast Time | System Demand (Dth) | OR Forecast (Dth) | WA Forecast (Dth) | ATHENA | BAKER | UMATILLA | CHEMULT | GILCHRIST | HERMISTON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017 | 1 | Jan-17 | 4,822,771 | 1,224,894 | 3,597,876 | 7,790 | 64,885 | 20,932 | 704 | 3,303 | 94,813 |
| 2017 | 2 | Feb-17 | 3,914,503 | 993,911 | 2,920,592 | 6,063 | 49,801 | 17,775 | 560 | 2,859 | 72,972 |
| 2017 | 3 | Mar-17 | 3,340,657 | 840,927 | 2,499,730 | 5,021 | 39,843 | 15,113 | 531 | 2,552 | 55,465 |
| 2017 | 4 | Apr-17 | 2,233,039 | 583,232 | 1,649,807 | 3,171 | 26,305 | 11,961 | 410 | 1,789 | 33,603 |
| 2017 | 5 | May-17 | 1,530,866 | 401,523 | 1,129,343 | 1,637 | 16,304 | 9,503 | 296 | 1,132 | 22,497 |
| 2017 | 6 | Jun-17 | 1,085,857 | 270,567 | 815,289 | 810 | 9,081 | 8,079 | 164 | 677 | 18,378 |
| 2017 | 7 | Jul-17 | 905,201 | 218,174 | 687,026 | 651 | 6,265 | 7,314 | 137 | 433 | 16,521 |
| 2017 | 8 | Aug-17 | 922,294 | 226,905 | 695,388 | 575 | 6,910 | 7,558 | 144 | 444 | 16,827 |
| 2017 | 9 | Sep-17 | 1,162,159 | 286,436 | 875,723 | 884 | 8,941 | 8,224 | 234 | 780 | 18,553 |





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# Peak Day Forecast

- Cascade analyzed the data that was in the 3rd quartile HDD range for peak day.
- Cascade removed the more mild months to get a better analysis on demand and weather during cold events.
- Cascade used similar models to the demand forecast to analyze the peak day data.





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# Peak Day Forecast

- 3 Peak Day Scenarios:
  - Average Peak Day
  - Max Peak Day
  - Citygate Peak Day
- HDD weighting
  - To determine the peak day HDDs Cascade had to weight each HDD based on weather location.
    - Held customer count to the December 2017 forecast and used the coefficient *upc* in the linear regressions.
    - The amount of demand at each weather location based on an increase in 1 HDD determined how each weather location should be weighted.





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# System Weighted HDD

| | Coefficient | Customers | ΔHDD | Demand | | | |
|---|---|---|---|---|---|---|---|
| DEM AbrdnHoq \| RES | 0.007014 | 3496 | 1 | 24.5 | | | |
| | | | | | | | |
| | **Baker City** | **Bellingham** | **Bremerton** | **Pendleton** | **Redmond** | **Walla Walla** | **Yakima** |
| Sum of Demand | 81.2 | 1135.6 | 497.3 | 166.1 | 528.4 | 579.9 | 478.4 |
| Weather Weight | 2.3% | 32.8% | 14.3% | 4.8% | 15.2% | 16.7% | 13.8% |
| | | | | | | | |
| **12/17/2016** | HDD | Weights | Weighted HDD | | | | |
| Baker City | 64.5 | 0.0234 | 2 | | | | |
| Bellingham | 39 | 0.3275 | 13 | | | | |
| Bremerton | 36 | 0.1434 | 5 | | | | |
| Pendleton | 51.5 | 0.0479 | 2 | | | | |
| Redmond | 52.5 | 0.1524 | 8 | | | | |
| Walla Walla | 49 | 0.1673 | 8 | | | | |
| Yakima | 50 | 0.1380 | 7 | | | | |
| | | | 45 | | | | |





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# Average Peak Day Forecast

- The Average Peak Day Forecast ensures that Cascade can plan for the expected peak day during a year.
  - Using the weighted HDDs, Cascade found the coldest day in each of the most recent 30 years (1987-2016).
  - Using those HDDs, Cascade averaged each day for each weather location to come up with 7 HDDs.
  - Those HDDs were then applied to the regressions to come up with an average peak day forecast.





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# Max Peak Day Forecast

- The Max Peak Day Forecast allows Cascade to plan for the coldest day in the past 30 years with today's usage rates and customer counts.
  - Using the weighted HDDs, Cascade found the coldest day from the past 30 years (This is December 21st, 1990).
  - The HDDs for each weather location from this day were used in the regressions to come up with the Max Peak Day Forecast.

# Citygate Peak Day Forecast

- The citygate Peak Day Forecast allows Cascade to plan for the coldest day in the past 30 years at each individual weather location.
  - Using weather location HDDs, Cascade found the coldest HDD in the past 30 years for each individual weather location.
  - The HDDs for each weather location were used in the regressions to come up with the Citygate Peak Day Forecast.





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# Max and Citygate Peak HDDs

| | | | City Gate Peak HDD | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Peak Rank | System Peak Day | System Peak HDD | Baker City | Bellingham | Bremerton | Pendleton | Redmond | Walla Walla | Yakima |
| | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 12/21/90 | 56.1 | 70.5 | 46 | 46 | 67 | 70.5 | 65 | 58 |
| 2 | 02/03/89 | 53.9 | 68 | 46 | 46 | 63.5 | 64.5 | 60.5 | 55.5 |
| 3 | 12/29/90 | 52.6 | 60 | 47 | 44 | 65.5 | 53.5 | 59 | 60 |
| 4 | 12/20/90 | 51.9 | 59 | 46 | 42 | 63 | 62 | 57.5 | 53 |
| 5 | 12/22/90 | 51.6 | 72.5 | 41 | 41.5 | 61.5 | 62.5 | 60.5 | 57.5 |
| 6 | 02/02/89 | 51.3 | 52 | 51.5 | 45 | 60.5 | 50 | 53 | 53.5 |
| 7 | 01/05/04 | 50.3 | 70 | 39 | 37 | 63 | 55.5 | 64 | 61 |
| 8 | 01/30/96 | 50.3 | 61.5 | 40.5 | 37 | 64 | 55.5 | 63.5 | 59 |

| City Gate Peak HDD | | | | | | |
|---|---|---|---|---|---|---|
| Baker City | Bellingham | Bremerton | Pendleton | Redmond | Walla Walla | Yakima |
| 72.5 | 51.5 | 46 | 67 | 70.5 | 65.5 | 64.5 |





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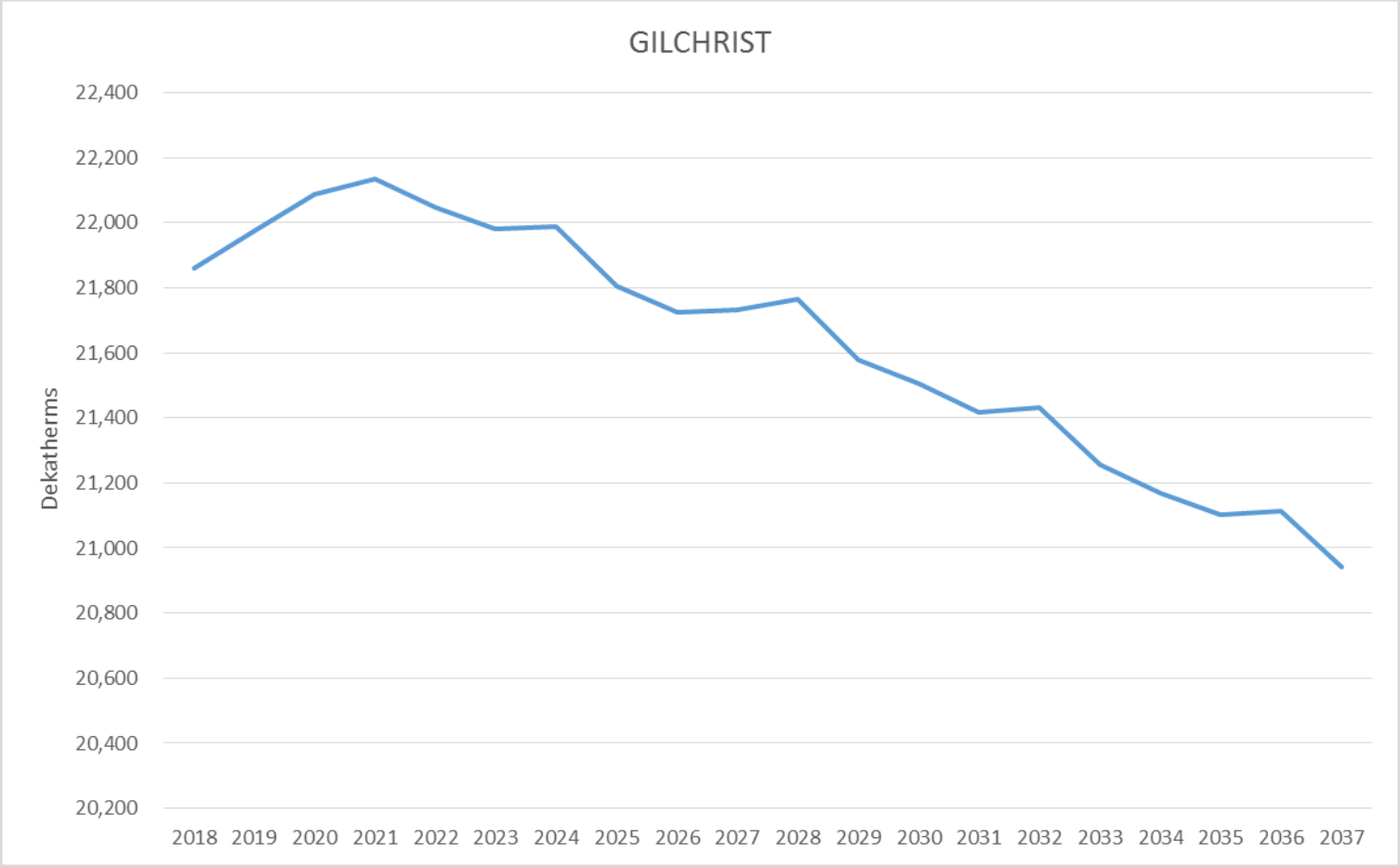
# Cascade Natural Gas Forecast Model Results

# Gilchrist





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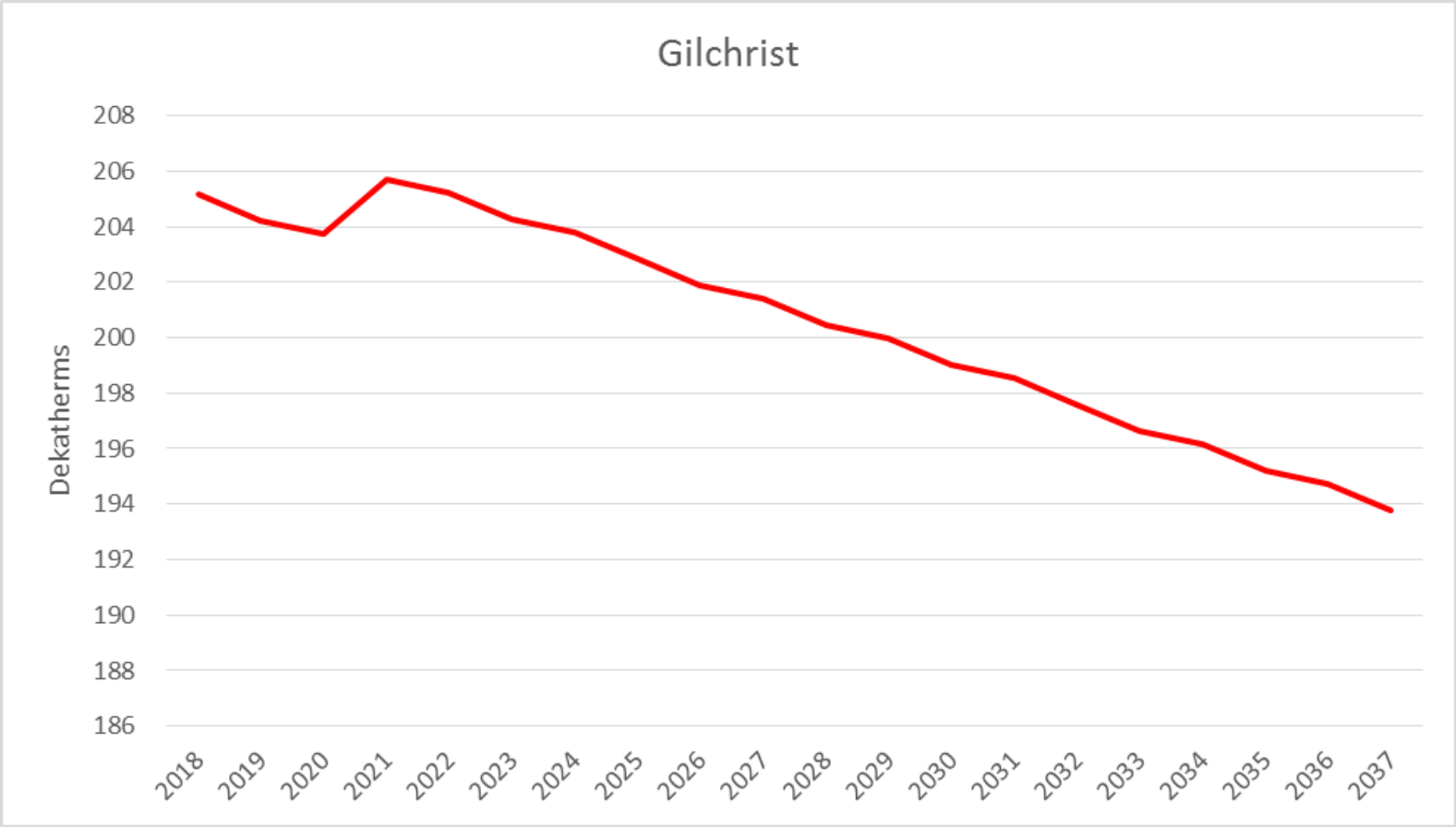
# Gilchrist Peak Day





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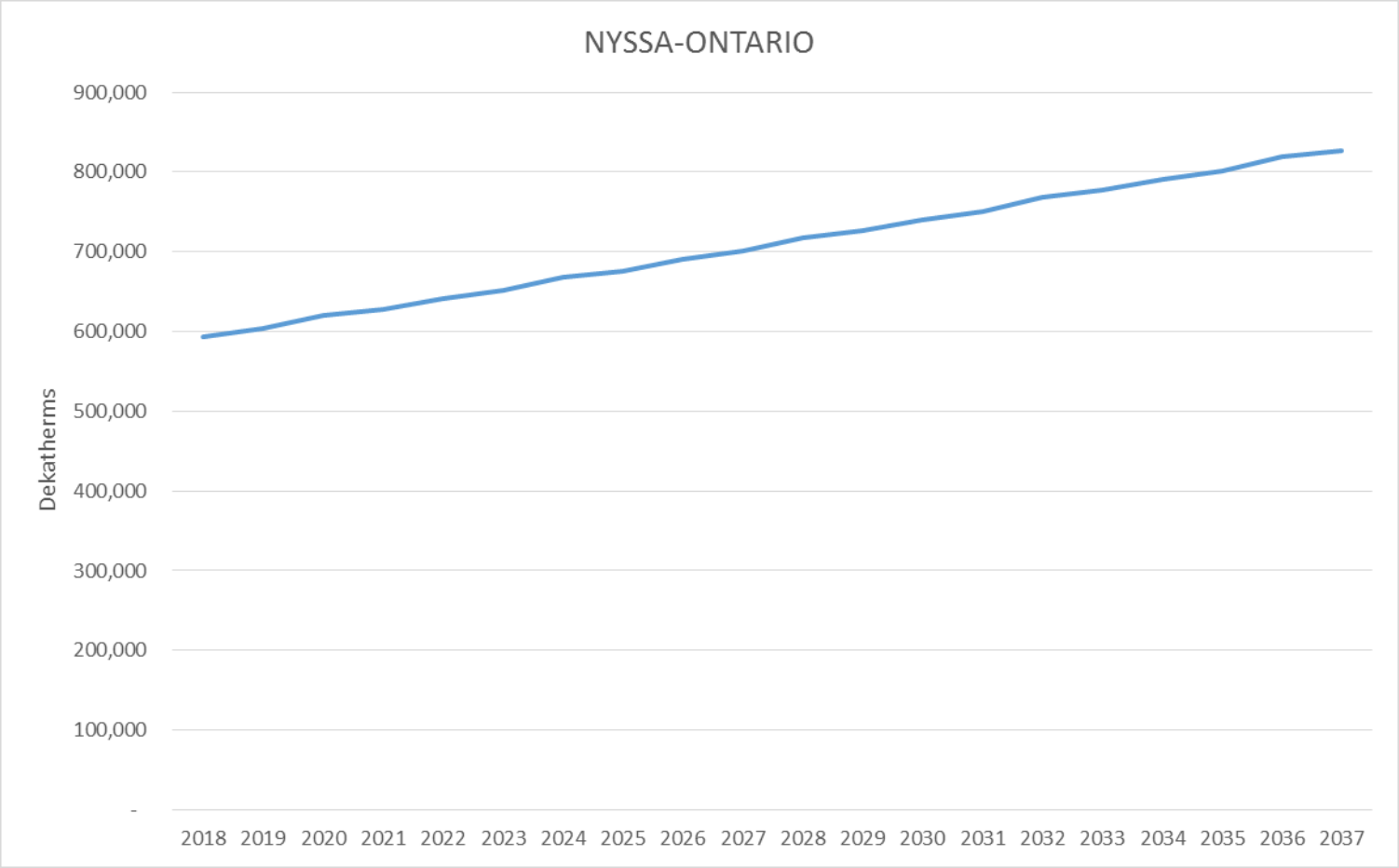
# Nyssa-Ontario





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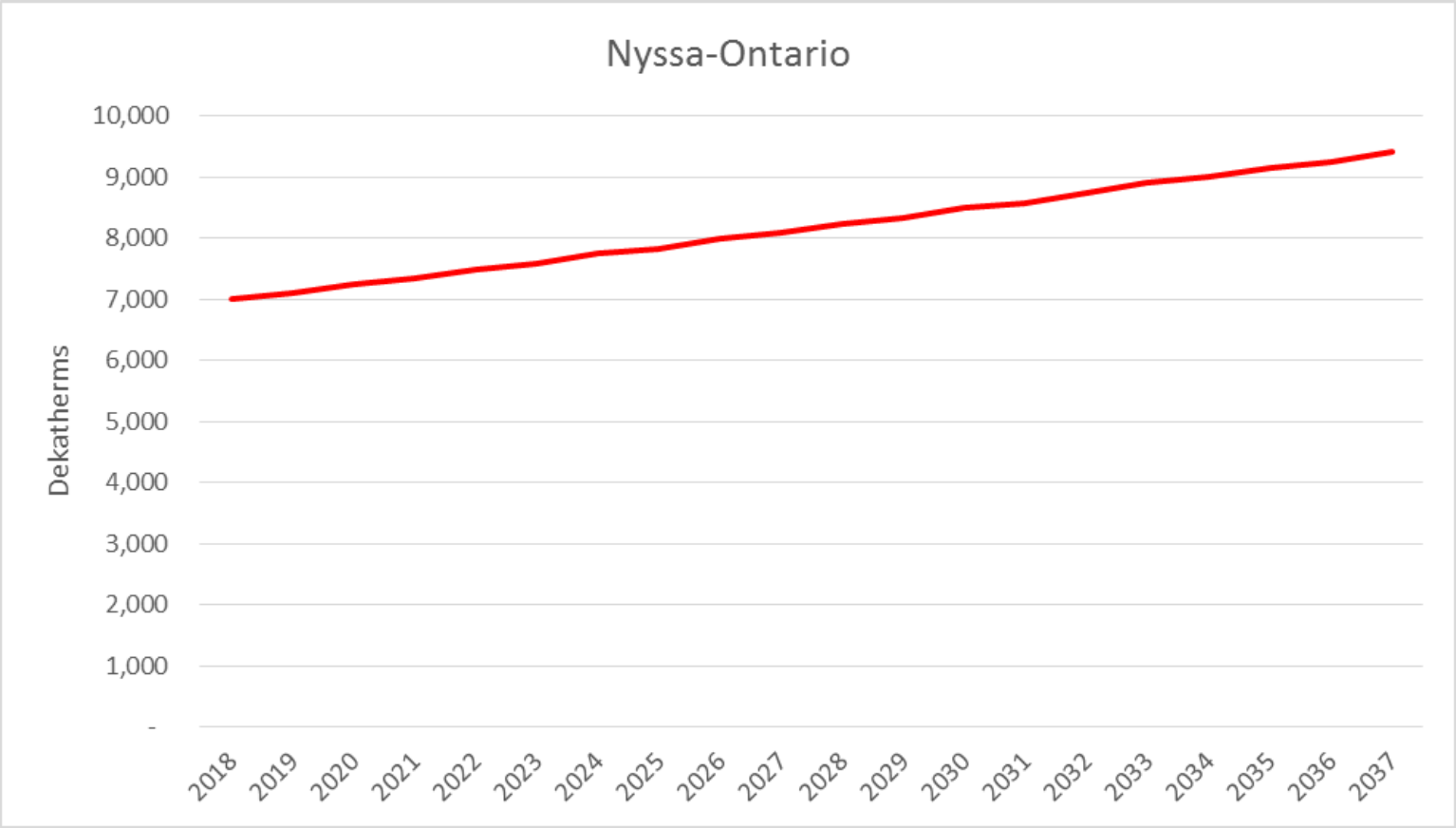
# Nyssa-Ontario Peak Day





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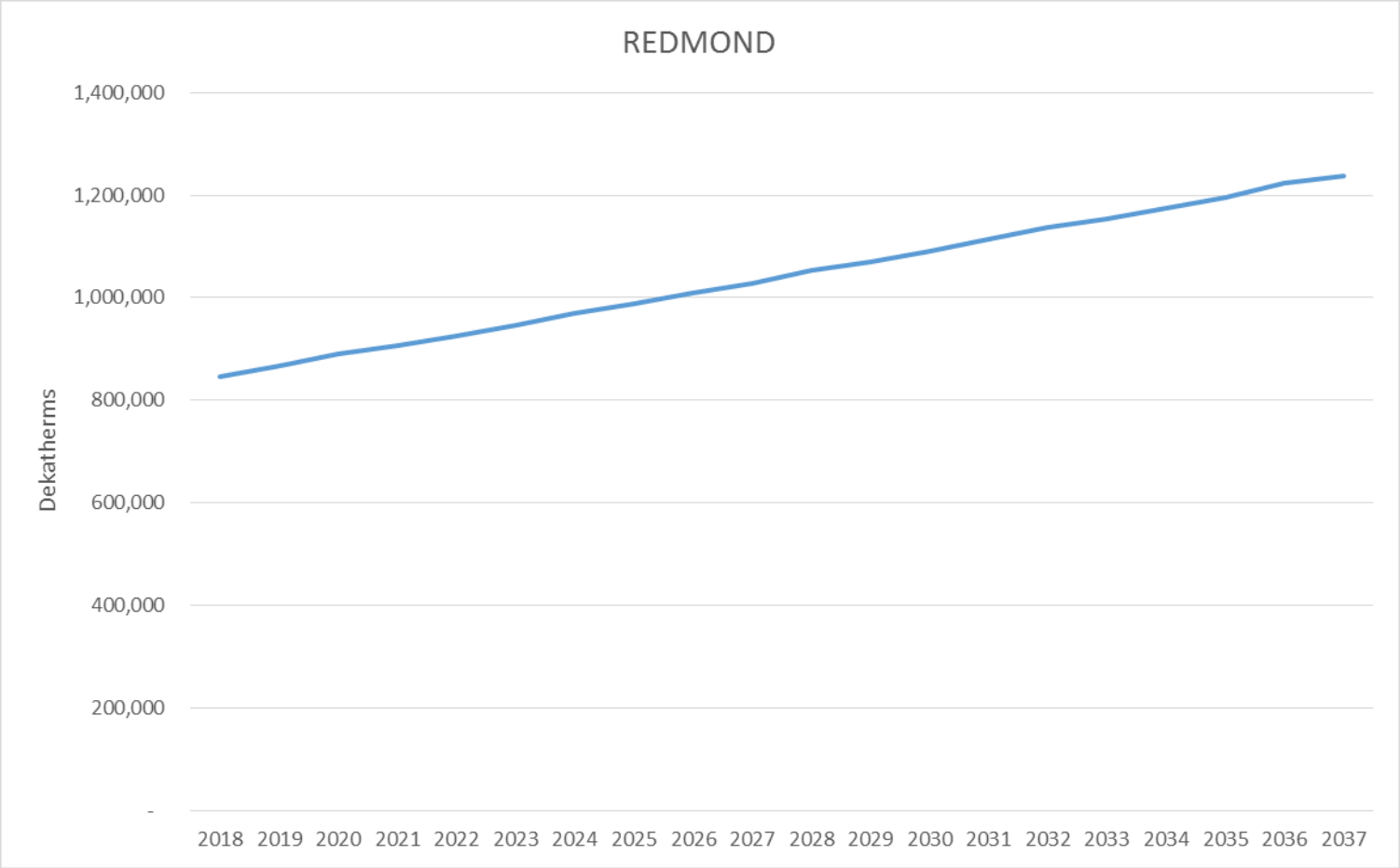
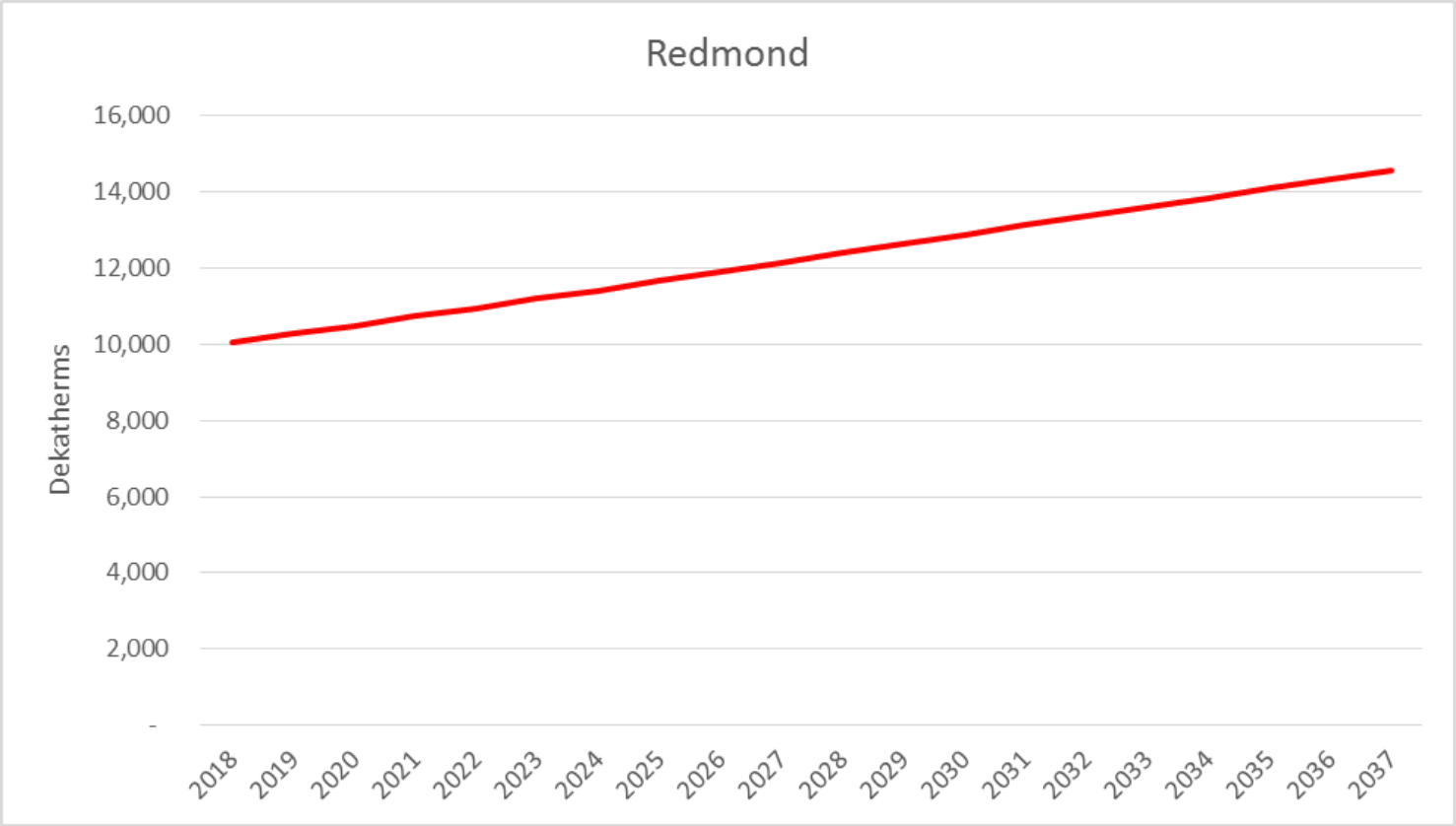
# Redmond


REDMOND
Dekatherms
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037

# Redmond Peak Day





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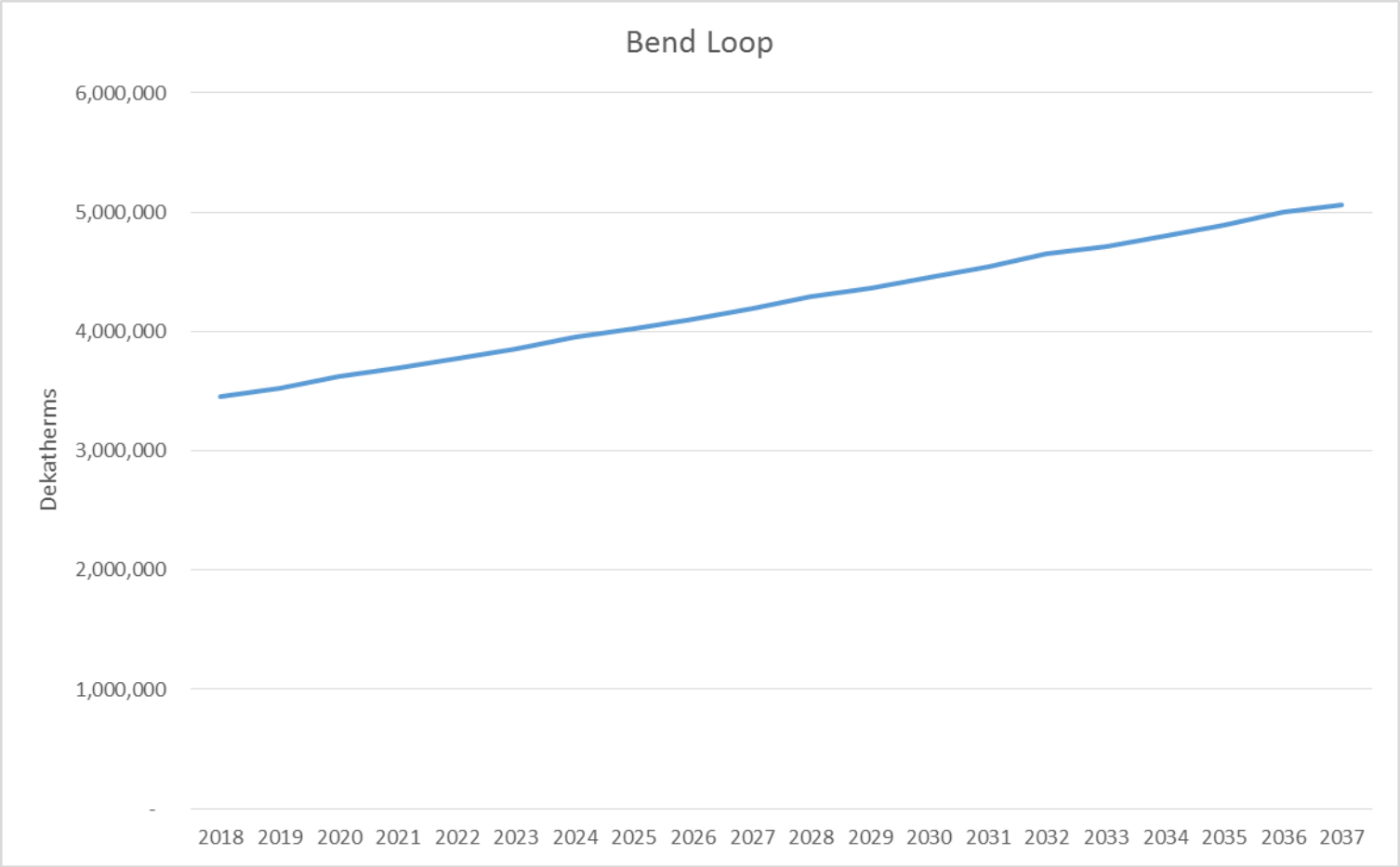
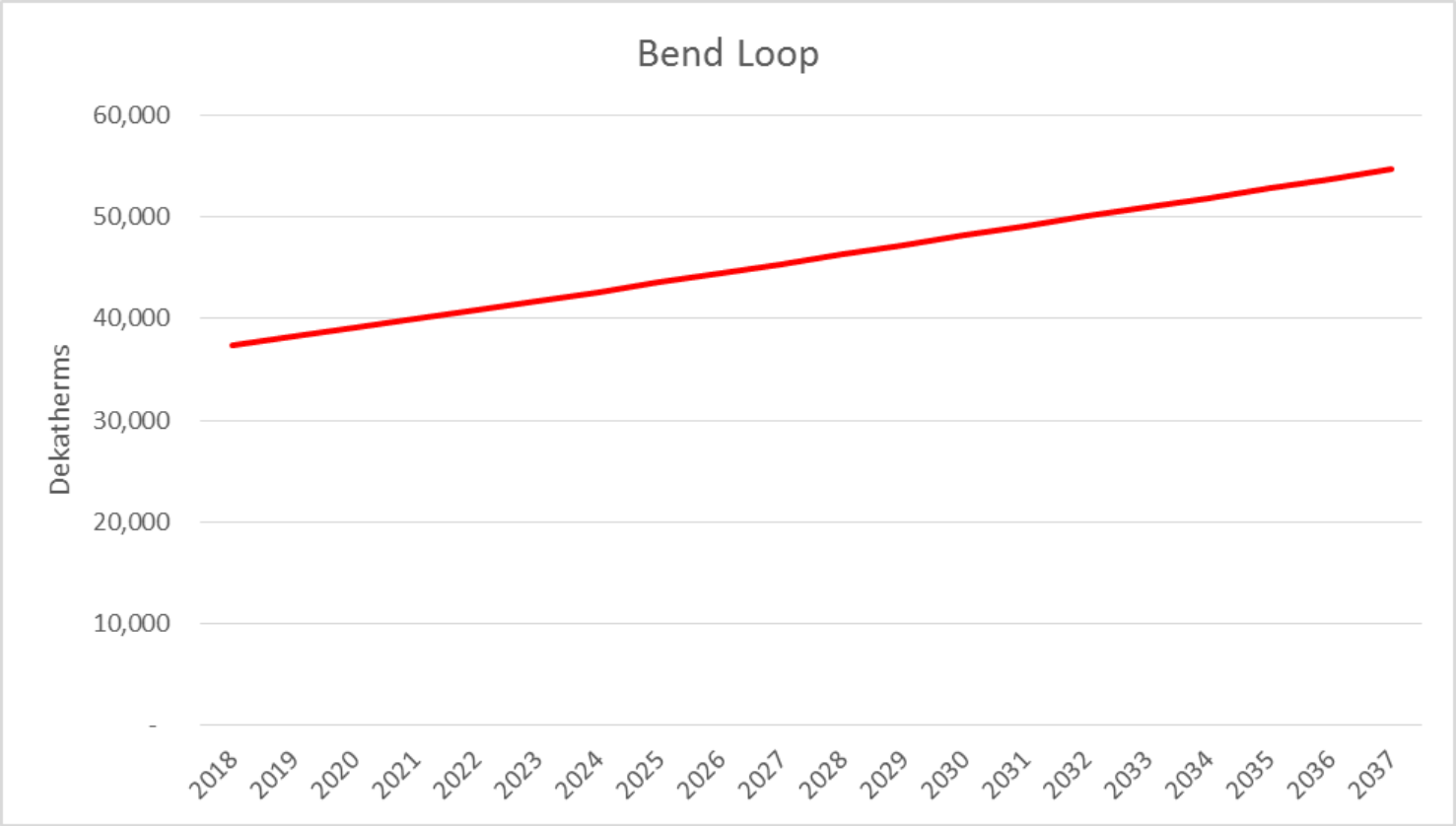
# Bend Loop


Bend Loop
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
-
Dekatherms
2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037

# Bend Loop Peak Day





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# Bend, Oregon

- Bend, Oregon – The city of Bend recently approved an urban growth plan that is projected to allow for the development of 2,380 acres of land. City planners project this will add more than 17,000 homes and 21,000 jobs. No specific timeline for the completion of this expansion is provided in their May 2016 project update.
- http://www.bendbulletin.com/localstate/4818463-151/state-approves-bend-urban-growth-plan





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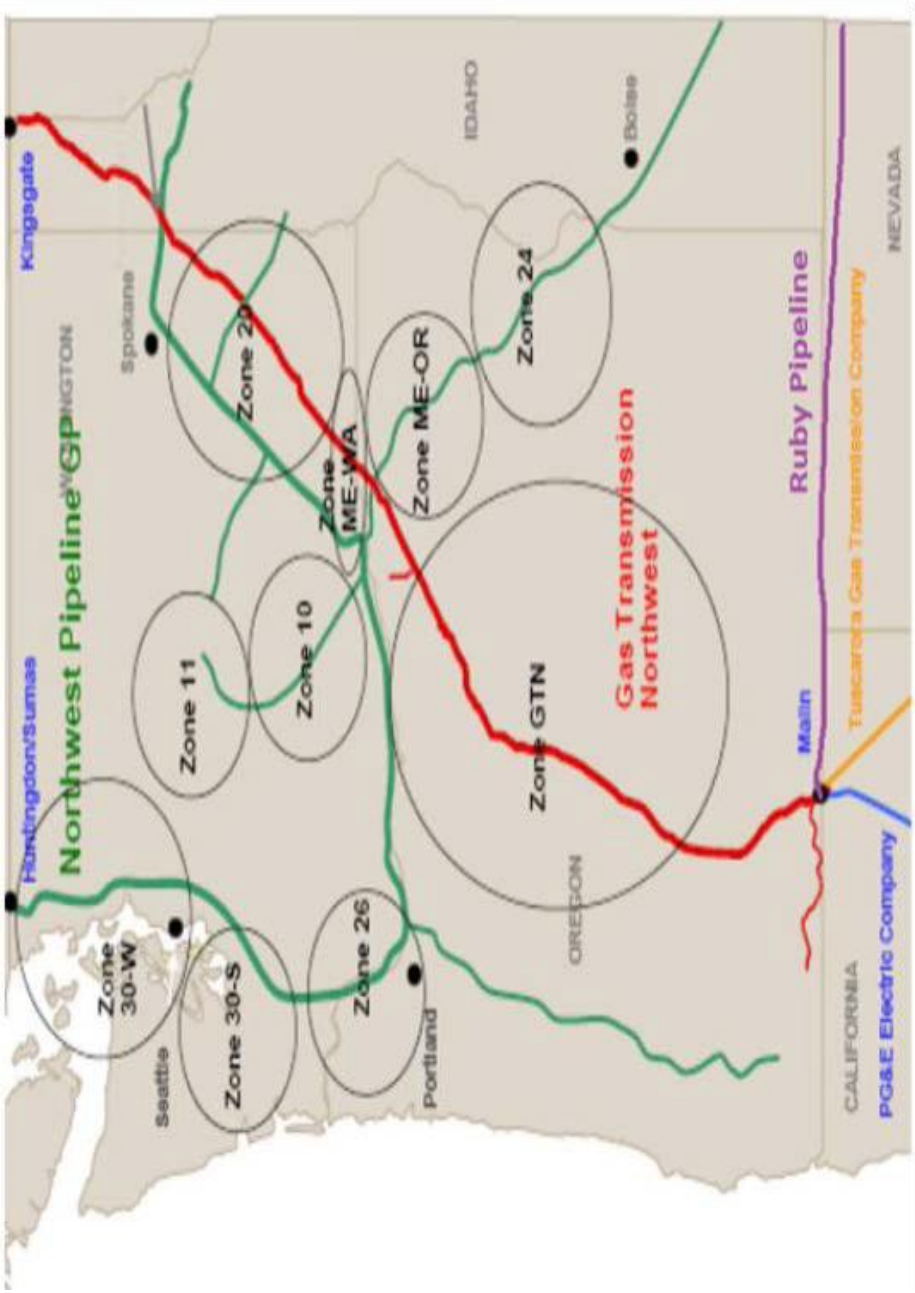
# Cascade Zonal Map



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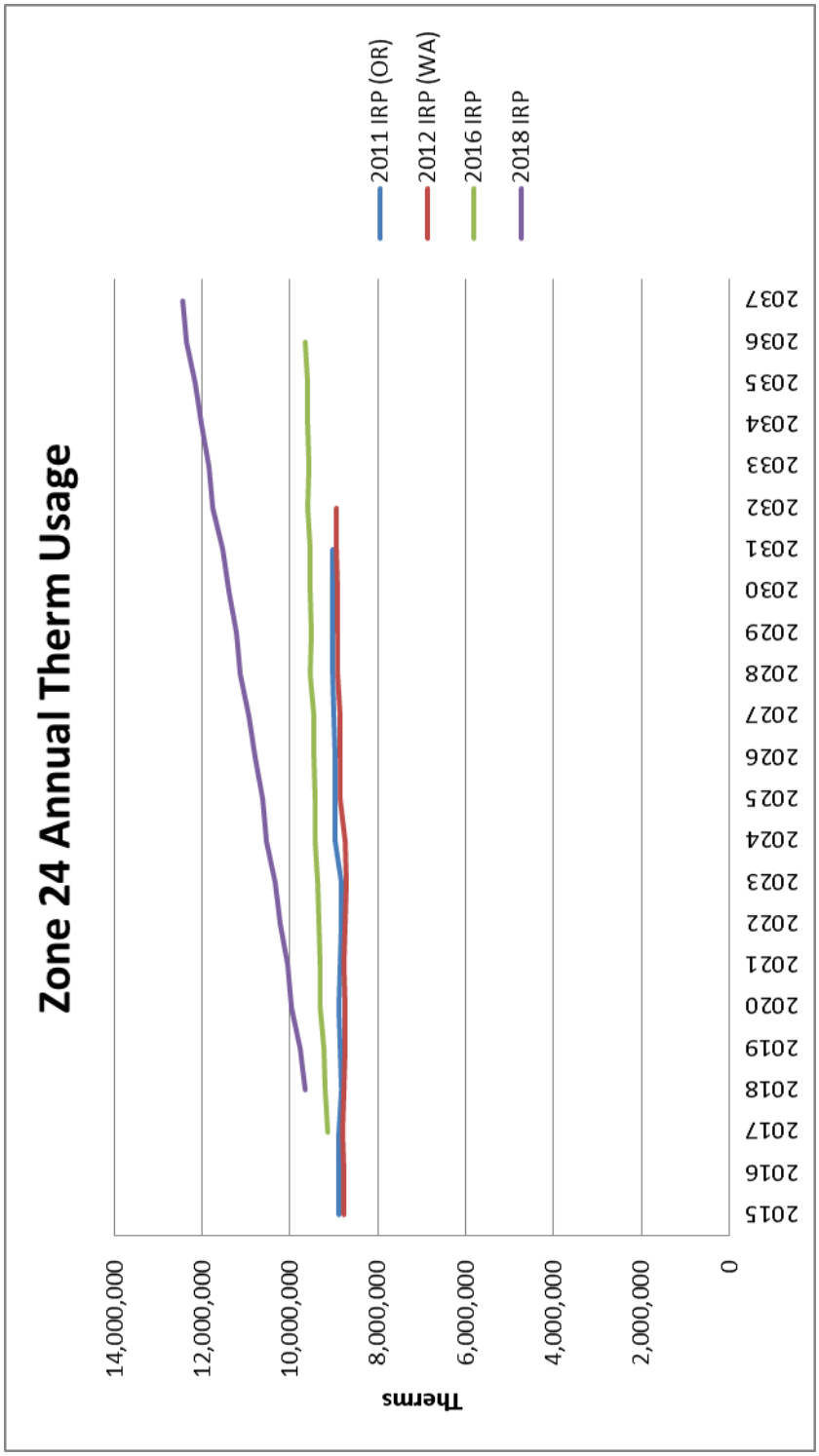
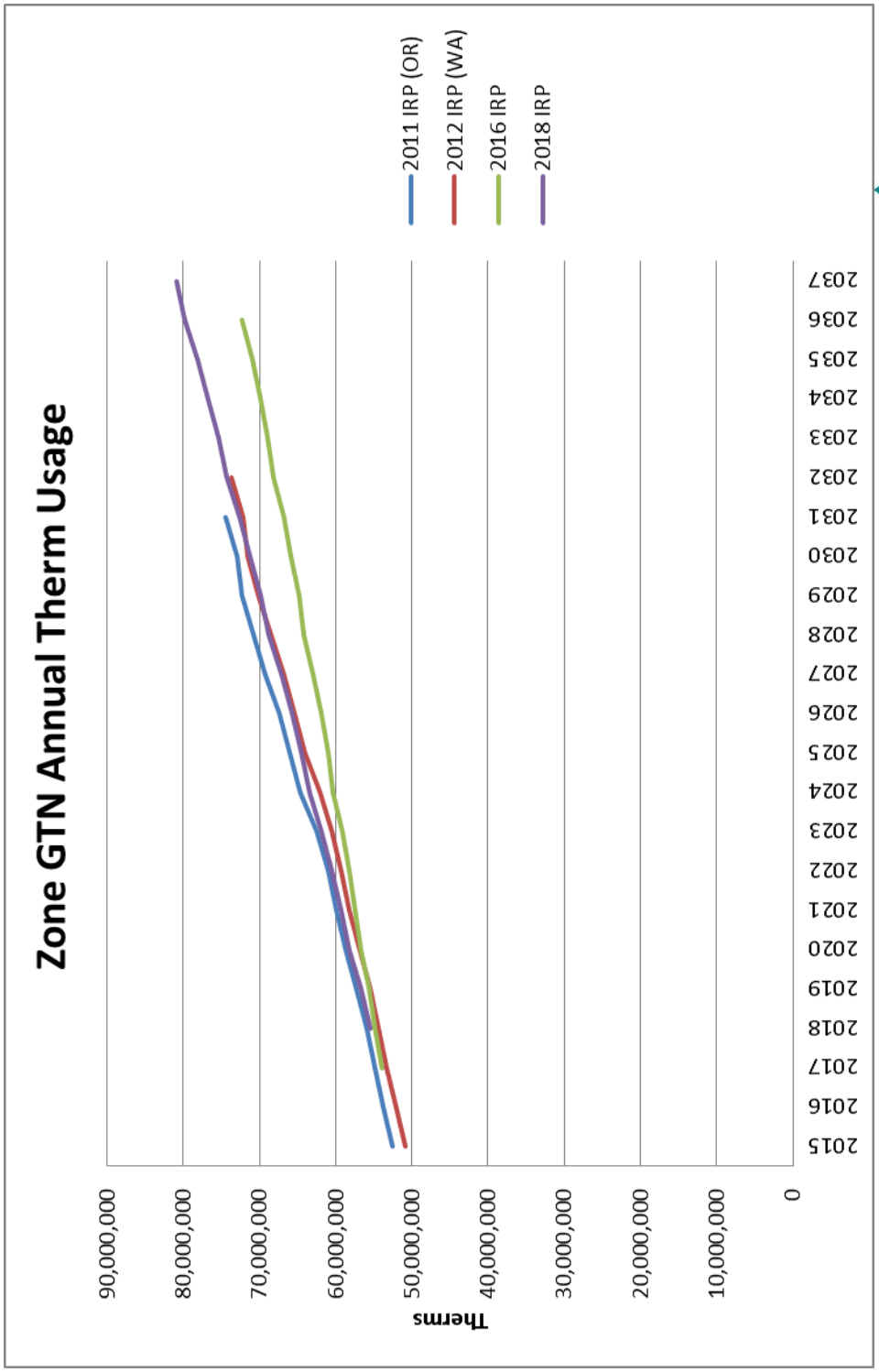
# Zone 24


Zone 24 Annual Therm Usage
Therms
14,000,000
12,000,000
10,000,000
8,000,000
6,000,000
4,000,000
2,000,000
0
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP (OR)
2012 IRP (WA)
2016 IRP
2018 IRP

# Zone GTN



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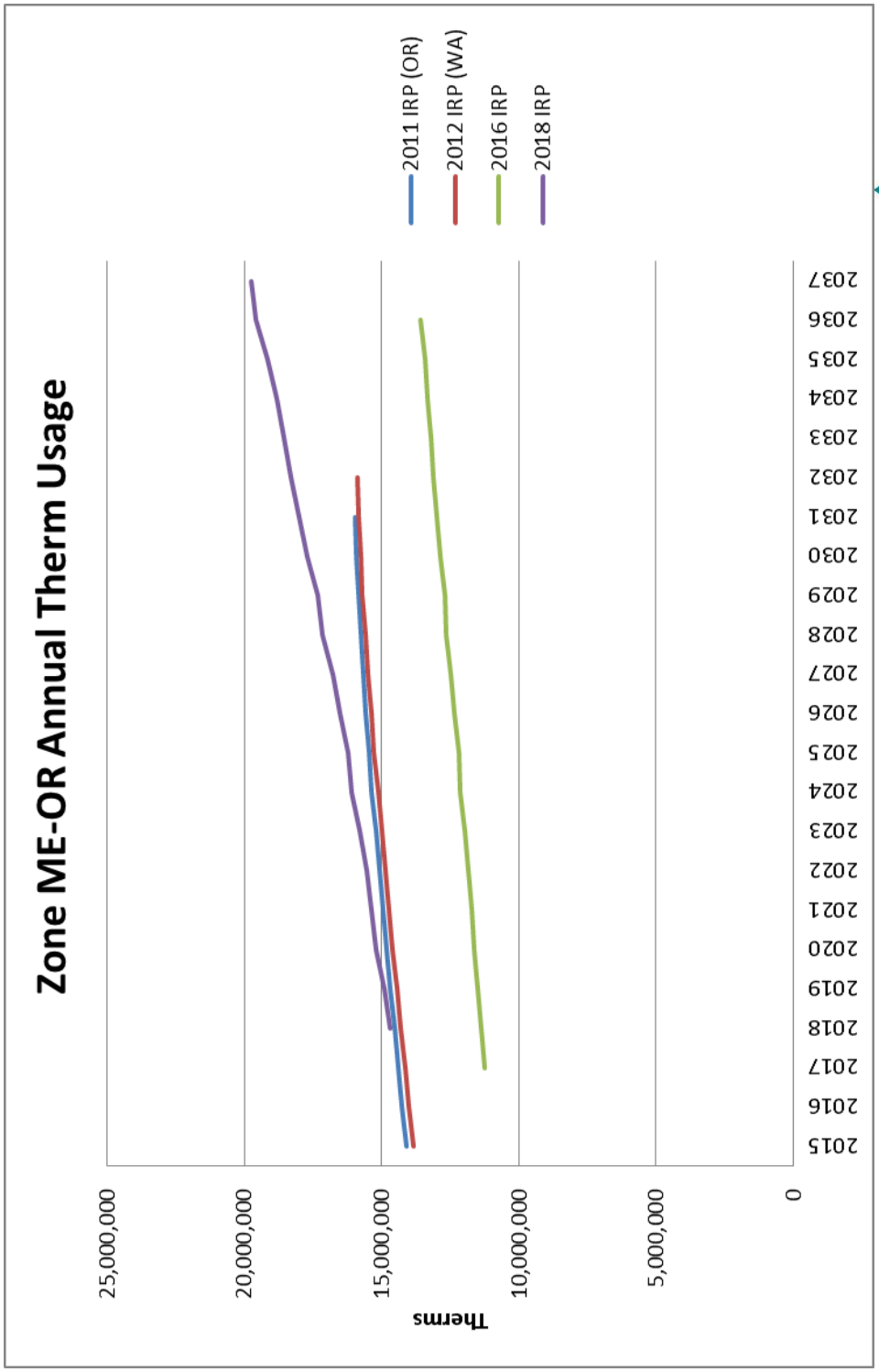
# Zone ME-OR



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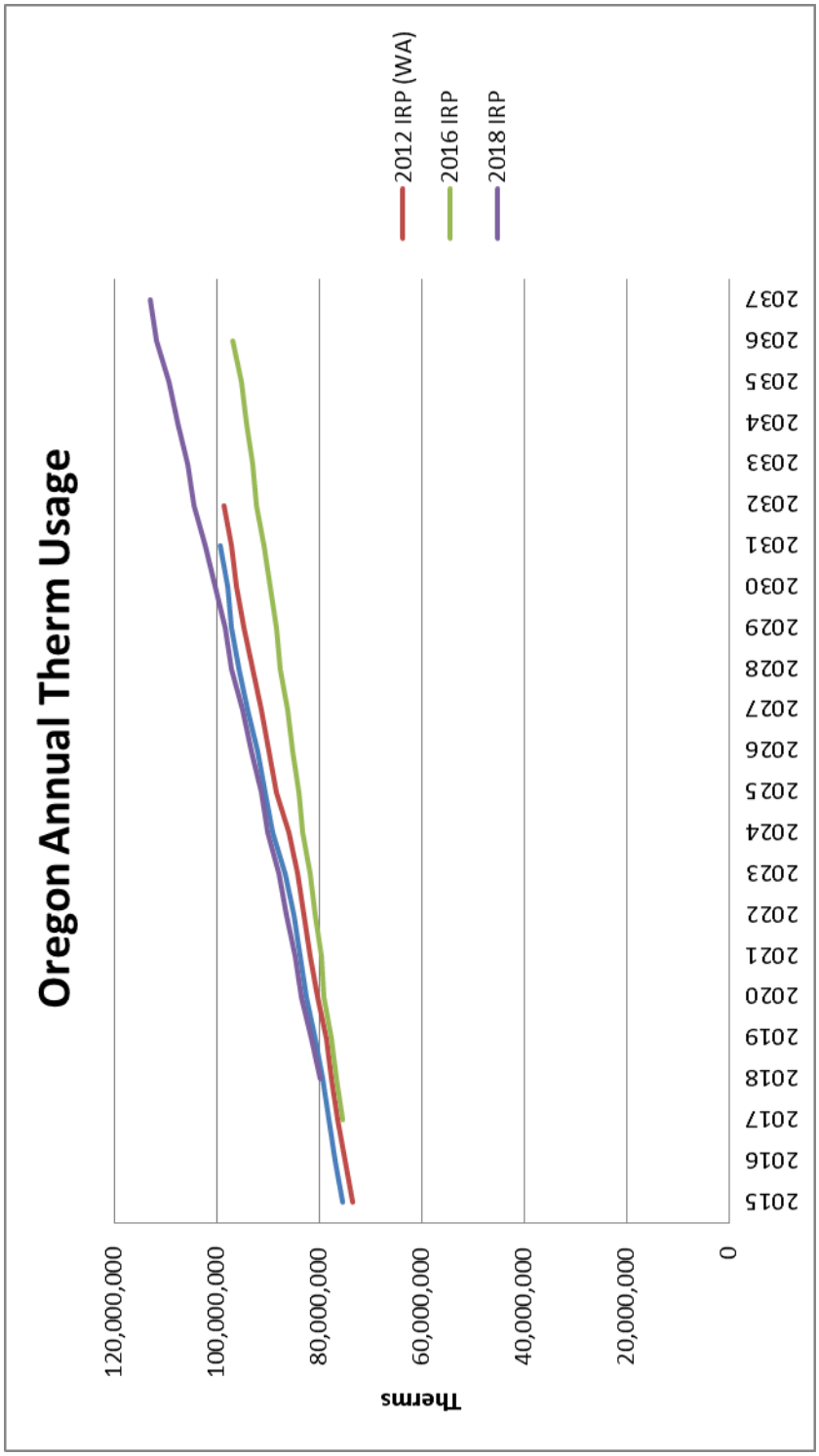
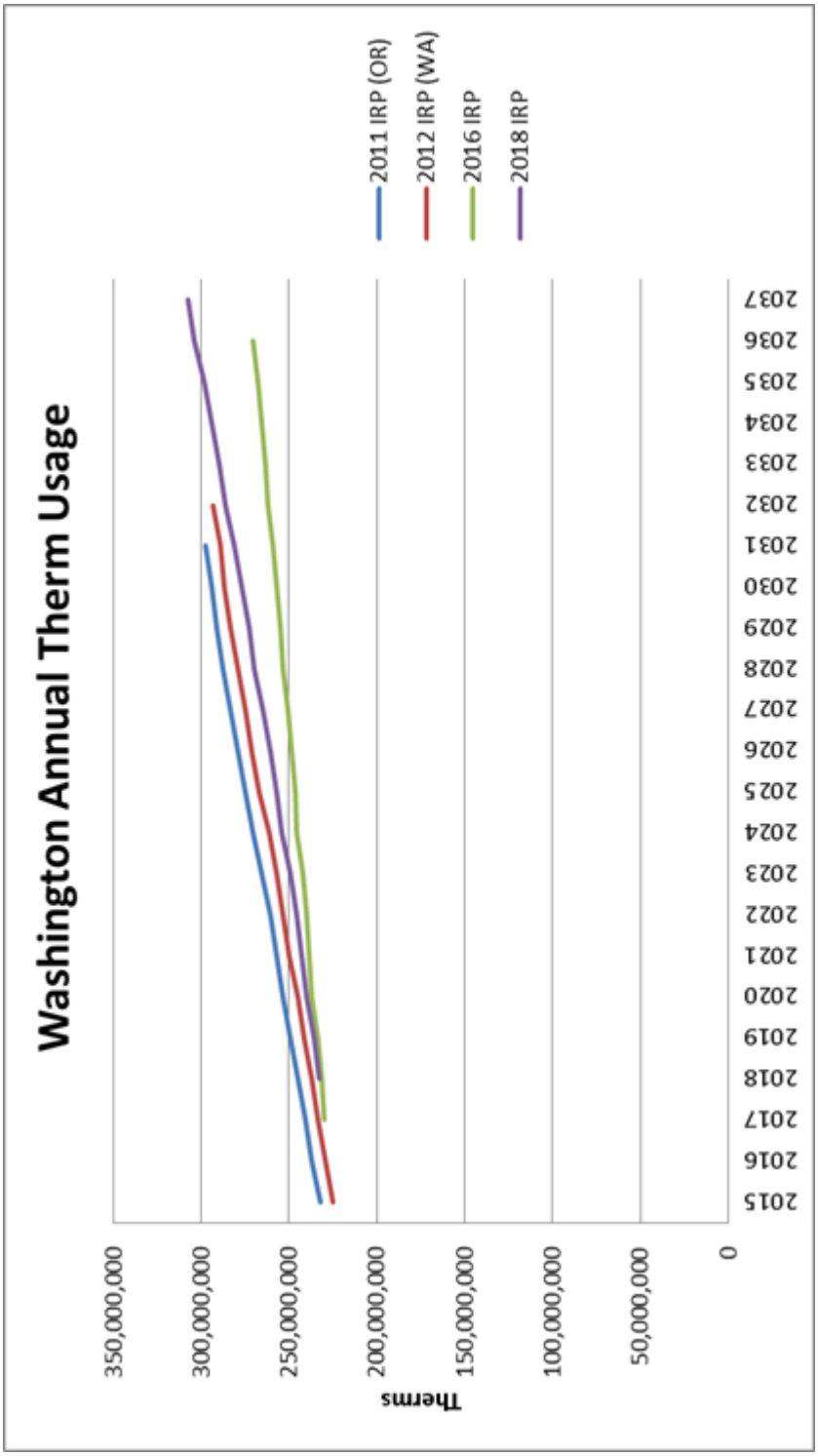
# Oregon


Oregon Annual Therm Usage
Therms
120,000,000
100,000,000
80,000,000
60,000,000
40,000,000
20,000,000
0
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2012 IRP (WA)
2016 IRP
2018 IRP

# Washington



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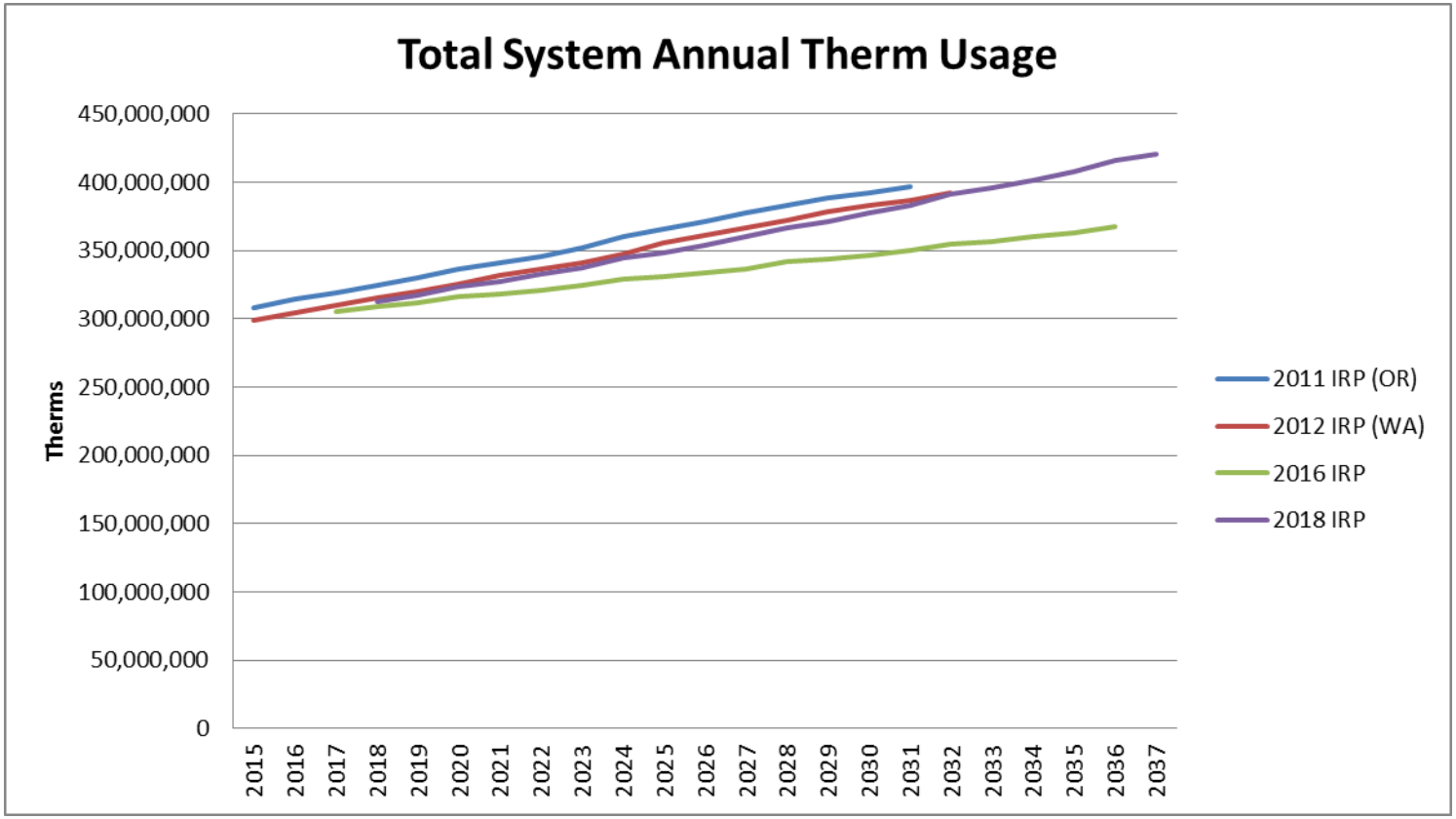
# Total System





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# Questions/Next Steps

- Review Plans for TAG 2 Discussion
  - Update on any Action Items.
  - Current and Potential Supply Resources.
  - Distribution System Planning.
  - Next TAG is Wednesday, July 19th at OPUC Offices in Salem, OR.



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Devin McGreal – Resource Planning Analyst I: (509)-734-4681
devin.mcgreal@cngc.com

Bruce Folsom - Consultant



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## 1st External TAG Meeting

05/11/2017, 9:00 - 10:35 AM

**Presenters:** Mark Sellers-Vaughn & Brian Robertson

**In attendance**: Mark Sellers-Vaughn, Brian Robertson, Devin McGreal

**Called in**: Garret Senger, Bob Morman, Miki Bode Jones – NWP, Monica Cowlishaw, Bruce Folsom, Paul Russell OPUC Staff Representative, Ed Finklea, Mike Paruszkiewicz – Northwest Natural Gas, Deborah Glosser OPUC Staff, Carolyn P Stone

**Minutes by**: Carolyn P Stone

Mark welcomed everyone to the meeting, noting that Deborah & Lisa are out ill and Paul Russell is in attendance today as OPUC Staff representative.

Mark went over today's Agenda and explained that Brian Robertson would be giving the Cascade Demand Study overview and model results, then back with Mark for the next steps.

Slide #'s 3 & 4 - Mark started out on Slide 3 & 4 with the history of Cascade Natural Gas.

Slide #5, 6 & 7 - Devin McGreal discussed the "Resource Decision Making Process" including regional market outlook factors, noting 3 pitfalls (slide #7) that could lead to large economic losses such as:

1. An "isolationist" attitude in the US
2. The European Union (recent election in France)
3. Possible Chinese debt crises

Other than this the natural gas industry looks healthy. They are watching water & storage levels, as well as keeping an eye on the NGTL capacity per Slide #8, the "open season" opening bids up to 408 GJ/d. Slide #8 also refers to the Portland and surrounding county "pledge" to power the region with green energy only and national "net" storage injections.

Slide #9 - Mark then went over the Draft 2018 IRP Timeline. The TAG meetings, except for TAG 3, will all be held in Salem. TAG 3 will be held at the Portland airport. He urges the group to look at this timeline and to confirm there are no conflicts.

Slide #10& 11 - Table of Contents & Appendix Table of Contents. Mark briefly discussed the 2014 IRP issues here…i.e. staffing, the narrative content, etc.

Slide #12- Mark described the addition of new staff to the Resource Planning Department in 2016. The IRP team also has a consultant, Bruce Folsom assisting.

Bruce introduced himself as being retired from Avista Utilities and before that was part of the WUTC staff, thus he brings 30 years of IRP experience! He went on to say he is pleased with Cascade's commitment and progress on

the IRP's. The filing in Washington was strong and had an aggressive schedule. He is very impressed with the 2 new analysts, their progress & Mark's leadership.

Mark also went on to mention that, in addition, there is an IRP Steering Committee including 2 directors and 3 vice-presidents. There are also many other departments that have provided help to the IRP such as Conservation, Engineering, Accounting, Regulatory, IT, the executive team, Gas Supply and others….

Mark stated about the Table of Contents for the group to let them know if there is anything else needed here, improvements or additions??

Mark stated Cascade has a webpage solely for the OR IRP Process.

Ed Finklea made some comments about the fact that the plan is becoming challenging with pipeline capacity issues, etc. and political pressure. He went on to discuss the "electrifying" of the economy. Since electricity is carbon free, there are some movements to convert the economy to electricity from gas!

Slide #13- Shows the 2018 IRP TAG participants

Slide #14- The IRP Guidelines, order #07-002, Admin Rule #860-027-0400. This is a long-term resource planning process per regulatory requirement.

Slide #15 – 2014 IRP Issue updates.

Mark discussed the recent publishing by the Washington Utility Commission of a "Hedging Policy". Cascade is required to develop a policy regarding financial hedging. We intend to present this as part of the 2018 IRP.

Also, there will be a more comprehensive list of engineering projects to be implemented over the next several years included.

*Presentation #1* – Brian Robertson
**Cascade Demand Study**

Slide #24- Brian Robertson went over the 20-year forecast of core natural gas demand and core peak demand. Core load is 53% is residential and 47% is commercial.

Population, employment growth, and historical weather are used in study. Creates a monthly demand forecast for 20 years at the citygate & citygate "Loop" level. Allocates citygate to each weather location, classes used are residential commercial, industrial and core interruptible.

Slide #26- **Key Points**

Demand weather/customer driven. Forecast uses 30 years of weather history to forecast 2018 – 2037.
Uses various scenarios with average year and extreme cold year, high growth and low growth. Analyzes 55 citygates & citygate "loops". 60-degree HDD threshold is used.

Slide #27- **Input Data**
Brian Robertson explained that inputs include data from EBB (Pipeline electronic bulletin boards), the gas management system called "Aligne" and CC&B (customer care & billing). Weather data is obtained from "Schneider Electric" and population/employment information from "Woods & Poole" and local market intelligence.

Slide #28 – **Weather Data**

Weather data is defined in terms of "Heating Degree Day" (HDD) using 30 years of data. Brian explained why the 60° threshold is used rather than 65° and gave an example of how the 60° figure is used to determine HDD. 65° was the figure used for many years, but in testing it, it has been determined that 60° provides more accurate results.

Slide #31 – **HDD with 60° reference temperature**

In Slide #31 Brian shows the group a graph using HDD with 60° reference. Brian asked if staff was expecting anything else here.

Slide #32 – **Demand Forecast Process Followed**

Pipeline data is received daily at the citygate = both CORE/Non-Core. Brian said his group uses Aligne to "back out" the Non-Core values to get the Core values at the citygate. They then use CC&B to allocate the demand into "rate classes" as mentioned earlier. Ex scenario: What % of "Bend Loop" comes from residential demand?" CC&B data doesn't run on a "month to month" basis, so had to be "shifted forward" 1 month to match values to day of month. The IRP team then worked with the GIS group to get even more accurate allocations.

Slide #35 – **Demand Forecast Example**

This sample shows the results to the query above regarding Bend Loop.

Question: Mark asked what units this represented.
Answer: Brian answered "Dth's"

Brian stated that in the columns titled with month names, there are "seasonality indicators". Also, after shifting from city level allocations to County are made. Then after that the county customer forecast is allocated to citygate.

Slide #37 – Brian shows here how customer count, population, and employment factors are used.

Slide #39 – Brian explained here that this is the formula using SAS software for Autoregressive Integrated Moving Average (ARIMA) modeling and goes through the next few slides explaining the technical aspects of this methodology.

Slide #40 – Brian explained the way statistical analysis is used in the customer forecast.

Slide #42 – The final demand forecast includes year, month, rate class & citygate. Each model was done as using ARIMA, removing non-significant variables, using Akaike info. & MAPE. The demand forecast per customer is then applied to the customer forecast and that makes up the monthly demand forecast.

Slide #43 – Brian explained that there is demand which is not influenced by weather, for example, a customer may ramp up usage based on the season. Cascade now leaves this non-weather demand in the model, rather than removing it.

Slide #44 – This is an example of the city "Moxee" using seasonal monthly indicators, where you see the "ramp up" captured in September!

Slide #47 – Brian explained this slide shows the forecast results, with WA in blue and OR in green.

Slide #48 – This slide discusses the "growth scenarios" used in the model and Slide #49 shows the 7 weather stations associated with each citygate and loop.

Slide #50 – This slide discusses the "weather scenarios" used in the Monte Carlo weather simulations associated with the forecast.

Slide #51 – Brian shows a page of the resulting Demand Forecast including 6 areas through 9 months of 2017. Oregon citygates are shown in green. The Washington forecast is broken down by district & zone.

Slide #52 – Brian explained how the peak day forecast was created, showing the system weighted HDD on Slide #54.

Brian stated the max peak day was on 12/21/1990 - 56° weighted HDD. Our peak day was 11 degrees colder than this most recent winter.

Slide #55 – Brian discussed the value of the average peak day forecast.

Slide #57 – Citygate peak day forecast – Brian stated that this assumes every single weather location has their coldest day on the same date!

Slide #58 – Citygate peak day forecast – allows planning for coldest day at each weather location. On Slide #58, the max & citygate peak HDD's are shown.

Slide #60 – Is an example of one location's forecast from 2018 – 2037. Not all forecasts show a decrease as does this Gilchrist graph, most of the bigger cities showed growth, Brian said!

Slide #66 – This shows Bend Loop growth to 2037. The biggest growth is 1.5m Dth over 20 years. As shown on Slide #68, there is planned growth for the Bend, OR area.

Question: Mark asked Deborah if she would like the model results in the Narrative or Appendix of the IRP.
Answer: Deborah stated in the Appendix.

Slide #69 – Shows Cascade's "zonal" map = citygates by zone.

Slide #70 – Shows growth in the Baker City and Nyssa-Ontario areas – zone 24. On Slide #71 Zone GTN goes from 55m to 80m Dth!

Slide #73 – Shows Oregon's annual Therm usage – 80m to 120 m therms.

Slide #75 –This slide shows total system annual Therm usage over the forecast period. Devin McGreal stated that the group started to indicate a trend variable, numerical that goes up by 1 and comes with a coefficient. When added in, it is a negative. This trend effectively captures the heating of 1 new house into the modeling.

Mark then went over questions and the next steps in the IRP process:

Mark asked the group if they wanted to see the same information for peak day, the group answered yes, they felt it was relevant.

At the next meeting, there will be:

1. An update to any action items (such as an answer to the earlier question about assumptions in the model.
2. The next meeting is July 19th and includes "distribution planning".

Mark asked for any final comments:

Bob stated that the regarding staffing needs, in light of the hedging review/policy, will continue to be monitored and thanked the team for their hard work on this presentation!

Question: Garrett Senger asked if the next tag meeting on July 19th is a "firm" date.
Answer: Mark said yes!

**Mark thanked everyone for their participation today!**

# Cascade Natural Gas Corporation

## Integrated Resource Plan
## Technical Advisory Group Meeting #2

Wednesday, July 19, 2017

Public Utility Commission of Oregon

Salem, OR

CASCADE NATURAL GAS CORPORATION
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# Agenda

- **Introductions**
- **IRP Action Plan Update**
- **Distribution System Planning**
- **Current Supply Resources & Transportation Issues**
- **Alternative Resources**
- **Price Forecast**
- **Avoided Cost Calculation**
- **Planned Scenarios and Sensitivities**
- **Upcoming Schedule**
- **Questions**

# IRP Action Plan Update

| 2014 IRP Action Item | Update |
|---|---|
| 1. Cascade will improve its demand forecast by developing a report to track the issuance of corrected bills and reclassifying therms from corrected bills to the month those therms were used. In its next IRP, Cascade will use its new Statistical Analysis Software (SAS) to test non-linear weather effects on natural gas, to perform analysis on potential serial correlation problems, and to create a time series autoregressive integrated moving average (ARIMA) model for customer forecasting. | As stated in TAG 1 Cascade now forecasts usage per customer by customer class. MDUR is in the process of developing the report to track the issuance of corrected bills and reclassifying therms for all of their LDCs. Cascade is currently using SAS for its statistical analysis to create an ARIMA model for customer forecasting. Cascade is exploring the possibility of expanding its software library to include R for auto ARIMA functionality and other uses. |
| 2. Cascade will continue to monitor outside determinants of natural gas usage, such as legislative building code changes and electrical "Direct Use" campaigns as they are determined to significantly affect the Company's forecast. | Since the 2014 Action Plan, Cascade has monitored the following legislation, campaigns, and other external actions with the potential to influence natural gas use in the States of Washington and Oregon: - National standard practice manual, Portland renewable energy goals, gas to electric fuel switching, HB-2711 moratorium on hydraulic fracturing for oil and gas exploration and production, several Washington state bills on Carbon taxes, deep decarbonization, and the clean air rule. |
| 3. Cascade will continue to monitor the effectiveness of the Oregon Public Purpose Fund to ensure the funds are adequate to capture significant portions of achievable therm savings in Oregon. | Since the 2014 IRP, Cascade has made two filings to increase its public purpose charge to ensure funding would be sufficient to acquire the therm savings target established in the IRP as a least cost resource: Advice No. O15-12-01 on December 11th, 2015 to increase its public purpose charge from 1.85% to 3.7% (reduced to 3.4% before Commission approval) and Advice No. O16-10-01 on October 31st, 2016, in which the Company asked to increase the Public Purpose Charge from 3.4% to 4.87%. |
| 4. The company will continue to follow and analyze the impacts of the Western Climate Initiative and proposed carbon legislation at both the state and federal level as they pertain to natural gas conservation, as well as other such acts that may arise from these efforts. The company will continue to monitor the timing and the costs associated with carbon legislation and analyze the impacts on the company's overall portfolio costs. As specific carbon legislation is passed, the company will update its avoided cost calculations, conservation potential and make modifications to its DSM incentive programs as necessary. | The Company has continued to monitor the Western Climate Initiative and proposed carbon legislation since the 2014 Action Plan. While no significant action has been taken on the WCI with impacts to the Company, the Company is actively following the current legislation and is monitoring the potential impacts to portfolio costs. |

# IRP Action Plan Update Cont'd

| 2014 IRP Action Item | Update |
|---|---|
| 5. The company will continue to monitor the cost effectiveness of existing conservation measures and emerging technologies to ensure that the current mix of measures included in the Washington Conservation program is appropriate. Areas for further analysis include the impacts associated with modifications to building codes along with the cost effectiveness of newer technologies such as the next generation of high efficiency water heaters (.70 EF) and high-efficiency hybrid heat pumps. The applicability of these measures within Cascade's service territory will be analyzed and the company's Conservation Incentive Program will be modified as necessary. | Cascade continually monitors the region and natural gas industry on currently available technology advancements as part of our Washington incentive programs. We reevaluate the portfolio cost-effectiveness paired with current technology and update install costs to maintain viability and as robust of a program as feasible. The Company is also engaged with the Northwest Energy Efficiency Alliance market transformation collaborative in coordination with other local utilities and the Energy Trust of Oregon as well as the Gas Technology Institute's emerging technology program to stay abreast of new technologies and opportunities for additions and changes to the Company's offerings.<br><br>The Company also maintains a Trade Ally network for our Washington programs and routinely connects with local contractors to gauge availability of product and costs associated with installs of rebate eligible equipment and measures. The landscape is constantly evolving and Cascade works with its partners and local agencies and builders (including home builder associations) to track building code updates as well as changes to industry standards. |
| 6. The Company will continue to monitor the potential reporting, administrative and potential financial impacts of long term resources as a result of concerns surrounding fracking. In particular we are awaiting the EPA to reveal the results of their current study in alleged water contamination found in Wyoming as a result of fracking activities. | In December 2016 the EPA published its final report on fracking. The comment period ended January 2017. Cascade is reviewing the final report and will provide a slide update at TAG 3. |

# IRP Action Plan Update Cont'd

| 2014 IRP Action Item | Update |
|---|---|
| 7. Cascade will continue to evaluate gas supply resources on an ongoing basis, including supplies of varying lengths (base, swing, peaking) and pricing alternatives. We will continue to analyze the uncertainties associated with supply and demand relationships. | On June 26th Cascade's Gas Supply Oversight Committee (GSOC) met and was provided an update on the 2017 portfolio procurement plan, which included recent market intelligence and updated pricing. In TAG 3 the company will discuss its supplies of varying lengths and pricing alternatives. |
| 8. The Company will continue to monitor the proposed pipeline expansion projects to access more supplies out of the Rockies. As cost estimates change, the company will analyze those resources under consideration to determine if modifications to the preferred portfolio are necessary. | Cascade will be discussing all potential pipeline expansions during today's TAG meeting. |
| 9. As part of the Cascade's risk management policy and implementation, the Company will report on the status of the UM 1720 as well as related risk management policy enhancements to Cascade's risk management policy, at the first Purchased Gas Adjustment (PGA) quarterly meeting with OPUC Staff in early 2017. This docket is the Commission's Investigation into Long Term Hedging Policy. | The first planned PGA quarterly meeting was postponed due to scheduling conflicts. Cascade provide an update during today's TAG meeting. |
| 10. The Company will continue to explore options to incorporate biogas into its portfolio, as specific projects are identified in our service territory. Price, location and gas quality considerations of the biogas supply will be evaluated. | Cascade has filed a Biomethane Reciept Services (Schedule 800) in Oregon to estabilsh biogas injection terms, conditions and gas quality requirements. Cascade continues to work with possible biomthane producers and evaluate those projects for possible future core supplies. |
| 11. The Company will continue to monitor proposed LNG import facilities as information becomes available and will evaluate the various options that, if built, could result. Issues to monitor include specific cost, the availability of pipeline capacity and project timing. | After consultation with upstream pipelines, Cascade has determined that a pipeline expansion is a more prudent long-term solution. |
| 12. The Company will continue to monitor the futures market for price trends and will evaluate the effectiveness of its risk management policy. Implementation of Dodd- Frank in the coming year raises potential administrative challenges from a reporting standpoint; additionally it is unknown how the costs associated with the use of clearinghouses might impact prices of natural gas in the future. | Cascade has updated its price forecast to modify its weights based on a backcast of the accuracy of its sources. At this time the price impacts of Dodd-Frank and hedging related dockets such as UM 1720 and UG-132019 continues to be unknown. The Company will continue to provide updates in coming TAG meetings. |

# Distribution System Planning

CHRIS BOLTON, ENGINEER II

TECHNICAL ADVISORY GROUP
JULY 19TH, 2017

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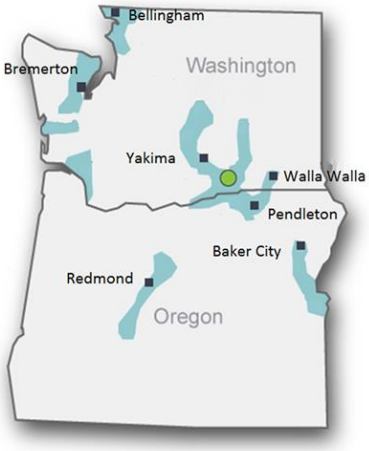
# Outline

- Company overview
- Network Design Fundamentals
- Interstate Pipeline Companies
- Software Technology
- Data Gathering
- Data Analysis
- System Enhancement Techniques
- Future Planning Process Flow
- Future Projects

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# CNGC System Overview

Pipeline:

- Diameter – ½” to 20”
- Material – Polyethylene and Steel
- Operating Pressure - 20 psi to 900 psi
- Washington – approx. 4,744 miles of distribution main
- Oregon – approx. 1,604 miles of distribution main

# CNGC System Overview Cont'd

Facilities:

- Regulator stations – Over 700
- Valves – Over 1600
- Also other equipment such as heaters, odorizers, and compressors

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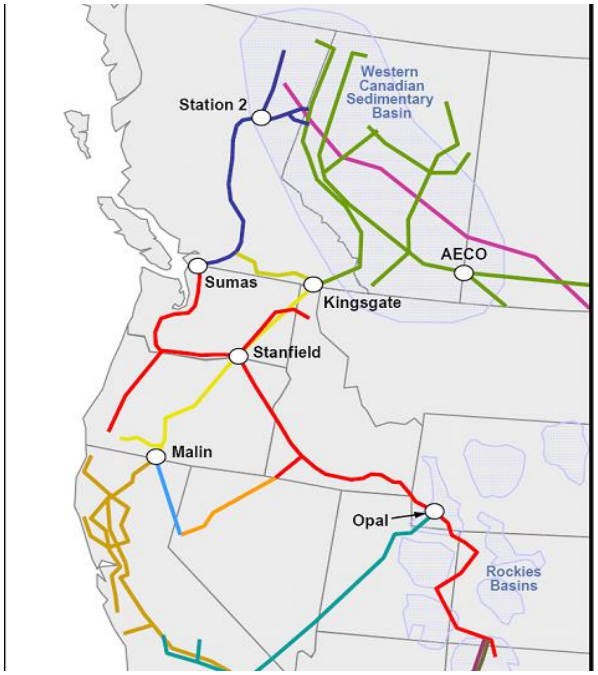
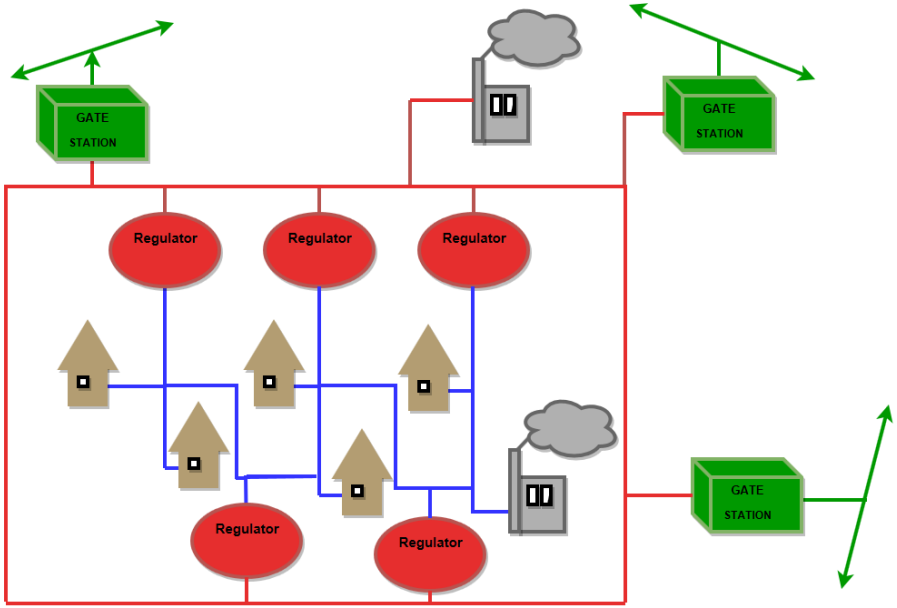
# Where do we get our gas?




- Many interstate pipeline companies
- Williams Northwest Pipeline (Red)
- Transcanada Pipelines (Yellow)
- Enbridge Pipelines (Dark Blue)

# Network Design Fundamentals

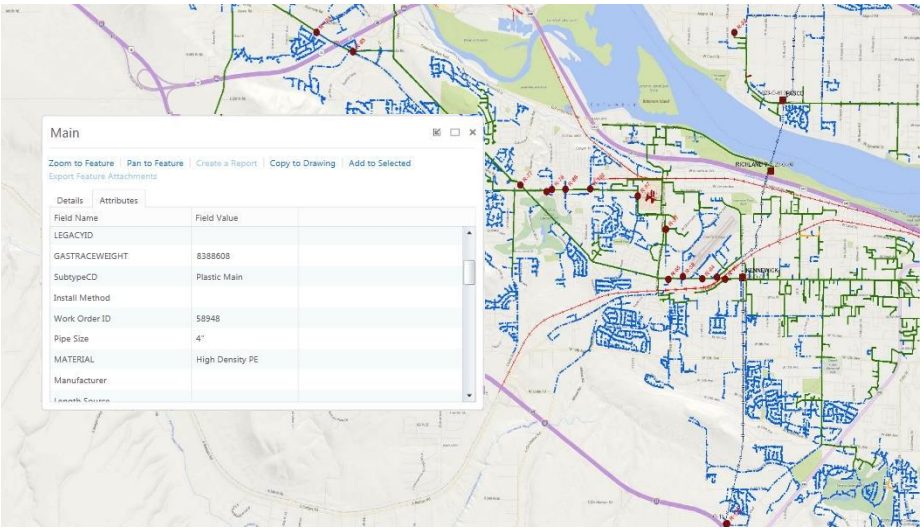



Keys:

- Gate station capacity
- Reg station placement
- Pipe size and grid

# GIS – Geographic Information System

- GIS system keeps an up-to-date record of pipe and facilities complete with all system attributes




- Pipe Size (Dia.)
- Material
- Date of install
- Operating Pressure
- Work Order
- Etc…

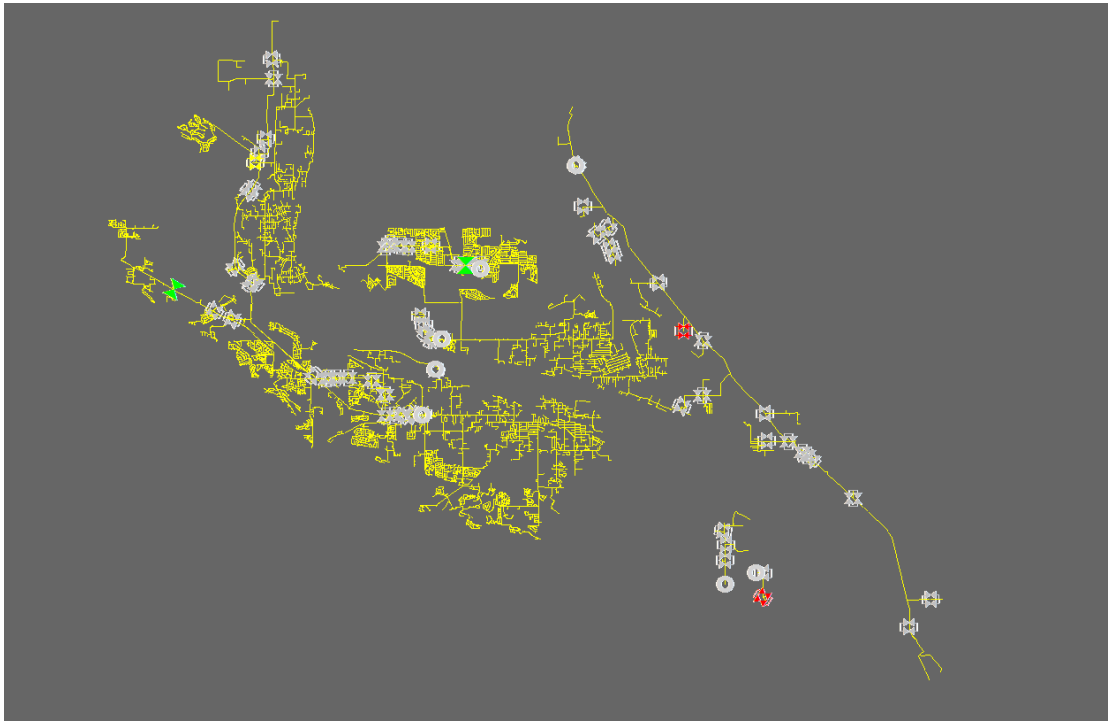
# System Modeling

…Using internal GIS environment and other input data CNGC is able to create system models through the software – Synergi.

What is Synergi?

- Software to theoretically model piping and facilities to represent current pressure and flow conditions while also predicting future events and growth.

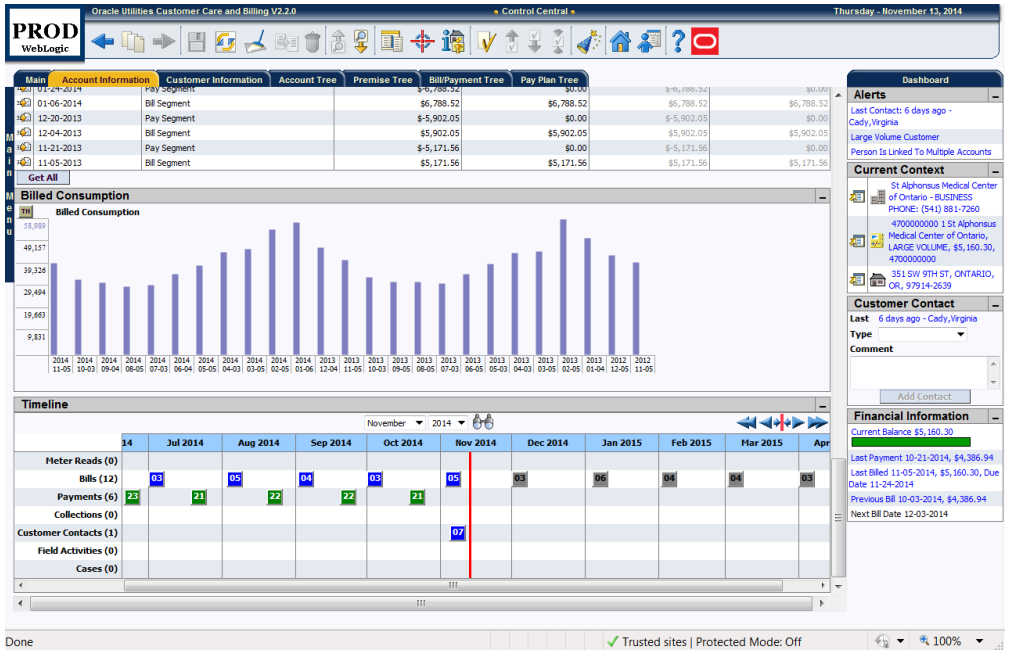
# Model Example



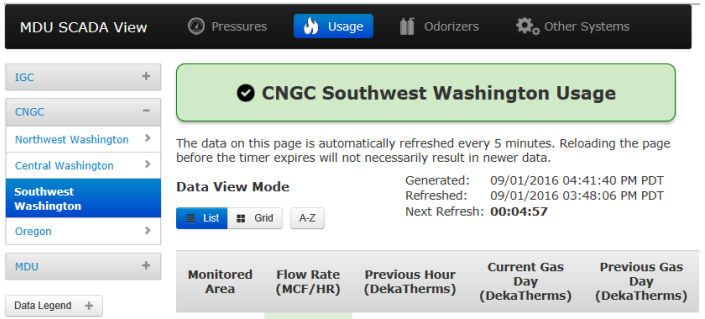
How do we make this model accurate?

# Data Gathering

- CC&B (customer billing data)



# Data Gathering Cont'd




| Monitored Area | Flow Rate (MCF/HR) | Previous Hour (DekaTherms) | Current Gas Day (DekaTherms) | Previous Gas Day (DekaTherms) |
|---|---|---|---|---|
| Puget Sound NS Run1 | 56.5 | 61 | 538 | 1652 |
| Bremerton Gate Run1 | 90.5 | 99 | 906 | 2454 |
| Shelton Gate Total | 232.1 | 259 | 2399 | 5829 |
| Mc Cleary Gate Run1 | 207.7 | 216 | 1837 | 4884 |
| South Longview Gate Total | 1620.9 | 1569 | 11624 | 21984 |
| Kelso Gate Total | 787.1 | 816 | 6508 | 15172 |
| Kalama Gate Total | 199.8 | 225 | 1914 | 5435 |
| Co Gen Run1 | 0.0 | 0 | 0 | 0 |
| Fibre Mill Run1 | 448.4 | 475 | 4271 | 7952 |
| Mint Farm Run1 | 1912.2 | 1923 | 13754 | 28647 |

- SCADA Data : Real time and historical flow characteristics at specific locations in the system.

# Data Gathering Cont'd

- IRP Customer Growth

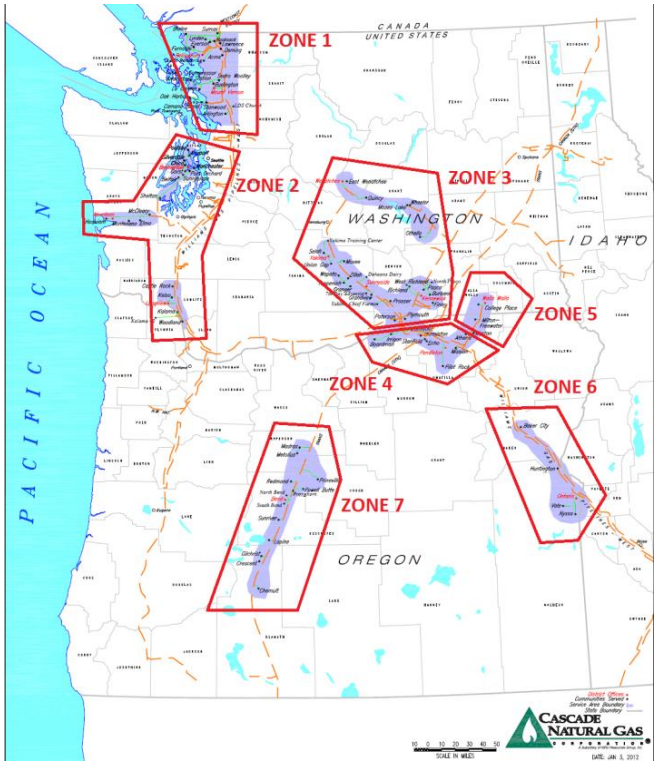
| Year | Baker | Umatilla | Hermiston | Huntington | Milton-Freewater | Mission Tap | Pendleton | Prineville | Redmond | Pronghorn | Bend Loop |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.77% | 1.41% | 1.28% | 0.75% | 1.15% | 1.22% | 1.31% | 1.92% | 2.45% | 2.24% | 2.46% |
| 2019 | 0.78% | 1.55% | 1.38% | 0.75% | 1.21% | 1.48% | 1.40% | 1.89% | 2.42% | 2.02% | 2.44% |
| 2020 | 0.78% | 1.55% | 1.45% | 0.86% | 1.27% | 1.46% | 1.48% | 1.83% | 2.39% | 1.81% | 2.42% |
| 2021 | 0.78% | 1.62% | 1.52% | 0.85% | 1.42% | 1.38% | 1.54% | 1.82% | 2.40% | 2.57% | 2.40% |
| 2022 | 0.79% | 1.61% | 1.57% | 0.67% | 1.38% | 1.54% | 1.61% | 1.78% | 2.36% | 1.93% | 2.38% |
| 2023 | 0.80% | 1.70% | 1.64% | 0.89% | 1.43% | 1.82% | 1.66% | 1.75% | 2.35% | 1.83% | 2.36% |
| 2024 | 0.80% | 1.73% | 1.68% | 0.72% | 1.55% | 1.55% | 1.71% | 1.72% | 2.32% | 2.17% | 2.34% |
| 2025 | 0.80% | 1.70% | 1.73% | 0.77% | 1.59% | 1.84% | 1.76% | 1.69% | 2.31% | 1.76% | 2.32% |
| 2026 | 0.80% | 1.82% | 1.78% | 0.93% | 1.59% | 1.73% | 1.81% | 1.67% | 2.28% | 1.76% | 2.30% |
| 2027 | 0.81% | 1.81% | 1.81% | 0.65% | 1.54% | 1.70% | 1.85% | 1.63% | 2.25% | 2.08% | 2.28% |
| 2028 | 0.81% | 1.84% | 1.86% | 0.86% | 1.70% | 1.97% | 1.89% | 1.61% | 2.24% | 1.69% | 2.25% |
| 2029 | 0.81% | 1.77% | 1.90% | 0.80% | 1.75% | 1.85% | 1.92% | 1.58% | 2.20% | 1.80% | 2.23% |
| 2030 | 0.82% | 1.89% | 1.92% | 0.95% | 1.70% | 1.92% | 1.95% | 1.53% | 2.18% | 1.99% | 2.21% |
| 2031 | 0.82% | 1.89% | 1.95% | 0.68% | 1.78% | 1.89% | 1.98% | 1.54% | 2.16% | 1.90% | 2.17% |
| 2032 | 0.81% | 1.86% | 1.97% | 0.99% | 1.77% | 1.93% | 2.00% | 1.50% | 2.11% | 1.60% | 2.13% |
| 2033 | 0.81% | 1.89% | 1.98% | 1.13% | 1.79% | 2.04% | 2.02% | 1.49% | 2.08% | 1.70% | 2.10% |
| 2034 | 0.82% | 1.87% | 2.01% | 0.92% | 1.80% | 1.98% | 2.03% | 1.46% | 2.06% | 1.91% | 2.07% |
| 2035 | 0.81% | 1.94% | 2.01% | 0.81% | 1.96% | 2.08% | 2.05% | 1.45% | 2.02% | 1.49% | 2.04% |
| 2036 | 0.81% | 1.95% | 2.03% | 0.85% | 1.91% | 1.94% | 2.06% | 1.43% | 1.99% | 1.62% | 2.01% |
| 2037 | 0.80% | 1.87% | 2.05% | 0.74% | 1.91% | 2.11% | 2.06% | 1.40% | 1.97% | 1.59% | 1.98% |
| Average Annual Growth | 0.80% | 1.76% | 1.77% | 0.83% | 1.61% | 1.77% | 1.80% | 1.63% | 2.23% | 1.87% | 2.25% |

# Data Gathering Cont'd

- Peak Heating Degree Day (HDD) in the different CNGC weather zones.
- Uses historical weather data to determine which degree day matches which zone.

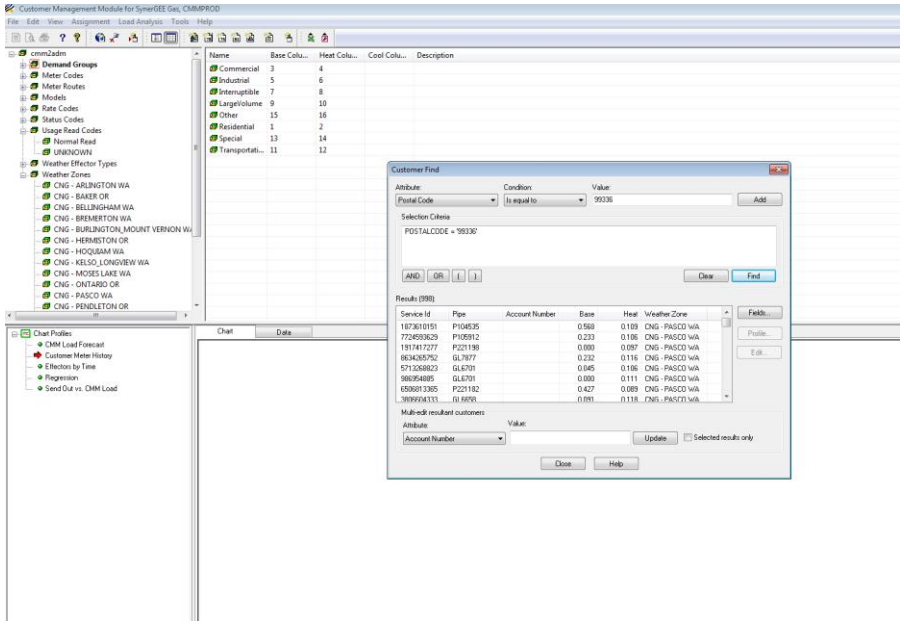
Peak HDD = 60 - average daily temp

# CNGC Weather Zones




| System Peak Day | 12/21/90 |
|---|---|
| System Peak HDD | 56 |
| Zone 1 | 46 |
| Zone 2 | 46 |
| Zone 3 | 58 |
| Zone 4 | 67 |
| Zone 5 | 65 |
| Zone 6 | 70.5 |
| Zone 7 | 70.5 |

# Customer Management Module (CMM)




- Software that compiles data from CC&B, HDD, and/or growth studies to manage customer loads.
- Works directly with Synergi to input customer data and represent pressures and flows in the model.



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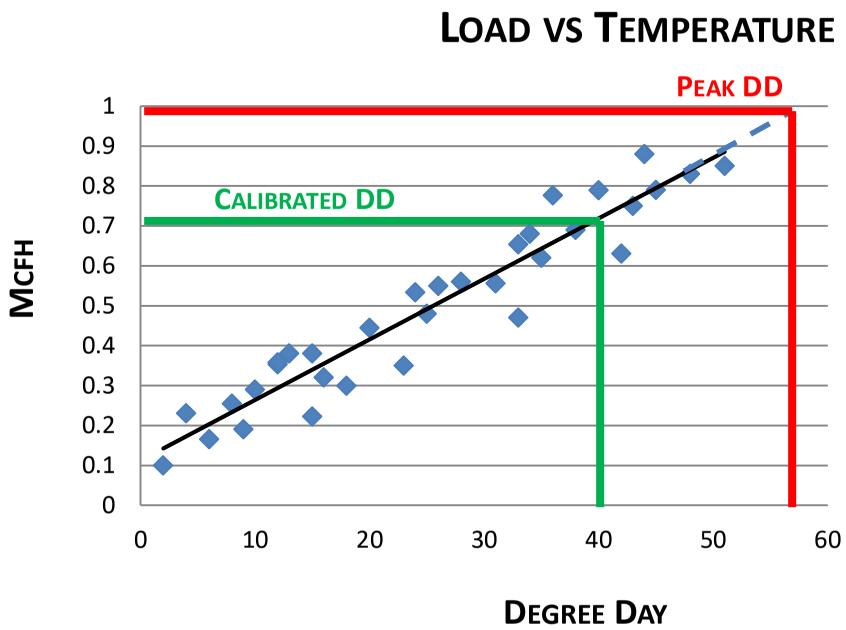
# CMM → Synergi

- Conversion can result in 3 model types:
  - Calibrated model – model to represent a specific date and time.
  - Design Day Model – Uses the peak HDD for selected areas to simulate a cold weather (worst case scenario).
  - Growth model - Uses design day model along with growth data to predict future projects.

# Calibrated vs Degree Day

- Different loads will be applied to each customer




$y = 0.0152x + 0.1118$

HEAT BASE

**40 DD = 0.72 MCFH**

**58 DD = 0.99 MCFH**



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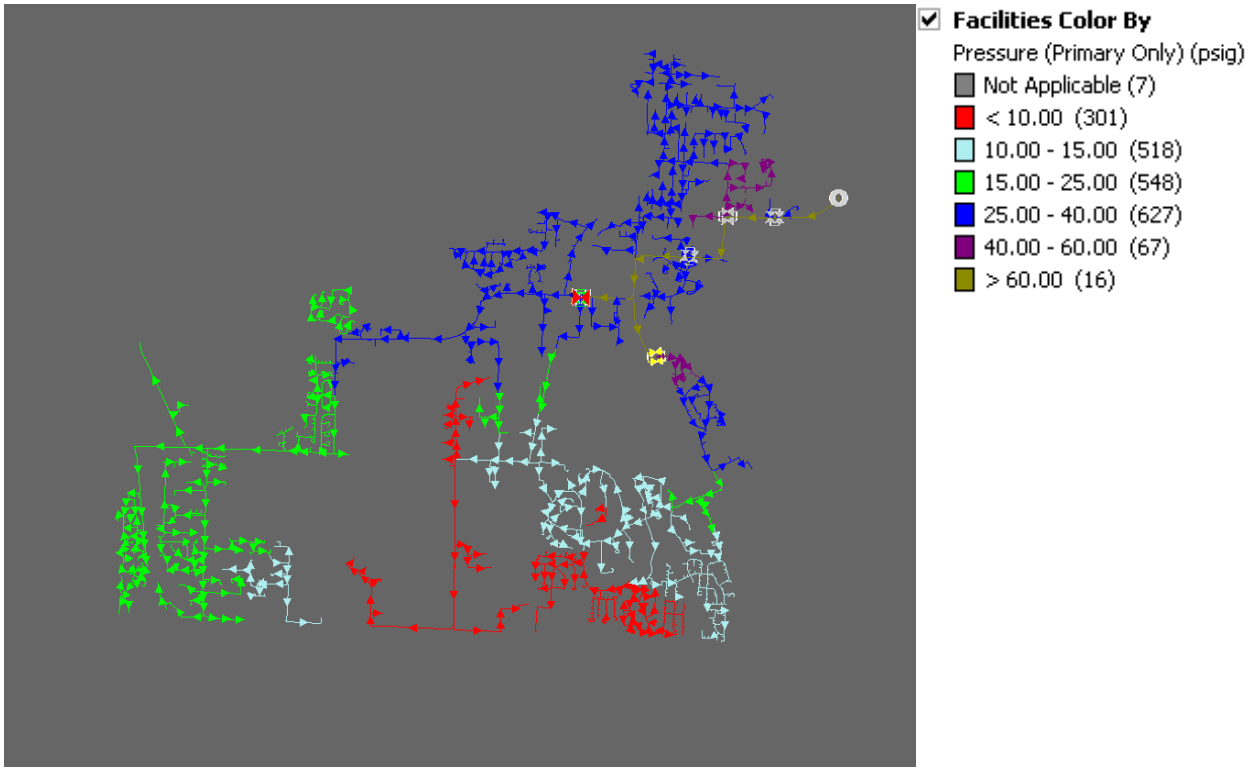
# System Modeling Cont'd

- All customers are loaded based upon base and heat trend.
- Growth model – works with design day model and customer growth numbers to simulate pressures and flows in the future.
- Benefits of the models:
  - Customer requests
  - Future planning
  - System reliability
  - Optimizing potential reinforcement

# Synergi

- Theoretical low pressure scenario



# Capacity Enhancement Options

- Pipes:
  - Replacements
  - Reinforcements
  - Loops
- Regulator Stations
- Compressors

# Pipe Enhancements

**PROS**

- Reliable capacity
- Low maintenance
- Permanent

**CONS**

- Can be expensive
- Potential land acquisition/permitting issues

# Reg Station Upgrades/Installs

**PROS**

- Adds source pressure to alternate system location
- Increases flow control
- Increases pressure control

**CONS**

- Long term regulator and valve maintenance
- High installation/fabrication costs
- Potential land acquisition issues

# Compressor Stations

**PROS**

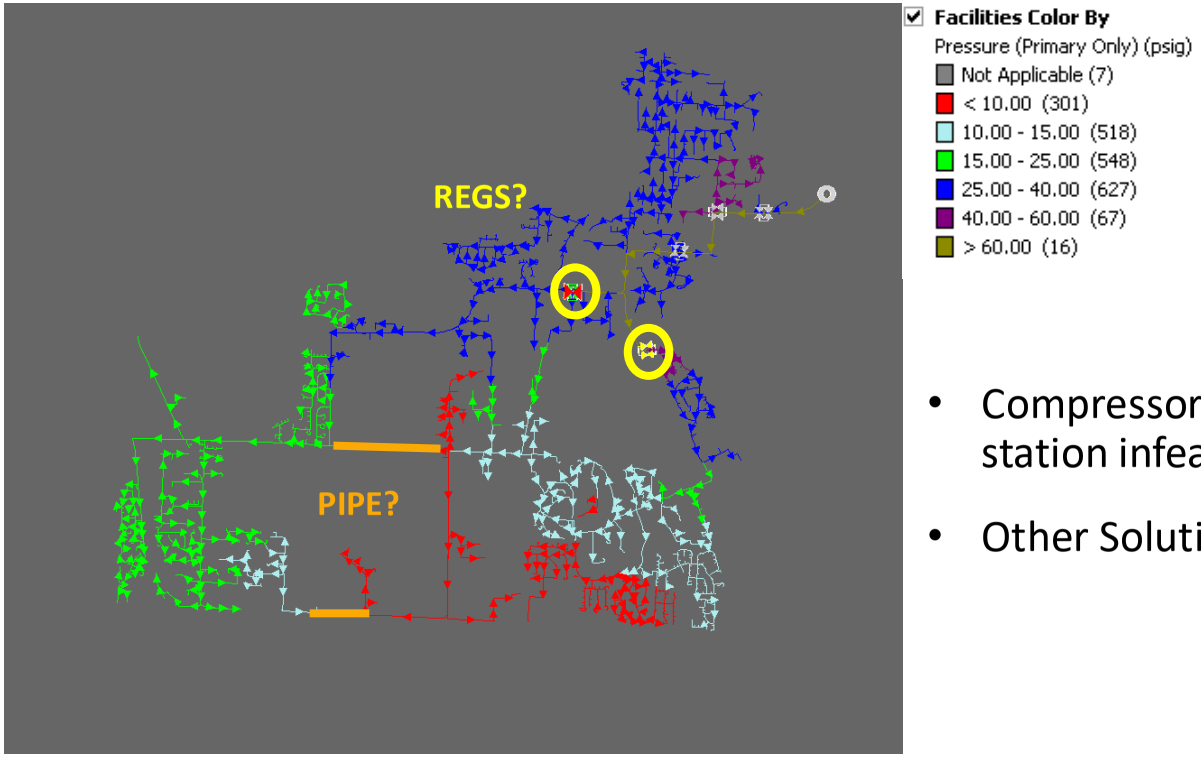
- Adding capacity at lower initial cost
- Less land required
- Situational operation

**CONS**

- Continuous maintenance/training
- Cost of fuel consumption
- Emissions/permitting
- Beneficial only on transmission type lines

# Synergi

- Low pressure scenario




- Compressor station infeasible
- Other Solutions?



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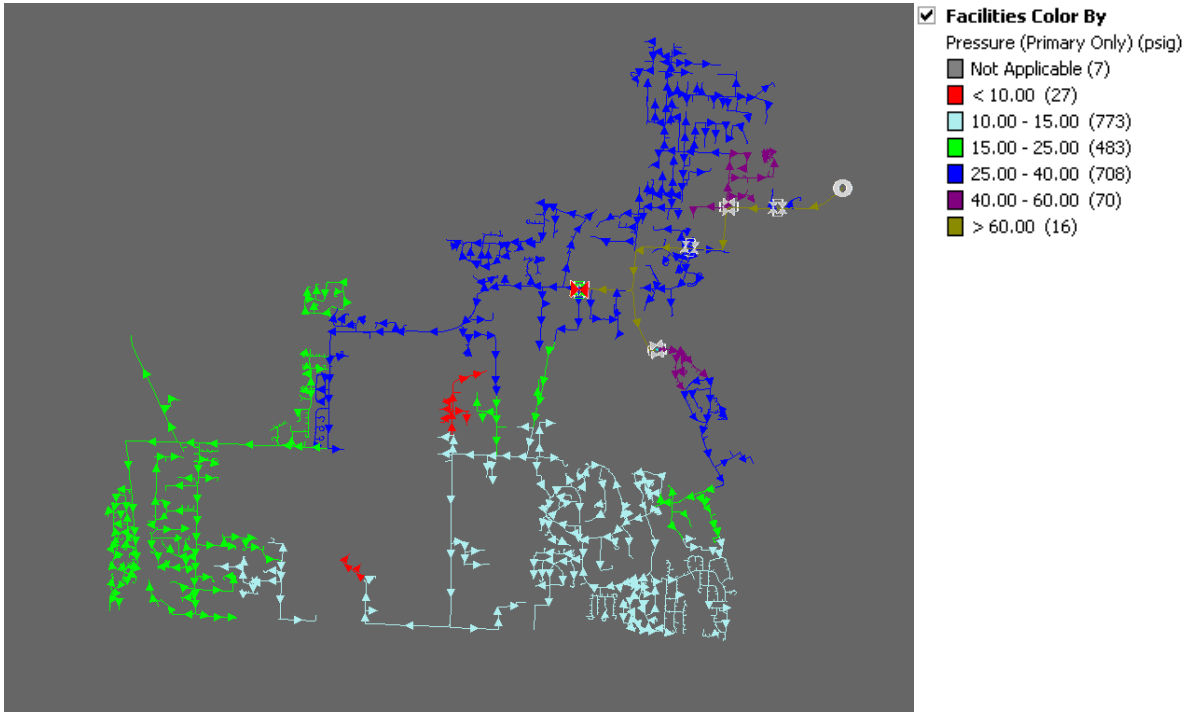
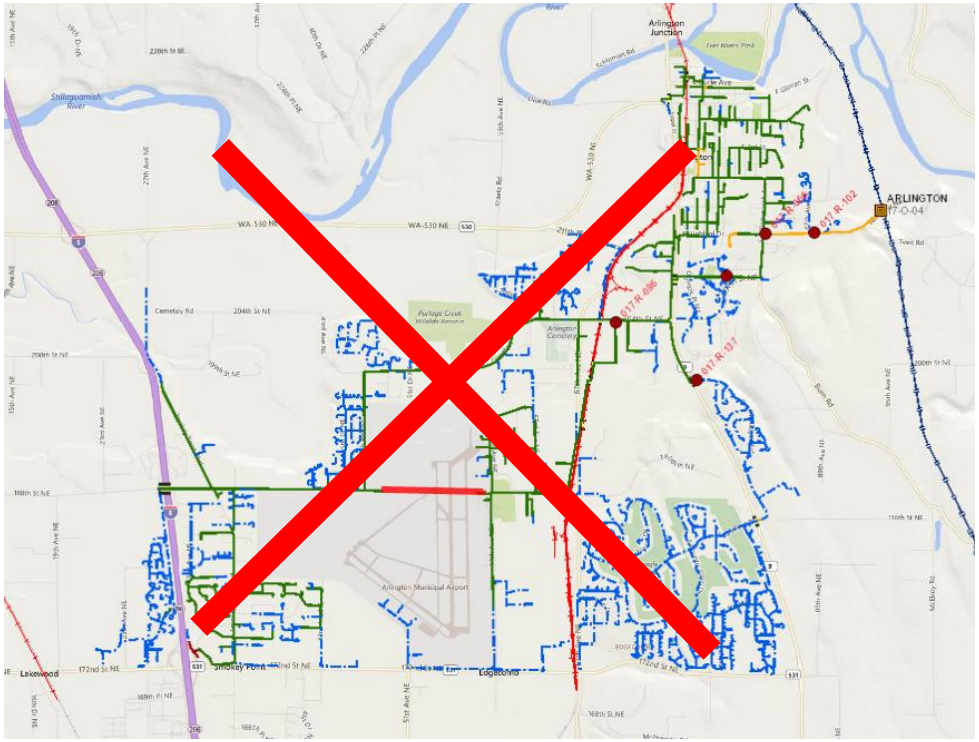
# Synergi

- Possible solutions – raising reg station set points



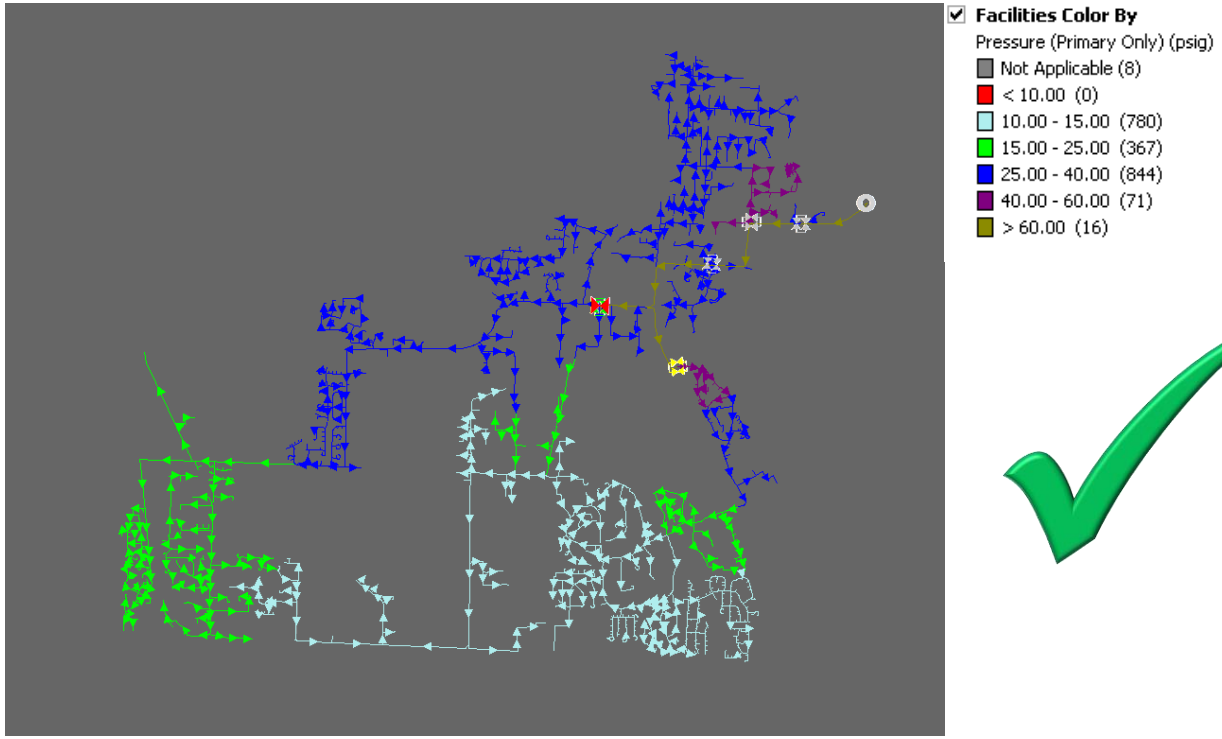
# Synergi

- Reinforcement option #1

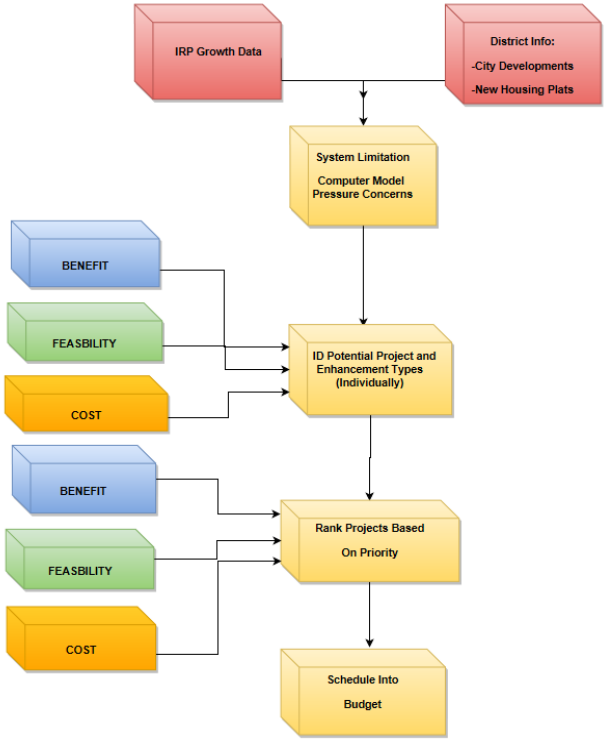


# Synergi

- Reinforcement option #2



# Project Process Flow




Info & Data

Project & Schedules

# CNGC Future Projects

- Example upcoming growth projects

| Location | 2017 | 2018 | 2019 |
|---|---|---|---|
| Pilot Rock 4” IP PE Reinforcement | $ 219,566 | | |
| Bend 8” HP Steel Reinforcement | | $ 1,930,648 | |
| Bend 4” IP PE Reinforcement | | | $ 185,210 |

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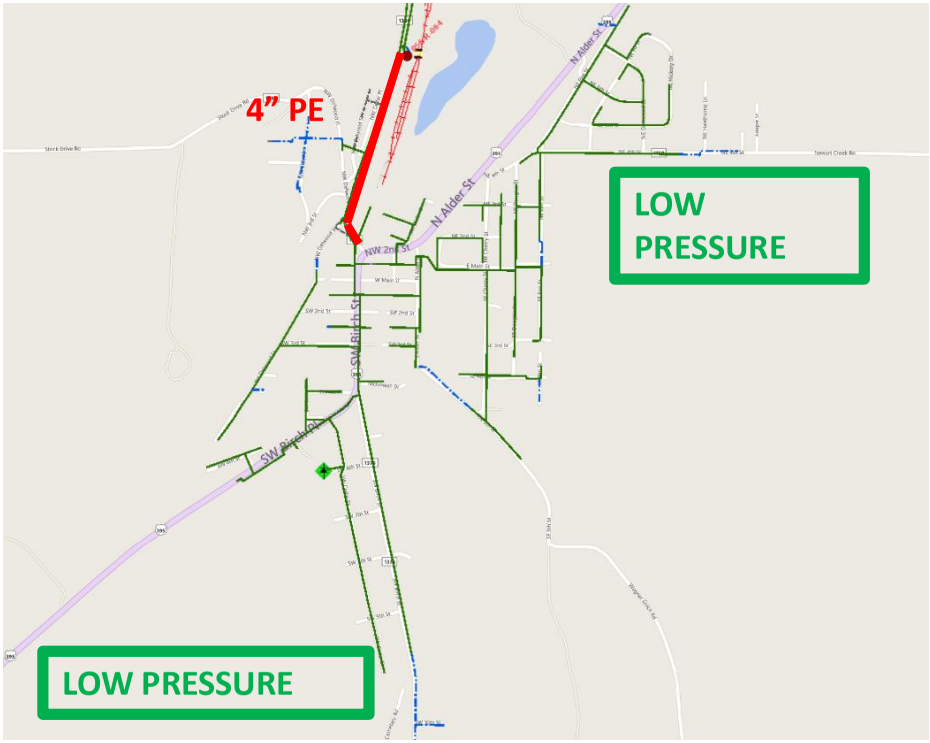
# Pilot Rock 4” IP PE Reinforcement




- 2017 project
- 1,950’ of 4” PE
- Have experienced low pressure during peak heating
- Allow for growth in system



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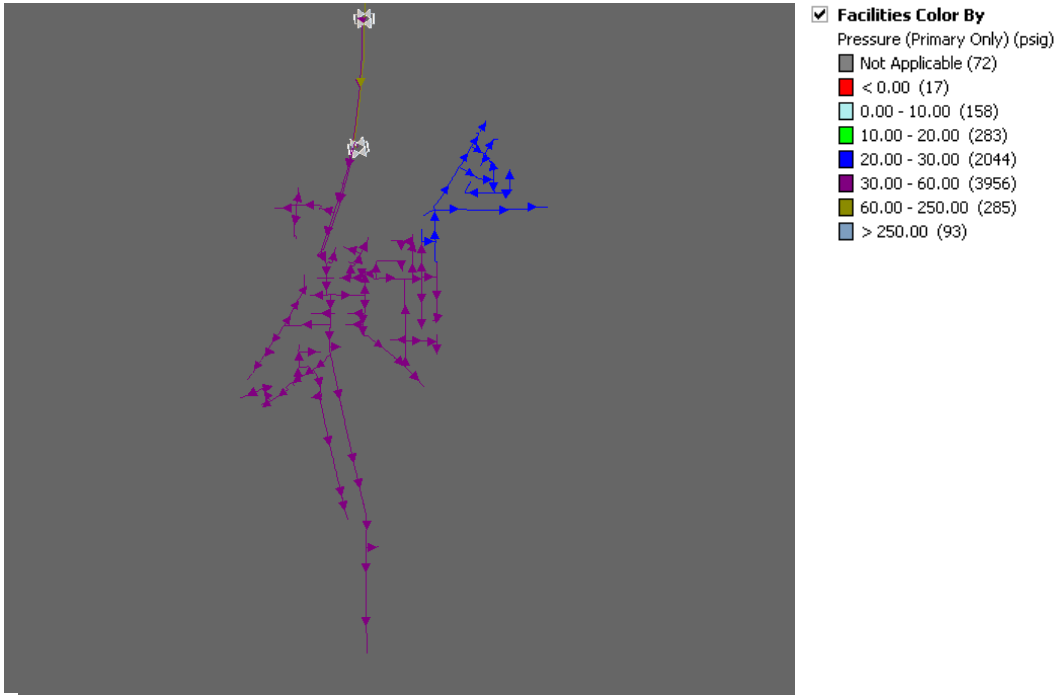
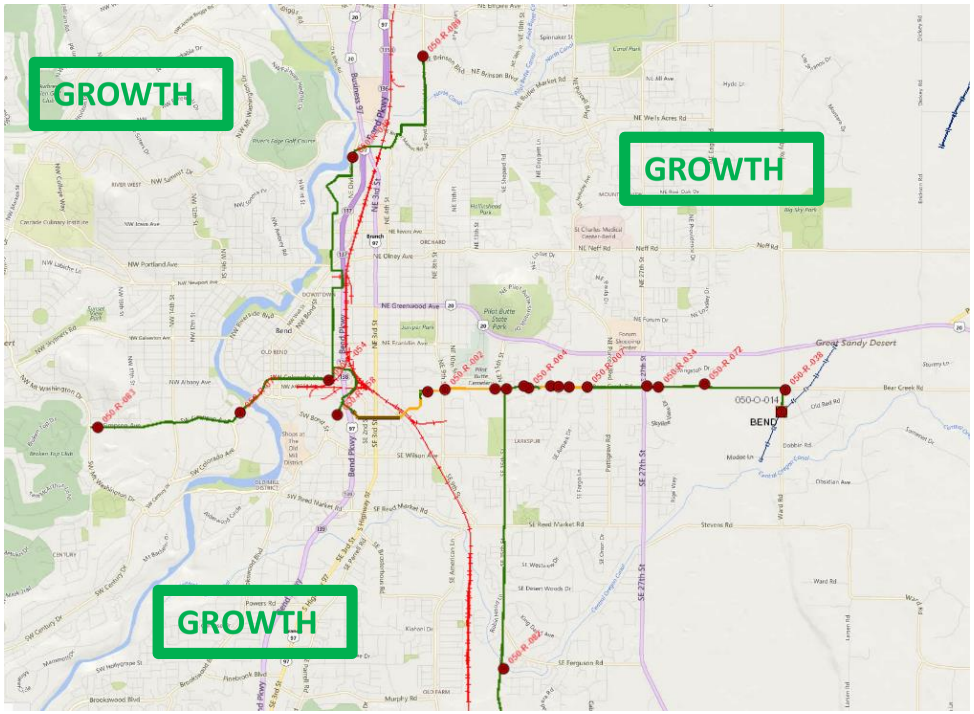
# Pilot Rock 4” IP PE Reinforcement

- Design day pressure before/after



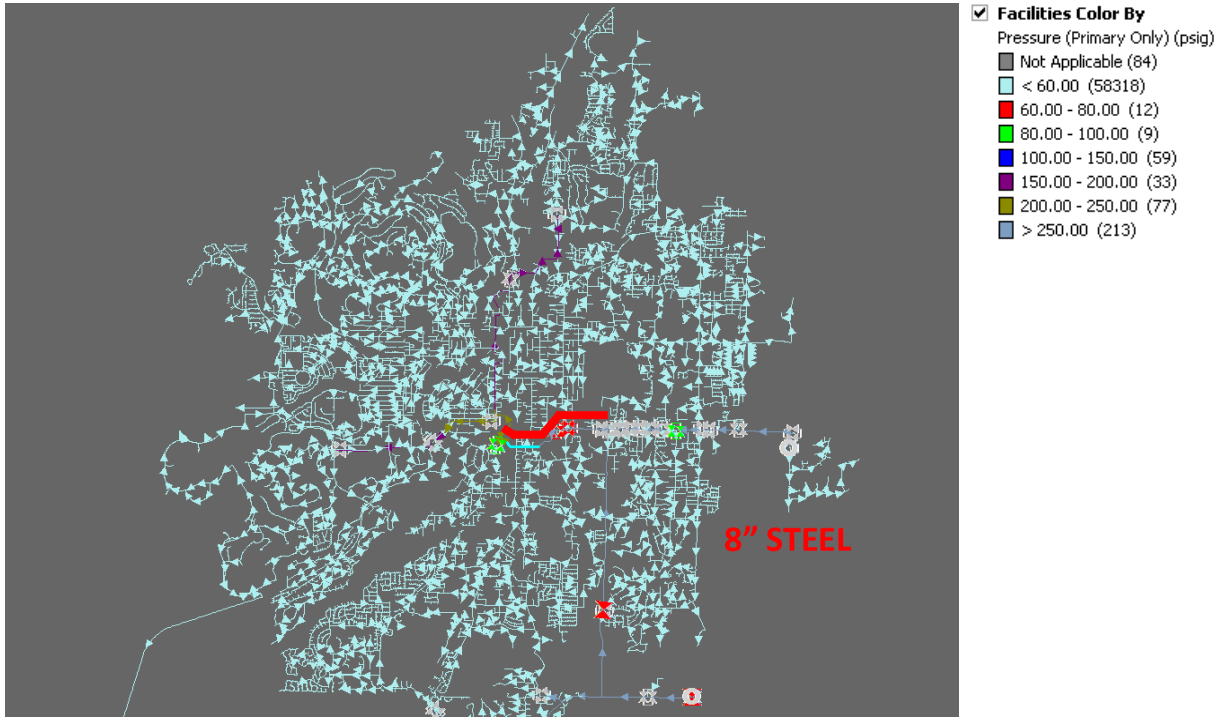
# Bend 8” HP Steel Reinforcement




- 2018 project
- 6,400’ of 8” HP Steel
- Pressure loss in high pressure lines
- Allow for growth in the entire district

# Bend 8” HP Steel Reinforcement

- Design day pressure before/after

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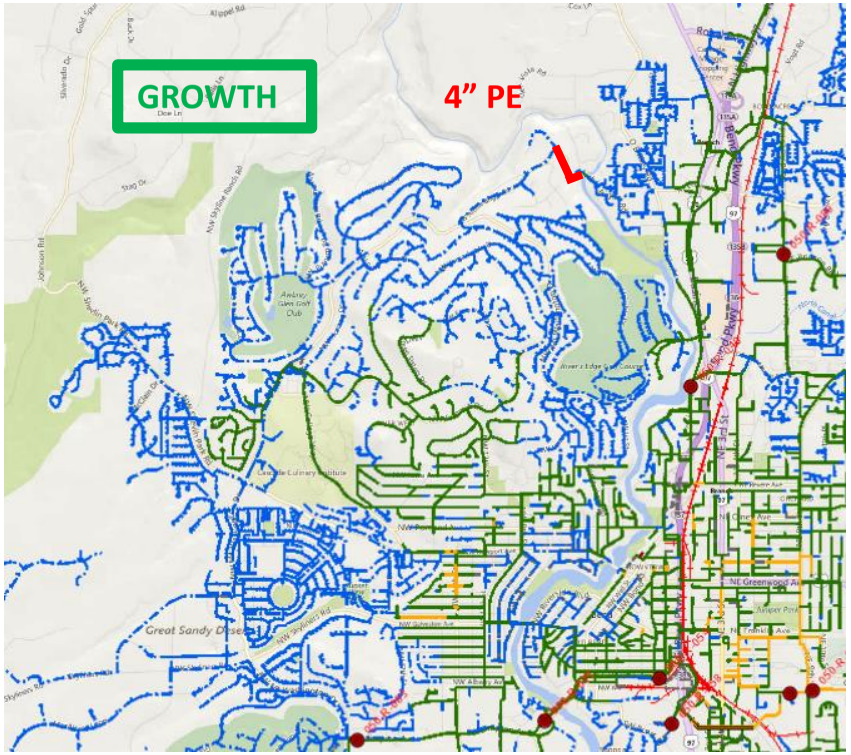
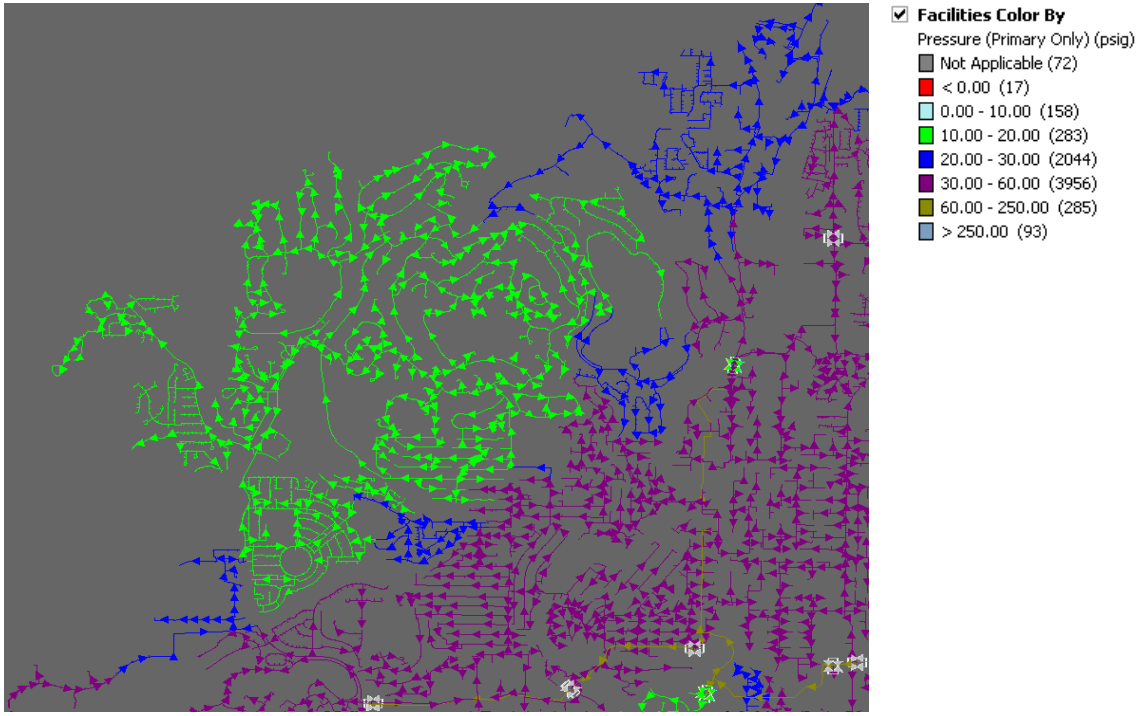
# Bend 4” IP PE Reinforcement




- 2019 Project
- Growth all over the Bend Area
- Short reinforcement will enhance capacity to NW area

# Bend 4” IP PE Reinforcement

- Model pressure before/after project



# Conclusion

- CNGC uses technology to gather data, analyze, plan, and design a reliable, safe and economical distribution system.

**QUESTIONS?**



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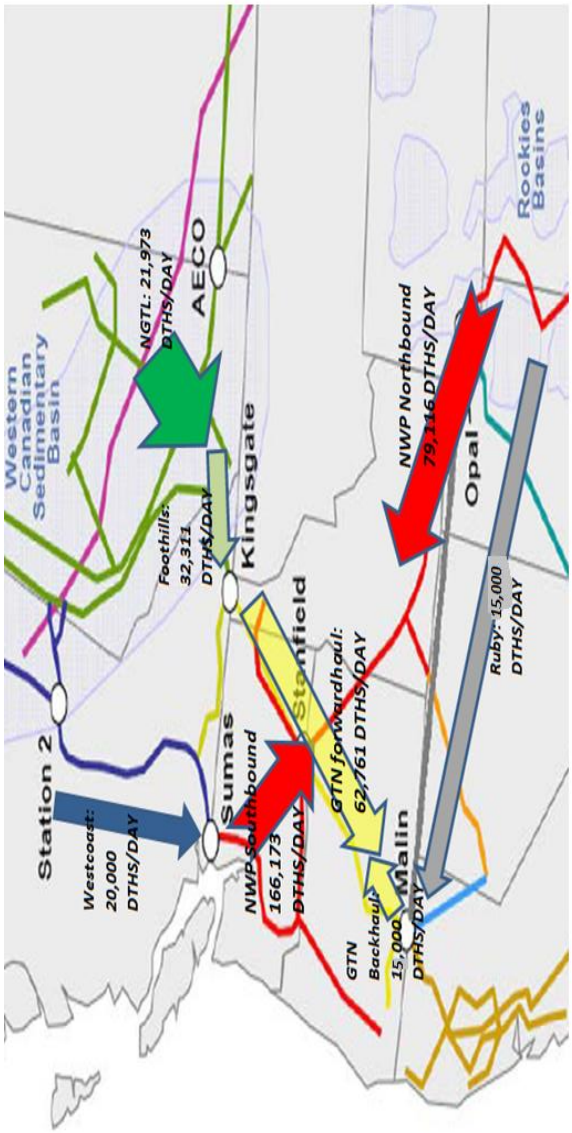
# Current Supply Resources & Transportation Issues

# Pipeline transport flow



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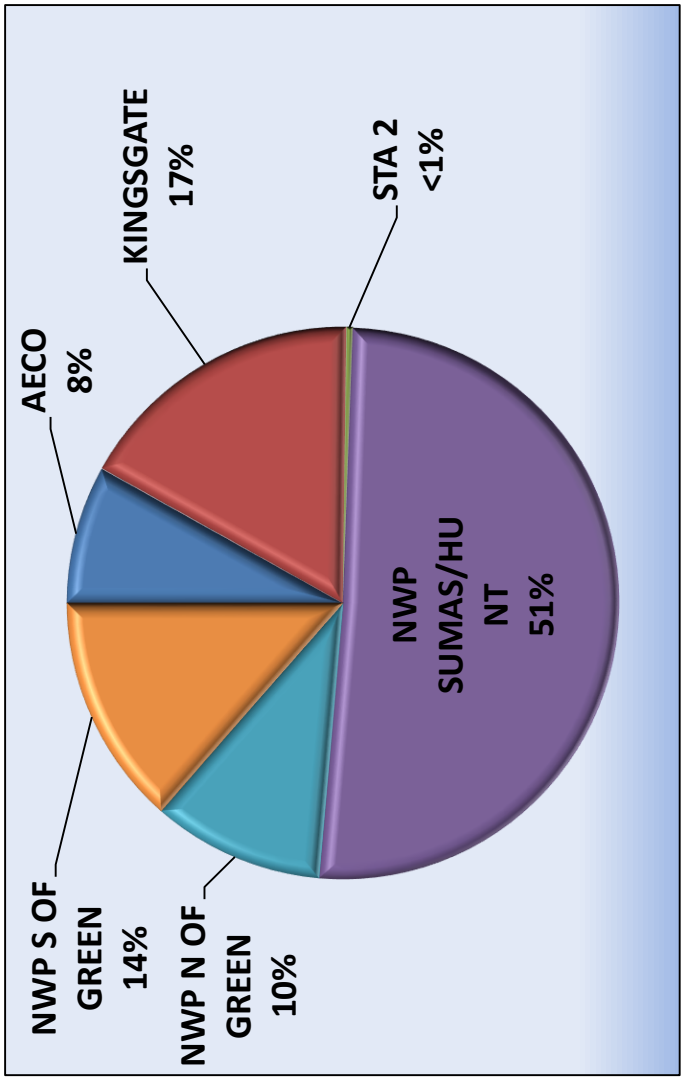
# Transport Summary



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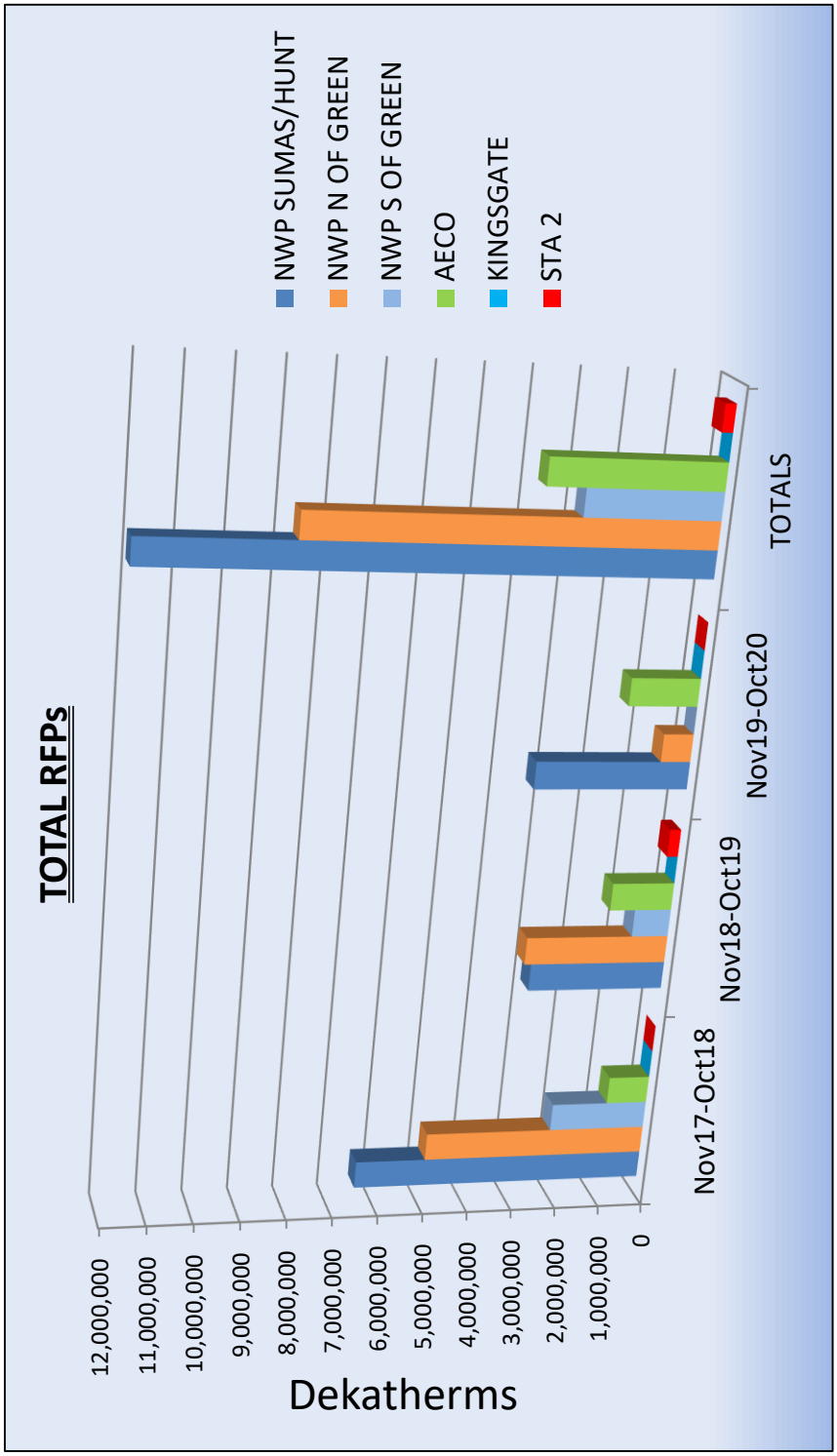
# Storage Resources

- Jackson Prairie
  - 4 accounts with 1,235,593 dths capacity
  - CNGC cycled approximately 90% of Jackson Prairie storage over the past winter season
  - CNGC targets cycling Jackson Prairie
- Plymouth
  - 2 accounts with 662,200 dths capacity
  - New account of 100,000 dths added for the 2016/2017 season
  - In addition to above we acquired TF-2 (Firm Redelivery Transportation) of 10,675 dths
  - CNGC remains committed to using Plymouth as a peaking resource.

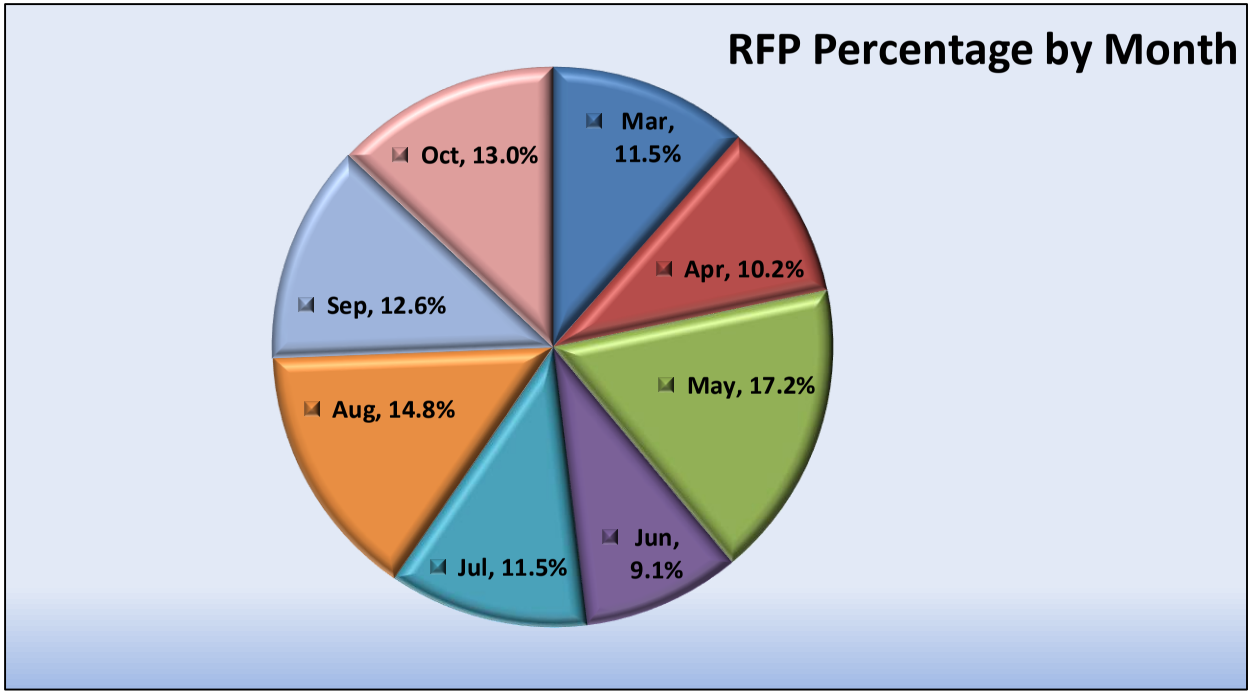
# HIGHLIGHTS FOR THE 2017 PORTFOLIO DESIGN

- PORTFOLIO PROCUREMENT DESIGN BASED ON A DECLINING PERCENTAGE EACH YEAR, ACCORDINGLY: Year 1: Approximately 80% of annual requirements; Year 2: 40%, Year 3: 20%.
  - 80% allows more flexibility operationally
  - Allows us to be in the market monthly through FOM purchase or Day Gas purchases
- Hedged Percentages (fixed-price physical) Currently max 40% of annual requirements. Second year should be set at 25%, and 20% hedged volumes for year three.
  - Due to new WUTC hedging policy, may need to consider puts, calls, or financial derivatives to address fixed-priced physicals that may become "out of the money"
  - Hedging may need to be more flexible as policy develops
- CNGC's Gas Supply Oversight Committee (GSOC) would consider a modification of this plan if the outer year 3 year forward price is 20% higher/lower than the front month over a reasonably sustained period.
- Annual load expectation (Nov-Oct) is approximately 30,000,000 dths, consistent with recent load history.

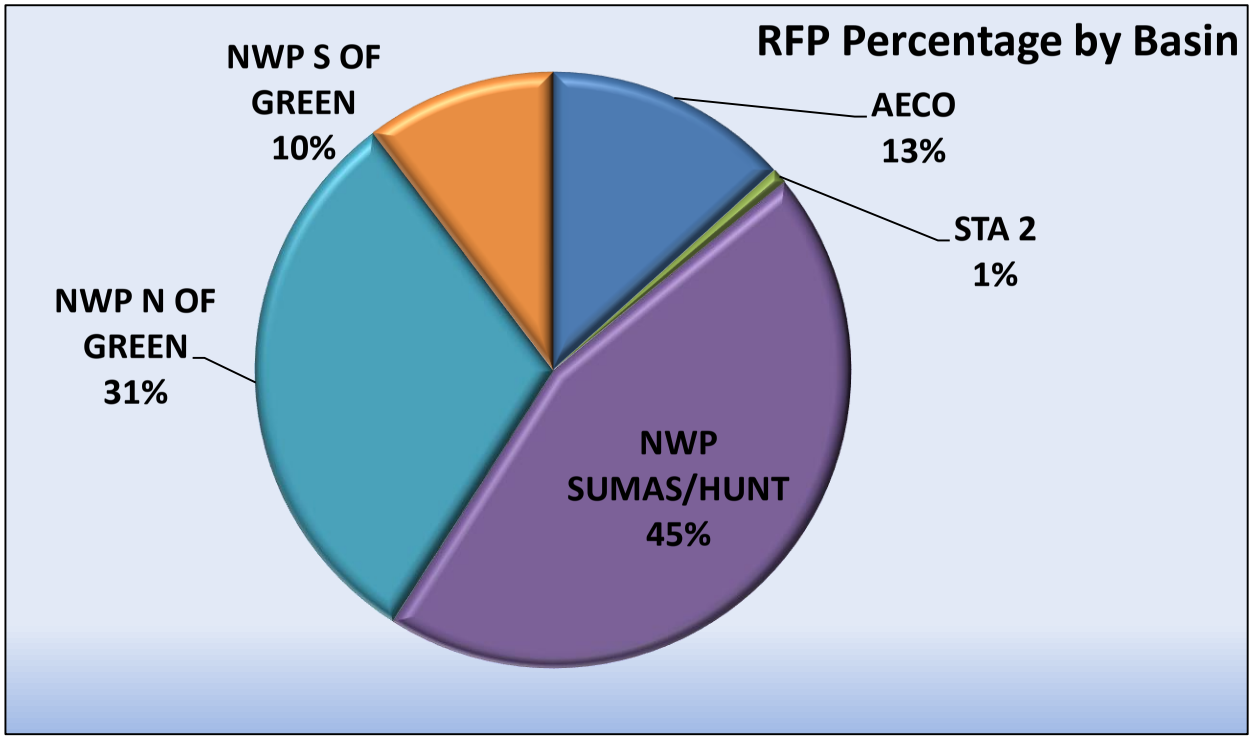
# Total RFPs


TOTAL RFPs
NWP SUMAS/HUNT
NWP N OF GREEN
NWP S OF GREEN
AECO
KINGSGATE
STA 2
Dekatherms
12,000,000
11,000,000
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
Nov17-Oct18
Nov18-Oct19
Nov19-Oct20
TOTALS

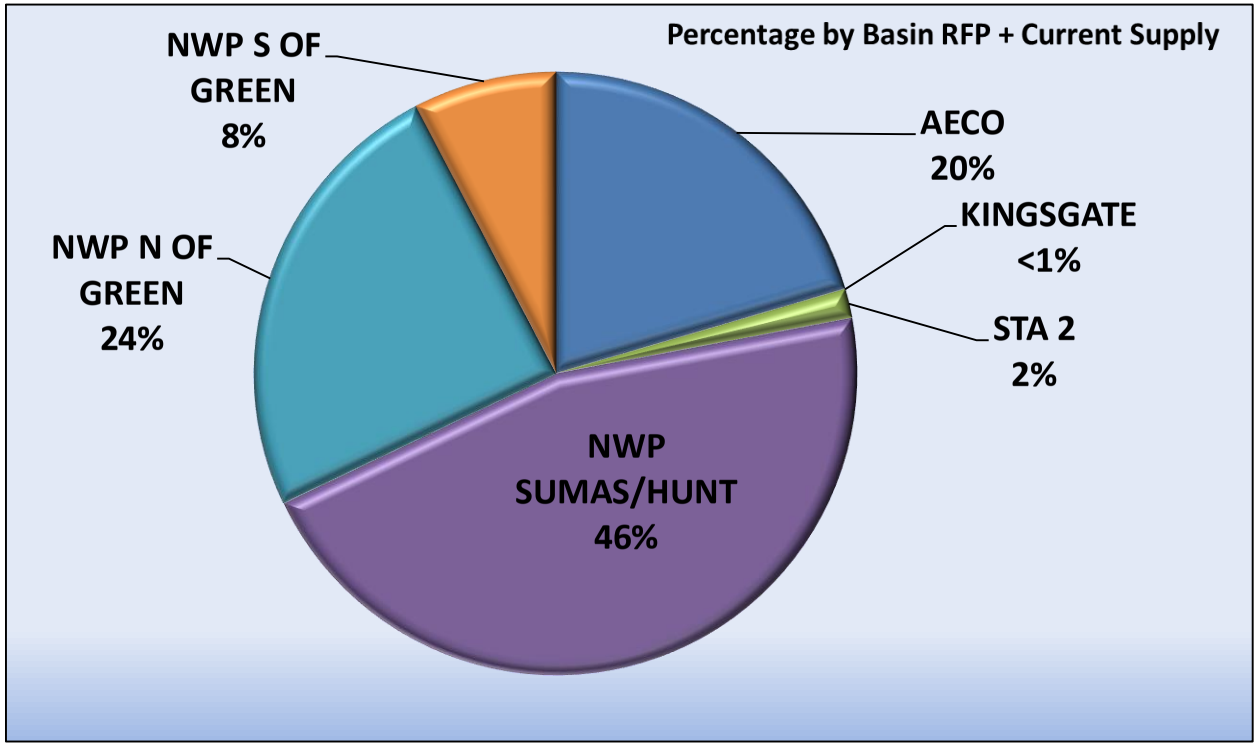
# RFP Percentage by Month



# RFP Percentage By Basin



# Percentage by Basin RFP + Current Supply

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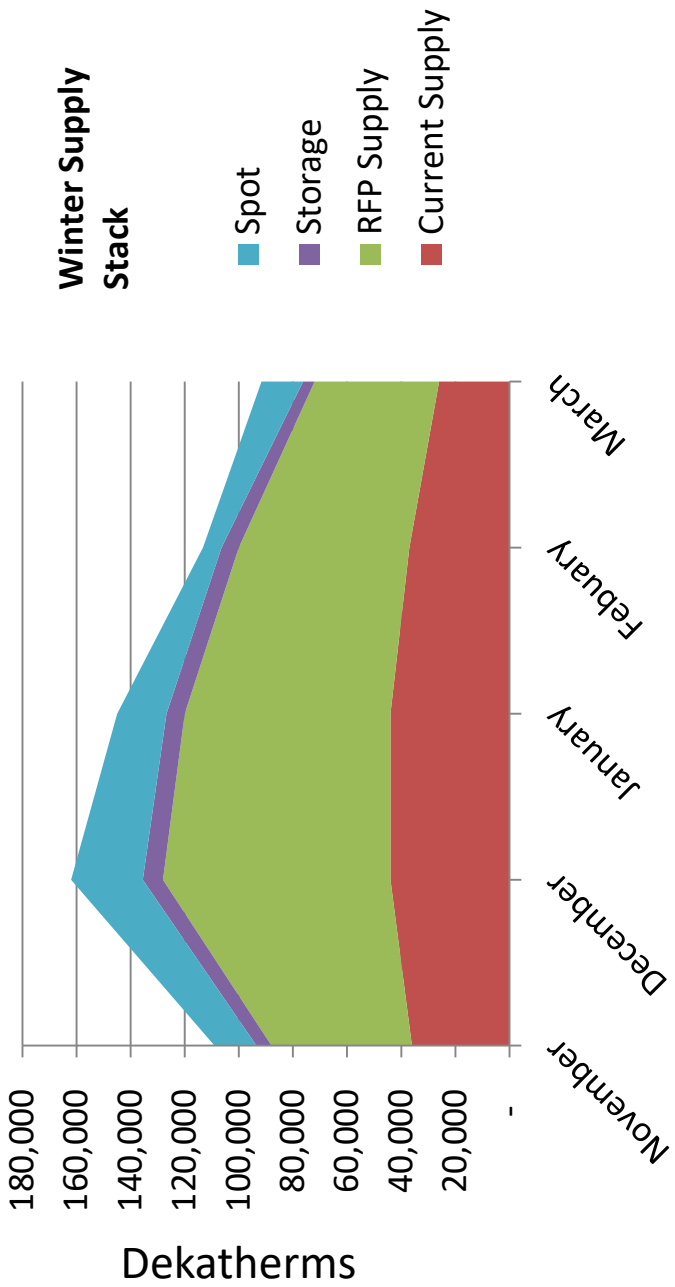
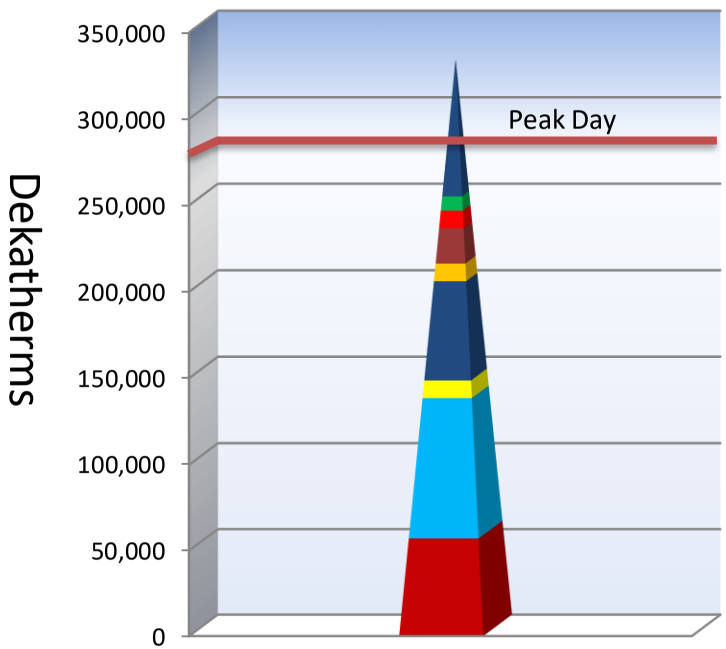
# Winter Supply Stack



# Peak Day Stack Example




**Peak Day Stack Example**

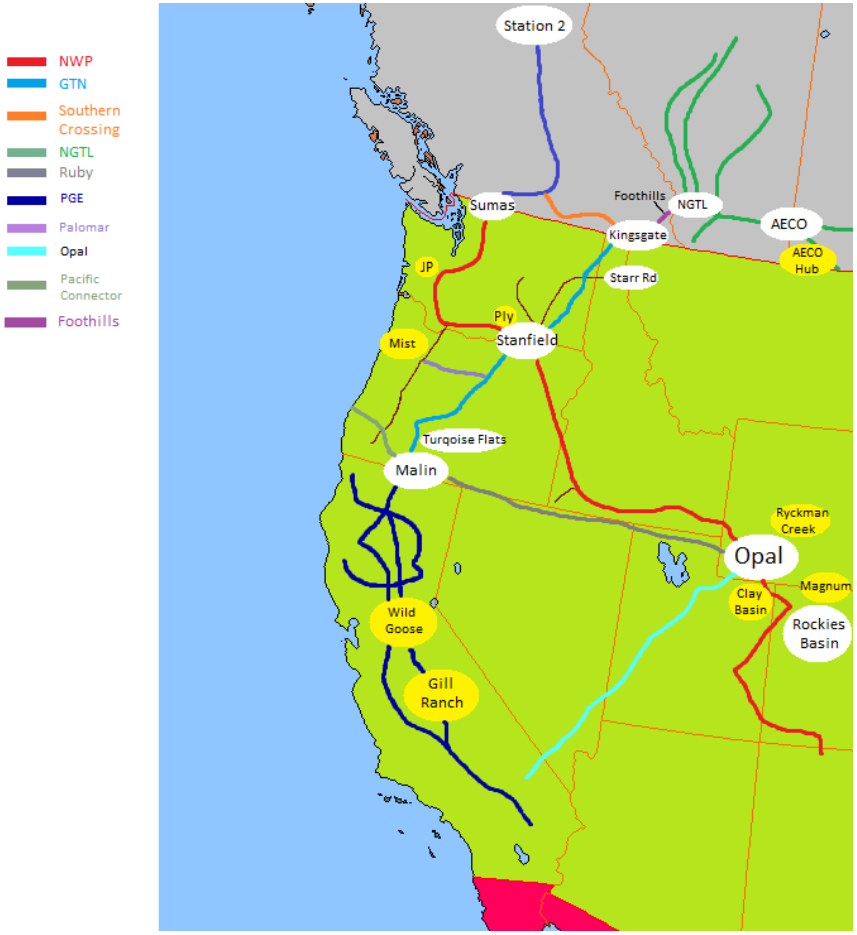
| | |
|---|---|
| **78,125** | LS Storage |
| **8,156** | Pipeline Pack |
| **10,000** | 3rd Party Citygate |
| **20,000** | Peaking Deal |
| **10,000** | Daily Spot Gas |
| **56,366** | SGS Storage |
| **10,000** | FOM Spot Gas |
| **80,000** | RFP Supply |
| **56,000** | Current Supply |

# Alternative Resources

# Major Resource Issues on the Horizon

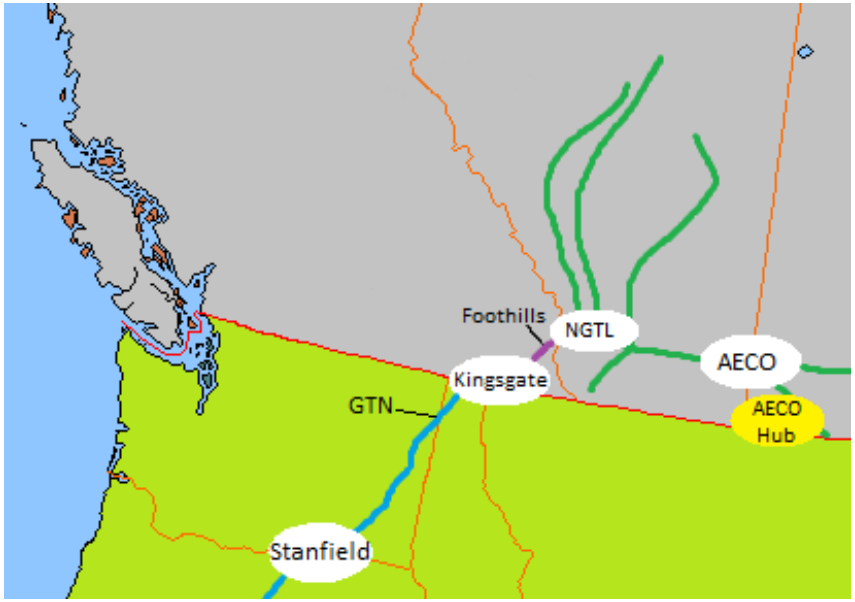
- Once a deficiency is identified, Cascade must analyze potential solutions to ensure service over the planning horizon.
- Conversations with partners at various pipelines, storage facilities, new supply sources.
- SENDOUT® is used to ultimately derive the optimal mix of resources, referred to as the "preferred portfolio."

# Location of Current & Alternative Resources



# Incremental Transport – North to South

- Incremental NGTL – Additional capacity to move gas from AECO basin to Alberta/BC border
- Incremental Foothills – Additional capacity to move gas from Alberta/BC border to Kingsgate
- Incremental GTN N/S – Additional capacity to move gas from Kingsgate to various citygates along GTN



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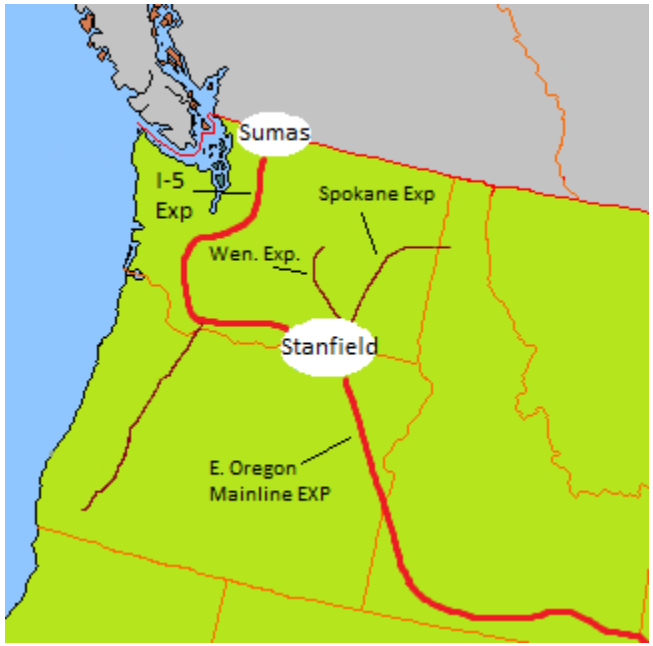
# Incremental Transport – Northwest Pipeline

- I-5 Mainline Expansion – Additional capacity to move gas along I-5 corridor in western Washington
- Wenatchee Lateral Expansion – Additional capacity to move gas along Wenatchee Lateral to central Washington
- Spokane Lateral Expansion – Additional capacity to move gas along Spokane Lateral to eastern Washington
- Eastern Oregon Mainline Expansion – Additional capacity to move gas along Eastern Oregon Lateral to Oregon citygates



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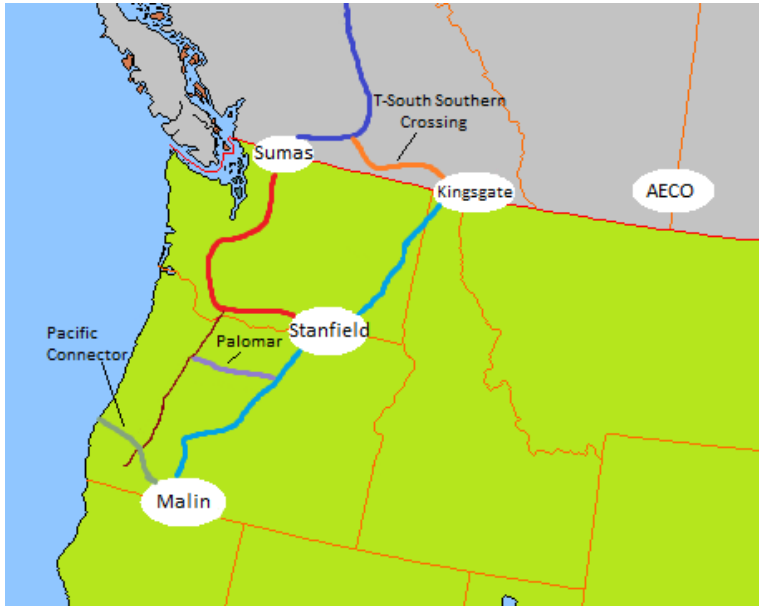
# Incremental Transport – South to North

Incremental Opal– Additional capacity to move gas from Utah to Opal
Incremental Ruby – Additional capacity to move gas from Rockies Basin to Turquoise Flats
Incremental GTN S/N – Additional capacity to move gas from Turquois Flats to various citygates along GTN

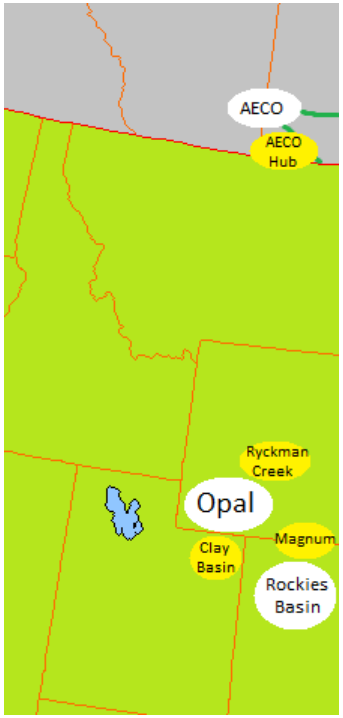
# Incremental Transport – Bilateral

- T-South Southern Crossing – Price arbitrage opportunity to move gas between Sumas and AECO basins bilaterally
- Trails West (Palomar) – Additional capacity to move Rockies gas to the I-5 corridor
- Pacific Connector – Pipeline that will feed LNG facility on Oregon coast, increasing liquidity at Malin



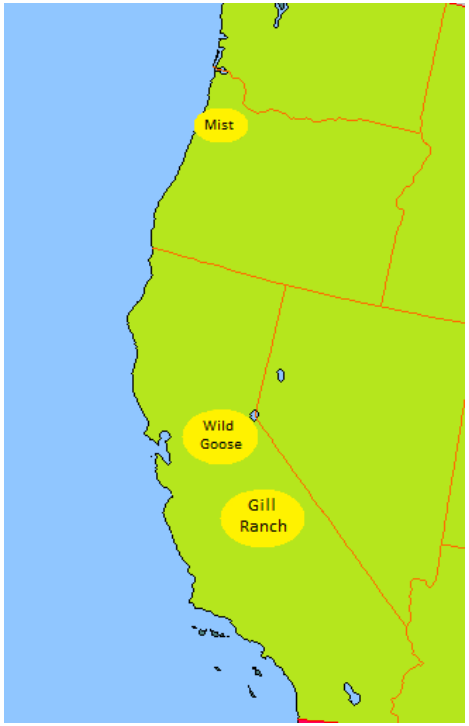
# Incremental Storage - North and East

- Ryckman Creek Storage – Additional storage in southwest Wyoming serving the system, primarily Oregon
- Magnum Storage – Additional storage near Rocky Mountains, serving the system, primarily Oregon
- AECO Hub Storage – Additional storage near AECO Hub, serving the system
- Clay Basin Storage – Additional storage near Opal, serving the system



# Incremental Storage - South and West

- Gill Ranch Storage – Additional storage in central California, serving the system, primarily Oregon
- Mist Storage – Additional storage in northern Oregon, serving the system, primarily Washington
- Wild Goose Storage – Additional storage in northern California, serving the system, primarily Oregon



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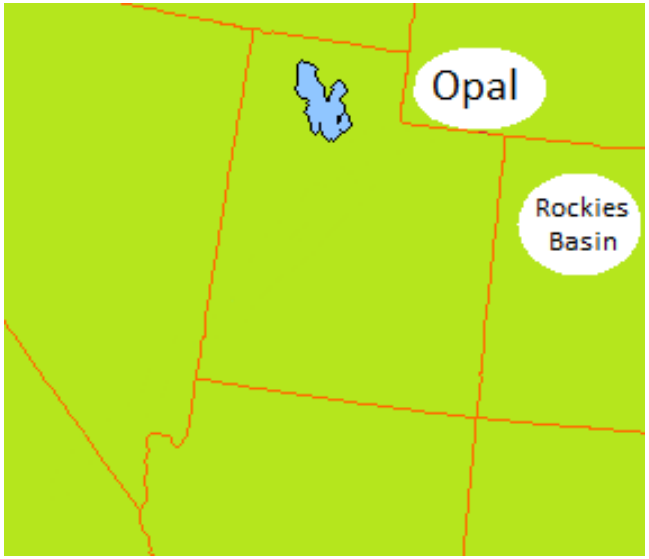
# Incremental Supplies

- Incremental Opal Supply – Additional supply around the Rockies Basin
- Renewable Natural Gas – Incremental biogas supply directly to distribution system



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# Market Outlook and Long Range Price Forecast

# Long Range Market Outlook

- According to the Energy Information Administration (EIA) 2017 Annual Energy Outlook (AEO), Natural Gas is projected to lead the power sector in gross energy consumption over the next 20+ years.
- On a percentage basis, renewable energy is forecasted to grow the fastest.
- As expected, high natural gas consumption leads to a robust production forecast for natural gas.

# Long Range Market Outlook Cont'd

- Like consumption, nonhydroelectric renewable energy shows a significant production growth projection.
- Global GDP growth looks strong, but Wood Mackenzie has identified three potential pitfalls that could lead to a loss of anywhere between $2.2 trillion and $3.6 trillion of potential global GDP growth by 2021.
- Wood Mackenzie projects in its 2017 first half North American highlight report that gas prices will remain above $3/mmbtu.

# Long Range Price Forecast

- Cascade's long-term planning price forecast is based on a blend of current market pricing along with long-term fundamental price forecasts.
- The fundamental forecasts include Wood Mackenzie, EIA, the Northwest Power Planning Council (NPPC), Bentek and the Financial Forecast Center's long term price forecasts.
- While not a guarantee of where the market will ultimately finish, Henry Hub NYMEX is the most current information that provides some direction as to future market prices.
- Wood Mackenzie's long-term forecast is at a monthly level by basin. Cascade uses this to help shape the forecast's monthly basis pricing.
- The Company also relies on EIA's forecast; however, it has its limitations since it is not always as current as the most recent market activity. Further, the EIA forecast provides monthly breakdowns in the short-term, but longer term forecasts are only by year.

# Long Range Price Forecast Cont'd

- CNGC assigns a weight to each source to develop the monthly Henry Hub price forecast for the 20-year planning horizon.
- Although it is impossible to accurately estimate the future, for trading purposes the most recent period has been the best indicator of the direction of the market. However, Cascade also considers other factors (historical constraints) which can lead to minor adjustments to the final long range forecast.

# Price Forecast Weights

- Considerations in weight assignments
  - Cascade has modified its weighting system based on a backcast of the symmetric mean absolute percentage error (SMAPE) of its sources since 2010
    - Wood Mackenzie (monthly, covers all basins)
    - EIA (industry barometer, annual long term)
    - NPPC (regional perspective, but recognize it is also a blend)
    - NYMEX Henry Hub
  - EIA is the only source who produces a forecast after 2036
    - EIA typically forecasts higher than most other sources, so their forecast needs to be normalized based on their average error

# Example of SMAPE Calculations by Source

| | Source 1 | Source 2 | Source 3 | Source 4 |
|---|---|---|---|---|
| T+1 | 0.126033375 | 0.217301 | 0.1446299 | 0.152795 |
| T+2 | 0.167033935 | 0.208055 | 0.1973402 | 0.193328 |
| T+3 | 0.201221558 | 0.159752 | 0.1774237 | 0.180943 |
| T+4 | 0.207867469 | 0.216499 | 0.0567454 | 0.206089 |
| T+5 | 0.240209263 | 0.170581 | 0.0149917 | 0.203743 |
| T+6 | 0.223763051 | 0.15863 | 0.0308552 | 0.178014 |
| T+7 | 0.224086048 | 0.017803 | 0.160998 | 0.126166 |
| T+8 | 0.173107419 | 0.108208 | 0.1654999 | 0.101882 |
| T+9 | 0.22366183 | 0.182278 | 0.1409933 | 0.190653 |
| T+10 | 0.197011026 | 0.171414 | 0.1373605 | 0.182815 |
| T+11 | 0.232436816 | 0.198159 | 0.0881173 | 0.177821 |
| T+12 | 0.235293955 | 0.064647 | 0.046813 | 0.169711 |

# Example Weights Price Forecast For 2018

| Date | Source 1 | Source 2 | Source 3 | Source 4 |
|---|---|---|---|---|
| 18-Jan | 7.443% | 27.601% | 51.155% | 13.802% |
| 18-Feb | 4.103% | 40.758% | 43.028% | 12.111% |
| 18-Mar | 4.142% | 42.124% | 38.518% | 15.216% |
| 18-Apr | 4.619% | 41.958% | 37.283% | 16.140% |
| 18-May | 5.469% | 41.641% | 36.015% | 16.876% |
| 18-Jun | 5.248% | 40.041% | 37.548% | 17.163% |
| 18-Jul | 3.654% | 41.433% | 39.335% | 15.578% |
| 18-Aug | 3.970% | 41.695% | 38.973% | 15.362% |
| 18-Sep | 3.324% | 48.277% | 34.266% | 14.132% |
| 18-Oct | 4.354% | 49.429% | 31.572% | 14.646% |
| 18-Nov | 4.459% | 51.308% | 29.570% | 14.663% |
| 18-Dec | 5.599% | 49.377% | 29.287% | 15.737% |

# Avoided Cost Methodology and Calculation

# Avoided Cost Overview

- As part of the IRP process, Cascade calculates a 20-year forecast and 45 years of avoided costs.
- The avoided cost is an estimated cost to serve the next unit of demand with a supply side resource option at a point in time. This incremental cost to serve represents the cost that could be avoided through energy conservation.
- The avoided cost forecast can be used as a guideline for comparing energy conservation with the cost of acquiring and transporting natural gas to meet demand.
- Cascade evaluates the impact that a range of environmental externalities, including $CO_2$ emission prices, would have on the avoided costs in terms of cost adders and supply costs.
- We produce an expected avoided cost case based on peak day.

# Avoided Cost Formula

The components that go into Cascade's avoided cost calculation are as follows:

$$AC_{nominal} = TC_f + TC_v + SC_f + SC_v + (CC * C_{tax} * C_{adder}) + DSC + RP$$

Where

- $AC_{nominal}$ = The nominal avoided cost for a given year. To put this into real dollars you must apply the following: Avoided Cost/(1+discount rate)^Years from the reference year.
- $TC_f$ = Fixed Transportation Costs
- $TC_v$ = Variable Transportation Costs
- $SC_f$ = Fixed Storage Costs
- $SC_v$ = Variable Storage Costs
- $CC$ = Commodity Costs
- $C_{tax}$ = Carbon Tax
- $C_{adder}$ = Carbon Adder, as recommended by the Northwest Power and Conservation Council
- $DSC$ = Distribution System Costs
- $RP$ = Risk Premium

# METHODOLOGY

- Transportation costs are pulled directly from the major pipelines that Cascade utilizes (NWP, GTN, Enbridge, Ruby, Nova Gas Transmission (NGTL) and Foothills).
- Storage costs come from the two major storage facilities that Cascade utilizes (Jackson Prairie and Plymouth).
- Commodity Costs are take from Cascade's 20-year price forecast.
- Risk Premium is the cost associated with hedging.
- Cascade does not include distribution system costs in its current avoided cost calculation, but is considering it for future iterations.

# SENDOUT® Scenarios and Inputs

# SENDOUT® Model

- Cascade utilizes SENDOUT® for resource optimization.
- This model permits the Company to develop and analyze a variety of resource portfolios to help determine the type, size, and timing of resources best matched to forecast requirements.
- SENDOUT® is very powerful and complex. It operates by combining a series of existing and potential demand side and supply side resources, and optimizes their utilization at the lowest net present cost over the entire planning period for a given demand forecast.

# SENDOUT® Model Cont'd

- SENDOUT® utilizes a linear programming approach.
- The model knows the exact load and price for every day of the planning period based on the analyst's input and can therefore minimize costs in a way that would not be possible in the real world.
- Therefore, it is important to acknowledge that linear programming analysis provides helpful but not perfect information to guide decisions.

# Modeling Transportation In SENDOUT® is a Balancing Act

- Start with a point in time look at each jurisdiction's resources
- Use the Nov17-Oct18 PGA portfolio
- Contracts –Receipt and Delivery Points
- We start with current transport contracts, using centralized receipts and approx. 66 delivery locations
- Rates - Current contractual, with CPI increase every 3 years
- Contractual vs. Operational
- Contractual can be overly restrictive
- Operational can be overly flexible
- Incorporating operational realities into our modeling can defer the need to acquire new resources.
- Gas Supply's job is to get gas from the supply basin to the pipeline citygate.
- IRP focus is on the core
- Operations job is to take gas from the pipeline gate to our customers.
- Operations focus is on the system, not just the core
- Limiting factor is receipt quantity –how much can you bring into the system?



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# Modeling Challenges

- Supply needs to get gas to the citygate.
- Many of Cascade's transport agreements were entered into decades ago, based on demand projections at that point in time.
- Sum of receipt quantity and aggregated delivery quantity can help identify resource deficiency depending on how rights are allocated.
- The aggregated look can mask individual citygate issues for looped sections, and the disaggregated look can create deficiencies where they don't exist.
- In many cases operational capacity is greater than contracted.
- SENDOUT® has perfect knowledge.

# Supply Resource Optimization Process

- **Step 1: As-Is Analysis**
  - Run a deterministic optimization of existing resources with a three-day peak event to uncover timing and quantity of resource deficiencies
- **Step 2: Introduce Additional Resources**
  - Include incremental supply, storage, and transportation to derive a deterministic optimal portfolio
- **Step 3: Stochastic Analysis of All Resources Under Existing Conditions**
  - Run all current and incremental resources through a Monte Carlo weather simulation, using expected growth, supply and storage accessibility. Record the probability of each resource being selected
    - Derive a stochastic optimal portfolio for this scenario by inserting most selected resource one at a time until resource deficiencies are eliminated
    - Consider probability curves for amount, timing of resources when deriving optimal portfolio

# Supply Resource Optimization Process Cont'd.

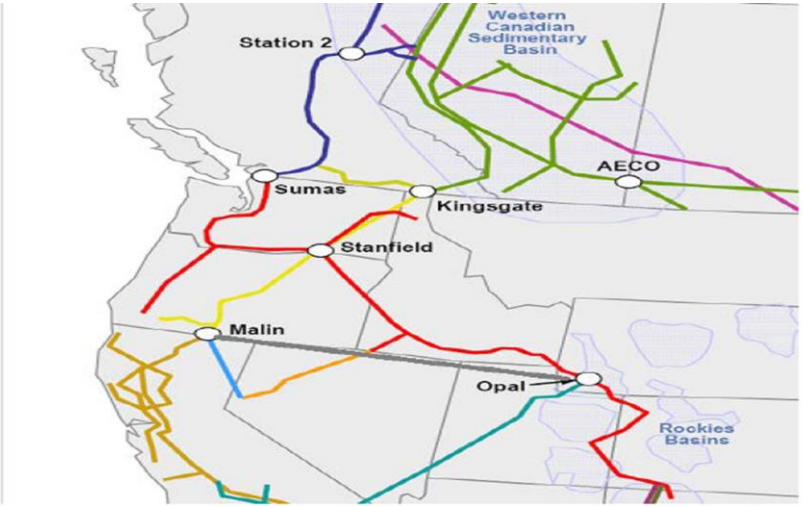
- **Step 4: Stochastic Analysis of All Scenarios**
  - Run Monte Carlo simulations on all scenarios, record optimal portfolio of each scenario.
- **Step 5: Selection of Preferred Portfolio**
  - Analyze the optimal portfolios of each scenario and rank portfolios. The preferred portfolio will be the best combination of cost and risk for Cascade and its customers.
- **Step 6: Sensitivity of Preferred Portfolio**
  - Run the preferred portfolio through Monte Carlo simulations on price. Review results to determine if total system cost is within a tolerable range across all sensitivities.
- **Step 7: Re-evaluation of Preferred Portfolio**
  - If the total system costs fall outside of a tolerable range in sensitivity analysis, select the next most optimal portfolio to run sensitivity analysis on. Repeat as needed.

# Additional Preferred Portfolio Considerations

- Does it get supply to the citygate?
- Is it reliable?
- Does it have a long lead time?
- How much does it cost?
- New build vs. depreciated cost
- The rate pancake
- Is it a base load or peaking resource?
- How many dekatherms are needed?
- What is the “shape” of resource?
- Is it tried and true technology, new technology, or yet to be discovered?
- Who else will be competing for the resource?

# All In Case

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| All In | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |




The All In Case run allows the Company to see what the model would select if all current and potential resources are available.

# As-Is and Incremental Storage

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| As Is | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Incr Storage | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Incremental Transport and All in

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Incr Transport | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| All In | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Low Growth and High Growth

| | KEY ELEMENTS IN SENDOUT SCENARIO | | |
|---|---|---|---|
| | Low Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
| Low Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO | | |
|---|---|---|---|
| | High Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
| High Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Limit BC and Limit Alberta

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit BC | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Alberta | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Limit Canada and Limit Rockies

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Canada | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Rockies | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Limit JP and Limit Ply Storage

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - JP | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Limit Both Storage and No JP

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - Both | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - JP | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# No Ply Storage and No Storage

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - Both | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
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| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Sensitivities Analyses

| Sensitivities | | Assumptions |
|---|---|---|
| Price | High | Medium Load Growth, Average Weather with Peak Event, High Gas Price Environment. |
| | Low | Medium Load Growth, Average Weather with Peak Event, Low Gas Price Environment. |
| Carbon Adder | 10% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 10% Adder for Unknown Regulatory Impacts |
| | 20% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 20% Adder for Unknown Regulatory Impacts |
| | 30% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 30% Adder for Unknown Regulatory Impacts |
| Per Ton | $10 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $10 per ton Carbon Tax |
| | $20 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $20 per ton Carbon Tax |
| | $30 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $30 per ton Carbon Tax |

# Additional Input From Stakeholders

Feedback on…

- Avoided cost methodology and calculations
- New price forecast weighting system
- New optimization process
- Clarification for scenarios versus sensitivities
- Risk analysis proposed, any additional analysis to be considered

# 2018 IRP Timeline

| Date | Process Element | Location (Subject to change) |
|---|---|---|
| Friday, July 21, 2017 | Citygate Update to CNGC Gas Supply Oversight Committee | |
| Wednesday, July 26, 2017 | CAG Q3 Meeting | |
| Thursday, August 31, 2017 | TAG 3 slides distributed to stakeholders | |
| **Thursday, September 7, 2017** | **TAG 3 Carbon Impacts, Conservation(ETO), Preliminary Resource Integration Results, Proposed new 2 year Plan** | **Portland International Airport Conference Center 9am-3pm** |
| Wednesday, October 4, 2017 | CAG Q4 Meeting | |
| Wednesday, October 11, 2017 | TAG 4 slides distributed to stakeholders | |
| **Thursday, October 19, 2017** | **TAG 4: Final Integration Results, finalization of plan components** | **OPUC Offices Salem OR 9am-12pm** |
| Monday, November 6, 2017 | Draft of 2018 IRP distributed | |
| Tuesday, December 5, 2017 | Comments due on draft from all stakeholders | |
| **Wednesday, December 20, 2017** | **TAG 5, if needed** | **WebEx Only** |
| Monday, January 22, 2018 | Executive Summary Presentation to Senior Management | Kennewick, WebEx |
| Thursday, January 25, 2018 | IRP filing in Oregon | |

# NEXT STEPS?

# Cascade Natural Gas Corporation

## Integrated Resource Plan
## Technical Advisory Group Meeting #2

Wednesday, July 19, 2017
Public Utility Commission of Oregon
Salem, OR

CASCADE NATURAL GAS CORPORATION
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**2nd External TAG Meeting - OPUC**

07/18/2017, 9:00 – 11:19 AM

**Presenters:** Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Eric Wood, Ashton Davis & Chris Bolton

**In attendance**: Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Ashton Davis, Eric Wood, Bruce Folsom, Debb Glosser, Geoffrey Ihle, Dan Kirschner, & Jon Kreider

**Called in**: Garret Senger, Miki Bode Jones & Laura Flanders – NWP, Monica Cowlishaw, Jim Abrahamson, Chris Robbins, Carolyn Stone, Kary Burin, Jeremy Ogden, Jennifer Gross, Isaac Myhrum, & Tom Pardee

**Minutes by**: Carolyn P Stone

Mark Sellers Vaughn started the meeting by welcoming everyone and stating that there is a lot of material to cover today.

*Presentation #1* – Mark Sellers-Vaughn
**IRP Action Plan Update**

Mark stated there would be an "open comment period" and an "IRP Action Plan Update", Chris Bolton will present "Distribution System Planning", Eric Wood will discuss "Current Supply Resources & Transportation Issues", Ashton Davis will present "Major Issues on the Horizon", Devin McGreal will present "Market Outlook & Long-Range Price Forecast", and Brian Robertson will discuss the "SENDOUT Model".

Mark asked Garret Senger if he had any opening comments. Garret welcomed everyone and said he was looking forward to the discussion & interaction and the presentation.

Slide #3 thru 5 - Mark stated that the IRP group committed to providing an IRP Action Plan Update at each and every TAG meeting. If Staff has questions or comments on the update, please state them.

*Presentation #2* – Chris Bolton
**Distribution System Planning**

Slide #8 – "CNG System Overview" - Chris presented the CNG system. In Washington, we have 4,744 miles of distribution line and Oregon, 1,605 miles. We have over 700 regulator stations and over 1600 valves.

Slide #10 – "Where do we get our gas?" Chris explains primarily pipelines Williams, TransCanada & Enbridge.

Slide #12 – "GIS" (Geographic Information System)" - Chris explains that the GIS system helps keep up to date records of pipe, facilities and is completed with all system attributes. CNG uses GIS to model its system.

Slide #14 – "Synergi" Chris explains that this is engineering software that models piping and facilities to represent pressure & flow to help predict future events & growth.

Slide #15 thru 18 "Data Gathering" – The data gathering used to feed Synergi comes from:

1. CC&B
2. SCADA
3. Resource Planning

Slide #19 – "CNG Weather Zones" - Chris said Resource Planning provides them with CNG Weather zones.

*Mark pointed out that historical weather data availability is limited!

Slide #20 – "Customer Management Module. "

- Chris explained this works with the Synergi to input customer data helping them to see pressures and flows.
- The module takes in CC&B Data, HDD and growth information.

**Question**: Does this model include past or future data?
**Answer**: Conversion of CC&B to Synergi. Involves the following:

1. Grabs data and matches what we see.
2. Then ramps up customer usage and shows trends.
3. Growth model uses severe temperature data and other growth data to predict future projects.

**Question**: Do you have a "Summer Plan"?
**Answer**: Chris said "Not really, we don't really look at summertime load, maybe for large customer load only.

Slide #24 – Shows a "Synergi" low pressure scenario…

Slide #25 – "Capacity Enhancement Options"

**Question**: Is there a minimum pressure that you would assume there were problems?
**Answer**: Anything under 15/20 we will evaluate thru prioritization.

**Question**: Do you evaluate economic solutions vs engineering solutions?
**Answer**: We will be talking about that topic a little later.

Slide #26 - Shows the pros and cons of various "Pipe enhancements"

Slide #33 – "Project Process Flow"

- The process starts with input of information and data and finishes with the projects and schedules.
- Chris said they determine the feasibility and costs associated, then identify the best project, and rank it. Then it is put into the budget.

Slide #34 – "Future Projects"

- This is a sample of upcoming projects needed for growth.
- Project #2 requires 6,400 feet of 8-inch steel in Bend.
- Chris said Bend is a district with high growth!

Slide #41 – Conclusion

**Question**: How is the final decision for projects made?
**Answer**: Chris said upper management decides based on budget. Chris's group comes up with 2 solutions, then go through them in a step by step decision making process with the different options. They talk with the district and city personnel on the importance of each project.

Mark asked if Jeremy Ogden had anything to add to this answer. Jeremy said Chris covered it well, but, in general, when pressures dip to 20 PSI it gets on their radar! Decisions are also based on growth and where the project is located.

**Question**: Mark asked a question of Staff. For future projects, what is the criteria for how many projects you would want to see in the narrative or appendix of the IRP, all projects or a small "picture"?
**Answer:** Staff doesn't need to see all the projects but would like to see ones with a "typical analysis".

*Presentation #3* – Eric wood
**Current Supply Resources & Transport Issues**

Slide #43 – "Pipeline Transport Flow"

- Eric highlighted flow from South to North on Ruby (for Oregon transport) and stated Oregon gas comes from AECO.
- Eric also said gas can also be put on at Stanfield for Oregon.

Slide #44 – "Transport Summary" – Eric said this slide shows the % of our transport at each location.

**Question**: Are these long-term firm contracts?
**Answer**: Yes, out until 2023.

Slide #45 – "Storage Resources"

- Plymouth is used as a "peaking resource".
- Eric said 50% of Plymouth was used last year!

**Question**: Do you cycle storage in summer for winter?
**Answer**: Yes

**Question**: Are we able to negotiate smaller lease rates?
**Answer**: No, the rates are tied to long-term transport contracts.

Mark stated that CNG relies on storage to balance the system because of Cascade's diverse structure, it provides price "arbitrage" and we would be remiss not to use it.

Slide #46 – "Highlights for the 2017 Portfolio Design"

**Question**: How is the "20% in the third year" decided? Is the risk tolerance higher than other LDC's?
**Answer**: The GSOC sets the lower % based on a tolerance level.

Mark stated that there are currently 2 open dockets on financial hedging. CNG will comply with the Washington Hedging Policy and provide something back to them, but there will be no dramatic changes until both policies for both states are issued. CNG may need a split portfolio between the 2 states. In August CNG will be filing its policy for the Washington Hedging Strategy with GSOC and then update that at TAG #3.

**Question**: Potential options seem "thorny". Options are like an insurance product. You pay the extrinsic option premium, but is this useful? Did you read the "Gettings" paper?
**Answer:** 5% of our portfolio at this time is structured projects. We have not entered into any financial options at this time. We are familiar with the Gettings paper.

Devin advised that you can't look at where a financial option price goes or whether they are "profitable" or not because the job of the derivative transaction is to create a risk "barrier" of how much you are willing to lose due to the market conditions and how much hedging losses you are willing to take.

Slide #47 – Shows "Total RFPs" per basin coinciding with transport available in those regions.

Slide #51 – "Winter Supply Stack" shows the supply type/volume by month using RFP's, storage and spot purchases.

Slide #52 – "Peak Day Stack Example"

- Eric stated that CNG has a "peaking deal" for 20,000 per day we can call on and we could use 10,000 of 3rd party citygate deliveries.
- Our tolerance level is at 3%.
- The red line is 275K for expected peak day.

There was a bit of discussion on tolerance levels. Eric said CNG tries to always stay within our tolerance levels but at times we go outside of them, but at the end of the month we are usually within levels.

Mark announced that this is Ashton Davis' first tag meeting. He will present the next section of the presentation.

*Presentation #4* – Ashton Davis
**Major Resource Issues on the Horizon**

Slide #57 – "Incremental Transport – North to South" – This is incremental or additional capacity to move gas at NGTL (NOVA) from AECO to Alberta/BC border, Foothills to move gas from AB/BC Border to Kingsgate and GTN North to South moves gas from Kingsgate to various citygates along GTN.

Slide #58 – "Incremental Transport – NWP" this slide shows expansions such as I-5, Wenatchee Lateral, Spokane Lateral and Eastern OR Mainline

Slide #59 – "Incremental Transport – Bilateral", T-South, Trails West & Pacific Connector.

**Question**: Do these locations provide price arbitrage?

**Answer**: Primarily but could be risk mitigation too, if supply gets held up at one location.

Slide #60 – "Incremental Storage – North and East" – These are additional storage locations that are available:

| | |
|---|---|
| Rickman Creek = | Wyoming, serving Oregon |
| Magnum = | Serving Oregon |
| AECO Hub = | Serving system |
| Clay Basin = | Serving system |

Slide #61 – "Incremental Storage – South and West"

| | |
|---|---|
| Gill Ranch = | Serving Oregon |
| Mist = | Serving Washington |
| Wild Goose = | Serving Oregon |

*Presentation #5* – Devin McGreal
**Market Outlook and Long Range Price Forecast**

Slide #65 – "Long Range Market Outlook Cont'd" –

- Devin explained that nonhydroelectric renewables are significant and GDP looks good by 2021.
- Devin stated Wood Mackenzie projects gas prices above $3.00 in the 1st half of 2017.

Slide #66 – "Long Range Price Forecast" –

- Devin explained that price forecasting is more of an "art" than a science.
- Ashton has been researching papers on price forecasting so the group can see what methodologies are being used.
- Is futures pricing the best? Devin said we try to prove them wrong!
    - Theoretically, Futures pricing should be good.
    - Factors – optional reporting would be needed.
    - Futures pricing goes through a clearing house.
    - Forward pricing can be diluted.

Slide #67 – "Long Range Price Forecast Cont'd -

- Cascade assigns weight to sources using Henry Hub pricing (HH) for a 20-year planning horizon
- This makes it a bit more scientific

Slide #68 – "Price Forecast Weights" –

- Bruce Folsom gave a "spoiler alert" for Slide #93. The IRP team will be speaking about this an input from stakeholders would be helpful
- Sources used for giving weights are Wood MacKenzie, EIA, NPPC and HH
- Devin mentioned that the EIA's price is generally $2 higher in their forecasts

Slide #69 & 70 – "Example of SMAPE Calculations by Source" & "Example Weights Price Forecast for 2018"

- Devin explained that this shows the "Error %"

- He explained that you take the inverse of that and add up each total and it gives them a "weight" at T + 4, which is not so accurate.
- "Whole Winter Smoothing" data shows the exponent, trending & seasonality.

**Mark asked Staff**: Would they like to see a sample of the "Holt-Winter Smoothing"?
**Answer**: Yes!

Slide #72 – "Avoided Cost Overview"
Avoided cost is the estimated cost to serve the next unit of demand – we want to avoid this cost with supply side resources.

Slide #73 & 74 – "Avoided Cost Formula" & "Methodology"

**Question**: Is this methodology standard?
**Answer**: Devin explained that, there isn't really a standard beyond commodity. Each LDC does this differently! We all use SENDOUT, but distribution cost is not in our model.

**Question**: How do you quantify the "Risk Premium"?
**Answer**: Figure financial derivatives for X volume, then figure the costs of the physical product. You can't hedge smaller physical volumes; those costs are minute and not material.

*Presentation #5* – Brian Robertson
**SENDOUT Model**

Slide #76 – "SENDOUT Model"
- Brian stated that SENDOUT is used for resource optimization….
- it is powerful & complex

Slide #77 - "SENDOUT Model Cont'd"
- This model uses a linear programming approach
- It has perfect information
- It provides good input but not perfect input, it is a "balancing" act
- Cascade has more DELIVERY (DEL) rights than RECEIPT (REC) rights

**Question**: Why the DEL & REC rights difference, due to a supply spot?
**Answer**: Mark explained that the pipelines divested themselves (1980) as a way to handle Oregon points. It was decided by NWP to create a flexibility for LDC's by giving more RECEIPT than DELIVERY rights. CNG has 1/3 more DELIVERY rights than RECEIPT rights due to our geographic diversity. Mark explained that there is a section in the IRP that goes through this and he can send it out.

Slide #79 – "Model Challenges"

**Question:** Why is this a "modeling challenge"?
**Answer:** Brian explained that some contracts are flexible. If the model had its way it would choose the best choice economically. We must give the model as much "reality" as possible and this is a challenging process! Brian stated that some contracts must be broken into smaller contracts, but you come out with one decision.

Slide #80 – "Supply Resource Optimization Process"

Step 1 – Uncover resource deficiencies…
Step 2 – Give model additional resources…
Step 3 – Run stochastic analysis by running resources through a Monte Carlo (MC) simulation and develop probability distributions.

- Brian said once we have the probability distributions, we go back to the Stochastic model run deterministically to see if that solved the resource deficiencies.

**Question**: Does this process reveal less "risky" resources?
**Answer**: We rank alternate resources each run and then cost them.

Slide #81 – "Supply Resource Optimization Process Cont'd"

Step 4 – Stochastic analysis of all scenarios…
Step 5 – Selection of preferred portfolio…
Step 6 – Sensitivity analysis of preferred portfolio then….
Step 7 – Re-evaluate best portfolio by running sensitivity analysis on it

**Question**: Do you run Monte Carlo simulations on standard deviations?
**Answer**: Brian said we put in the forecast and that produces standard deviations for weather. We use the past 30 years data average to get the standard deviations.

- Devin said we try to get granular, but are limited by operational capacity (200 draws).
- We must use 5 machines to run a SENDOUT, which takes a day.
- The price is correlated to weather, hopefully reducing runs.
- Mark said all LDC's do 200 draws!

Slide #82 – "Additional Preferred Portfolio Considerations"

**Question**: Is there a point where the "rubber hits the road" on distribution?
**Answer**: We look at reliability, for example, was there a storage facility explosion? We use a qualitative perspective, but how reliable is it??

Slide #83 – "All in Case"

- Brian stated that this shows what the model would select if all current & potential resources available including transportation, storage & supply.

Slide #84 - 91 show additional results from the model

- Mark said they include transport when deciding on incremental storage resources!

Slide #92 – "Sensitivities Analyses"

Includes:
- Price (run Monte Carlos)
- Use a "Carbon adder"
- Per Ton adder (related to carbon tax)

- High gas price environment
- Low gas price environment

Slide #93 – “Additional Input from Stakeholders”

- Mark stated that his group wants feedback. We can do a Skype meeting or come to you!
- We can also send you workbooks.
- Various participants commented that this was great work!
- Mark thanked Eric & Chris for their help with presenting!
- Bruce Folsom commented that Ashton is new to CNG, Devin has been here under a year and Brian 3-4 years and they have done excellent work! Mark added that they have brought so much to the process!

Slide #94 - Mark went over the 2018 IRP Timeline.

- Mark wondered if we can provide food for the next meeting because TAG #3 goes from 9 AM to 3 PM in the “Umatilla Room”.
- Mark mentioned the IRP filing is January 25th in Oregon

Bruce said that it was a good meeting and appreciated the background material provided & presentation!

# Cascade Natural Gas Corporation

## Integrated Resource Plan
## Technical Advisory Group Meeting #3

Thursday, Sept. 7th, 2017

Portland International Airport

Portland, OR

Cascade Natural Gas Corporation
A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®

# Agenda

- Introductions
- IRP Action Plan Update
- Walkthrough of Resource Assessment and Modeling
- Policies and Methodologies Informing DSM Outcome
- Acquisition of all Cost Effective DSM
- Oregon Low Income Energy Conservation (OLIEC) & Conservation Achievement Tariff (CAT) Programs
- Action Plan/Other Items
- SENDOUT® Modeling Update
- Preliminary Modeling Results
- Incremental GTN Capacity
- Upcoming Schedule
- Questions

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# IRP Action Plan Update

| 2014 IRP Action Item | Update |
|---|---|
| 1. Cascade will improve its demand forecast by developing a report to track the issuance of corrected bills and reclassifying therms from corrected bills to the month those therms were used. In its next IRP, Cascade will use its new Statistical Analysis Software (SAS) to test non-linear weather effects on natural gas, to perform analysis on potential serial correlation problems, and to create a time series autoregressive integrated moving average (ARIMA) model for customer forecasting. | On June 26th Cascade's Gas Supply Oversight Committee (GSOC) met and was provided an update on the 2017 portfolio procurement plan, which included recent market intelligence and updated pricing. In TAG 3 the company will discuss its supplies of varying lengths and pricing alternatives. |
| 2. Cascade will continue to monitor outside determinants of natural gas usage, such as legislative building code changes and electrical "Direct Use" campaigns as they are determined to significantly affect the Company's forecast. | Since the 2014 Action Plan, Cascade has monitored the following legislation, campaigns, and other external actions with the potential to influence natural gas use in the States of Washington and Oregon: - National standard practice manual, Portland renewable energy goals, gas to electric fuel switching, HB-2711 moratorium on hydraulic fracturing for oil and gas exploration and production, several Washington state bills on Carbon taxes, deep decarbonization, and the clean air rule. |
| 3. Cascade will continue to monitor the effectiveness of the Oregon Public Purpose Fund to ensure the funds are adequate to capture significant portions of achievable therm savings in Oregon. | Since the 2014 IRP, Cascade has made two filings to increase its public purpose charge to ensure funding would be sufficient to acquire the therm savings target established in the IRP as a least cost resource: Advice No. O15-12-01 on December 11th, 2015 to increase its public purpose charge from 1.85% to 3.7% (reduced to 3.4% before Commission approval) and Advice No. O16-10-01 on October 31st, 2016, in which the Company asked to increase the Public Purpose Charge from 3.4% to 4.87%. |
| 4. The company will continue to follow and analyze the impacts of the Western Climate Initiative and proposed carbon legislation at both the state and federal level as they pertain to natural gas conservation, as well as other such acts that may arise from these efforts. The company will continue to monitor the timing and the costs associated with carbon legislation and analyze the impacts on the company's overall portfolio costs. As specific carbon legislation is passed, the company will update its avoided cost calculations, conservation potential and make modifications to its DSM incentive programs as necessary. | The Company has continued to monitor the Western Climate Initiative and proposed carbon legislation since the 2014 Action Plan. While no significant action has been taken on the WCI with impacts to the Company, the Company is actively following the current legislation and is monitoring the potential impacts to portfolio costs. |

# IRP Action Plan Update Cont'd

| | |
|---|---|
| 5. The company will continue to monitor the cost effectiveness of existing conservation measures and emerging technologies to ensure that the current mix of measures included in the Washington Conservation program is appropriate. Areas for further analysis include the impacts associated with modifications to building codes along with the cost effectiveness of newer technologies such as the next generation of high efficiency water heaters (.70 EF) and high-efficiency hybrid heat pumps. The applicability of these measures within Cascade's service territory will be analyzed and the company's Conservation Incentive Program will be modified as necessary. | Cascade continually monitors the region and natural gas industry on currently available technology advancements as part of our Washington incentive programs. We reevaluate the portfolio cost-effectiveness paired with current technology and update install costs to maintain viability and as robust of a program as feasible. The Company is also engaged with the Northwest Energy Efficiency Alliance market transformation collaborative in coordination with other local utilities and the Energy Trust of Oregon as well as the Gas Technology Institute's emerging technology program to stay abreast of new technologies and opportunities for additions and changes to the Company's offerings.<br><br>The Company also maintains a Trade Ally network for our Washington programs and routinely connects with local contractors to gauge availability of product and costs associated with installs of rebate eligible equipment and measures. The landscape is constantly evolving and Cascade works with its partners and local agencies and builders (including home builder associations) to track building code updates as well as changes to industry standards. |
| 6. The Company will continue to monitor the potential reporting, administrative and potential financial impacts of long term resources as a result of concerns surrounding fracking. In particular we are awaiting the EPA to reveal the results of their current study in alleged water contamination found in Wyoming as a result of fracking activities. | Cascade has included a slide in TAG 3 to address this action item. Additionally, Cascade has extended an invitation to NWIGU to discuss this item. |

# IRP Action Plan Update Cont'd

| | |
|---|---|
| 7. Cascade will continue to evaluate gas supply resources on an ongoing basis, including supplies of varying lengths (base, swing, peaking) and pricing alternatives. We will continue to analyze the uncertainties associated with supply and demand relationships. | Due to the robust nature of TAG 3, this will now be discussed in TAG 4. |
| 8. The Company will continue to monitor the proposed pipeline expansion projects to access more supplies out of the Rockies. As cost estimates change, the company will analyze those resources under consideration to determine if modifications to the preferred portfolio are necessary. | NWP has provided an updated Wenatchee lateral expansion which is currently being considered for modeling. |
| 9. As part of the Cascade's risk management policy and implementation, the Company will report on the status of the UM 1720 as well as related risk management policy enhancements to Cascade's risk management policy, at the first Purchased Gas Adjustment (PGA) quarterly meeting with OPUC Staff in early 2017. This docket is the Commission's Investigation into Long Term Hedging Policy. | Interested parties met on August 23rd, with the conclusion that an agreement could not be reached. The parties at this meeting (Staff, regional LDCs, NWIGU and CUB) will be requesting that this docket be closed. Cascade continues to work on enhancing its risk management policies in compliance with Washington's new hedging rules |
| 10. The Company will continue to explore options to incorporate biogas into its portfolio, as specific projects are identified in our service territory. Price, location and gas quality considerations of the biogas supply will be evaluated. | Cascade has filed a Biomethane Reciept Services (Schedule 800) in Oregon to estabilsh biogas injection terms, conditions and gas quality requirements. Cascade continues to work with possible biomethane producers and evaluate those projects for possible future core supplies. |
| 11. The Company will continue to monitor proposed LNG import facilities as information becomes available and will evaluate the various options that, if built, could result. Issues to monitor include specific cost, the availability of pipeline capacity and project timing. | Cascade is continuing to monitor the progress of import/export facilities such as the proposed Jordan Cove LNG terminal. The status of these projects are documented each month in Cascade's monthly internal market intelligence report |
| 12. The Company will continue to monitor the futures market for price trends and will evaluate the effectiveness of its risk management policy. Implementation of Dodd- Frank in the coming year raises potential administrative challenges from a reporting standpoint; additionally it is unknown how the costs associated with the use of clearinghouses might impact prices of natural gas in the future. | Cascade has updated its price forecast to modify its weights based on a backcast of the accuracy of its sources. At this time the price impacts of Dodd-Frank and hedging related dockets such as UM 1720 and UG-132019 continues to be unknown. The Company will continue to provide updates in coming TAG meetings. |

# Update on Fracking

- Cascade has reviewed the EPA document released in 2016 regarding Hydraulic Fracturing for Oil and Gas.
- Environmental impacts were documented but the results were overall inconclusive, included many data gaps, and any estimates contained high degrees of uncertainty.
- Cascade has determined that there are no immediate reporting, administrative and financial impacts of fracking that need to be addressed.

# ETO/CNGC Joint DSM Presentation to Cascade Natural Gas Technical Advisory Group

TAG III Presentation

Thursday, September 7
Portland International Airport

# Purpose

- To discuss the Company's Demand Side Management (DSM) strategy for the acquisition of all cost-effective conservation- in partnership with the Energy Trust of Oregon;
- Review of progress on adaptations based on OPUC order since last planning cycle; and
- Consideration of future DSM-focused action items to further strengthen & refine future analysis

# OPUC Order Guidance

- Clearly show the plan to acquire all cost effective energy efficiency
- Provide complete conservation resource potential results and inputs specific to Cascade only, not including results of other Energy Trust territories or for measures that do not apply to Cascade territory
- Provide updated data and explanations for the policies and methodologies used to inform the DSM analysis
- Incorporate commercial market transformation savings similar to residential methods and include an explanation for how those assumptions are derived and applied within the IRP
- Clearly document assumptions behind capacity contribution of energy efficiency and how the capacity value is incorporated into resource planning
- Provide an explanation regarding how annual energy savings are translated into peak day demand and capacity resources

# Today's Agenda

1. Walkthrough of Resource Assessment and Modeling
2. Policies and Methodologies Informing DSM Outcome
3. Acquisition of all Cost Effective DSM
4. Oregon Low Income Energy Conservation (OLIEC) & Conservation Achievement Tariff (CAT) Programs
5. Action Plan/Other Items

# Energy Trust of Oregon

## Energy Efficiency Resource Potential Study

September 7, 2017

EnergyTrust of Oregon

# About

- Independent nonprofit
- Serving 1.5 million customers of Portland General Electric, Pacific Power,
  NW Natural and
  Cascade Natural Gas
- Providing access to affordable energy
- Generating homegrown, renewable power
- Building a stronger Oregon and SW Washington

# Resource Assessment Overview

## What is a resource assessment?

- Estimate of available, cost-effective efficiency available to be acquired in Cascade's service territory over 20 years

# Resource Assessment Inputs:

## Utility Service Territory Data

- Customer counts, 20-year load forecasts
- Avoided costs, discount rate

## Demographic statistics

- Heating & hot water fuel splits, measure saturations
- Energy use intensity for Commercial

## Measure assumptions

- Savings, costs, O&M, measure life, load profile, end use, baseline, technical applicability, achievability rates

# Background – How is RA used?

- Energy Trust uses the resource assessment model for utility IRP work, strategic planning, and program planning
- Does not dictate what annual savings are acquired by programs
- Does not set incentive levels

# Model Assumptions

- Factor in known codes & standards
- Utilize 3rd party research and survey work to inform saturation rates
- A more direct approach to quantifying RES & COM building stock as an input
- Incremental measure savings approach for potential instead of market shares
- New approach to emerging technologies

# Measure Updates

## Refreshed measure assumptions

- Updated measures across all Sectors (RES, COM, IND)
  - Residential New Home Construction packages
  - Residential Showerheads, aerators
  - New Homes Tankless Water Heaters

## Added New Measures

- Commercial Strategic Energy Management (SEM) – Behavioral
- Commercial Cooking measures
- Residential Smart Thermostats

# Cost-Effectiveness Screen

## Total Resource Cost (TRC) test

- TRC benefit cost ratio (BCR) = NPV of Benefits / Total Resource Cost

## Benefits

- Savings x Avoided Costs per therm
- Quantifiable non-energy benefits

## Total Resource Measure Costs

- Full cost of EE measure or incremental cost of installing efficient measure over baseline measure

# Cost-Effectiveness Override in Model

Energy Trust applied this feature to measures found to be NOT Cost-Effective in the model but are offered through programs, sometimes with OPUC exception. Examples:

- Commercial Insulation and Windows
- Residential Furnaces
- New Homes Construction Pathways
- Residential Smart Thermostats
- Residential Windows
- Residential Insulation (ceiling, floor, wall)
- Residential Tank Water Heater

# Emerging Technology

- New model includes savings potential from emerging technologies
- Factor in changing performance, cost over time
- Use risk factors to hedge against uncertainty

| | ET Risk Factor Scorecard | | | | |
|---|---|---|---|---|---|
| Risk Category | 10% | 30% | 50% | 70% | 90% |
| Market Risk (25% weighting) | High Risk:<br>• Requires new/changed business model<br>• Start-up, or small manufacturer<br>• Significant changes to infrastructure<br>• Requires training of contractors. Consumer acceptance barriers exist. | | | Low Risk:<br>• Trained contractors<br>• Established business models<br>• Already in U.S. Market<br>• Manufacturer committed to commercialization | |
| Technical Risk (25% weighting) | High Risk: Prototype in first field tests. A single or unknown approach | Low volume manufacturer. Limited experience | New product with broad commercial appeal | Proven technology in different application or different region | Low Risk: Proven technology in target application. Multiple potentially viable approaches. |
| Data Source Risk (50% weighting) | High Risk: Based only on manufacturer claims | Manufacturer case studies | Engineering assessment or lab test | Third party case study (real world installation) | Low Risk: Evaluation results or multiple third party case studies |

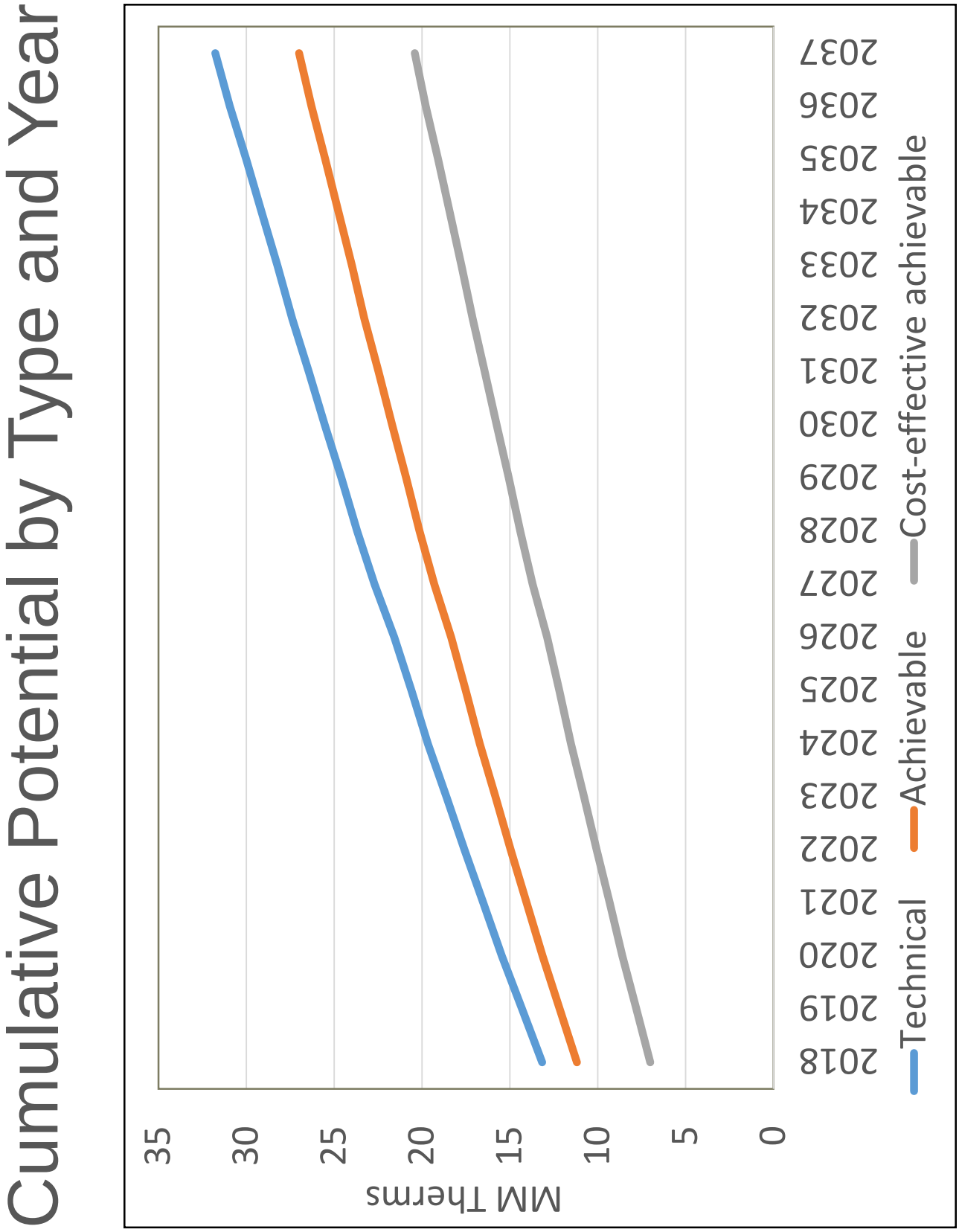
# Emerging Technologies

| Residential | Commercial | Industrial |
|---|---|---|
| • Window Replacement (U<.20)<br>• Advanced Insulation Technologies<br>• Smart Devices Home Automation / Controls<br>• Absorption Gas Heat Pump Water Heaters<br>• AFUE 98/96 Furnace | • AC Heat Recovery, Hot Water<br>• Advanced Ventilation Controls<br>• Smart/Dynamic windows<br>• Highly Insulated Windows<br>• Energy Recovery Ventilator | • Gas-Fired Heat Pump Water Heaters<br>• Wall Insulation |

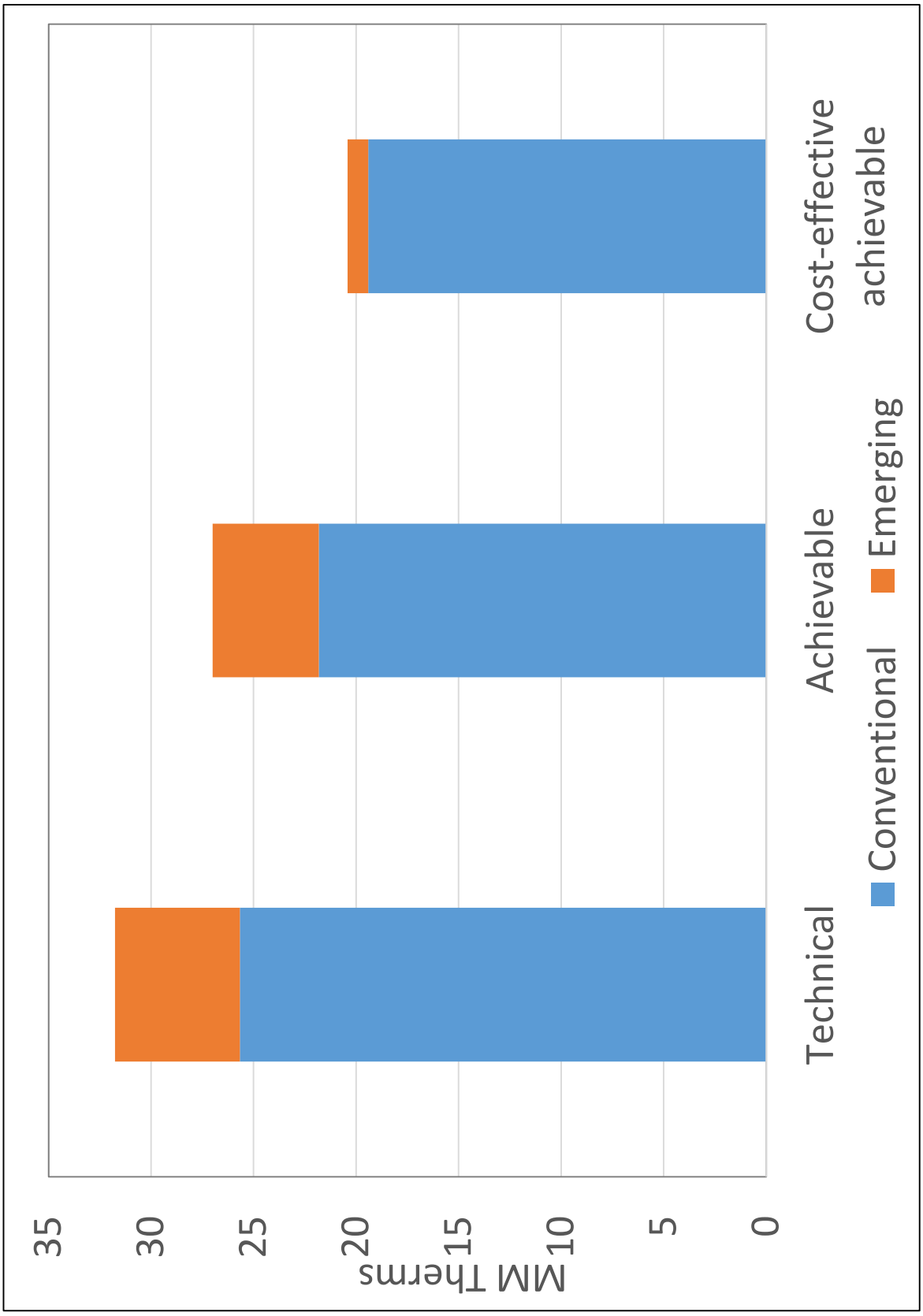
# Outputs:

<table>
<tr><td>Not technically feasible</td><td colspan="3">Technical Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td colspan="2">Achievable Potential<br>85% of Technical</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td>Not cost effective</td><td>Cost-Effective Potential</td></tr>
</table>

# Results


Cumulative Potential by Type and Year
MM Therms
35
30
25
20
15
10
5
0
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
Technical
Achievable
Cost-effective achievable

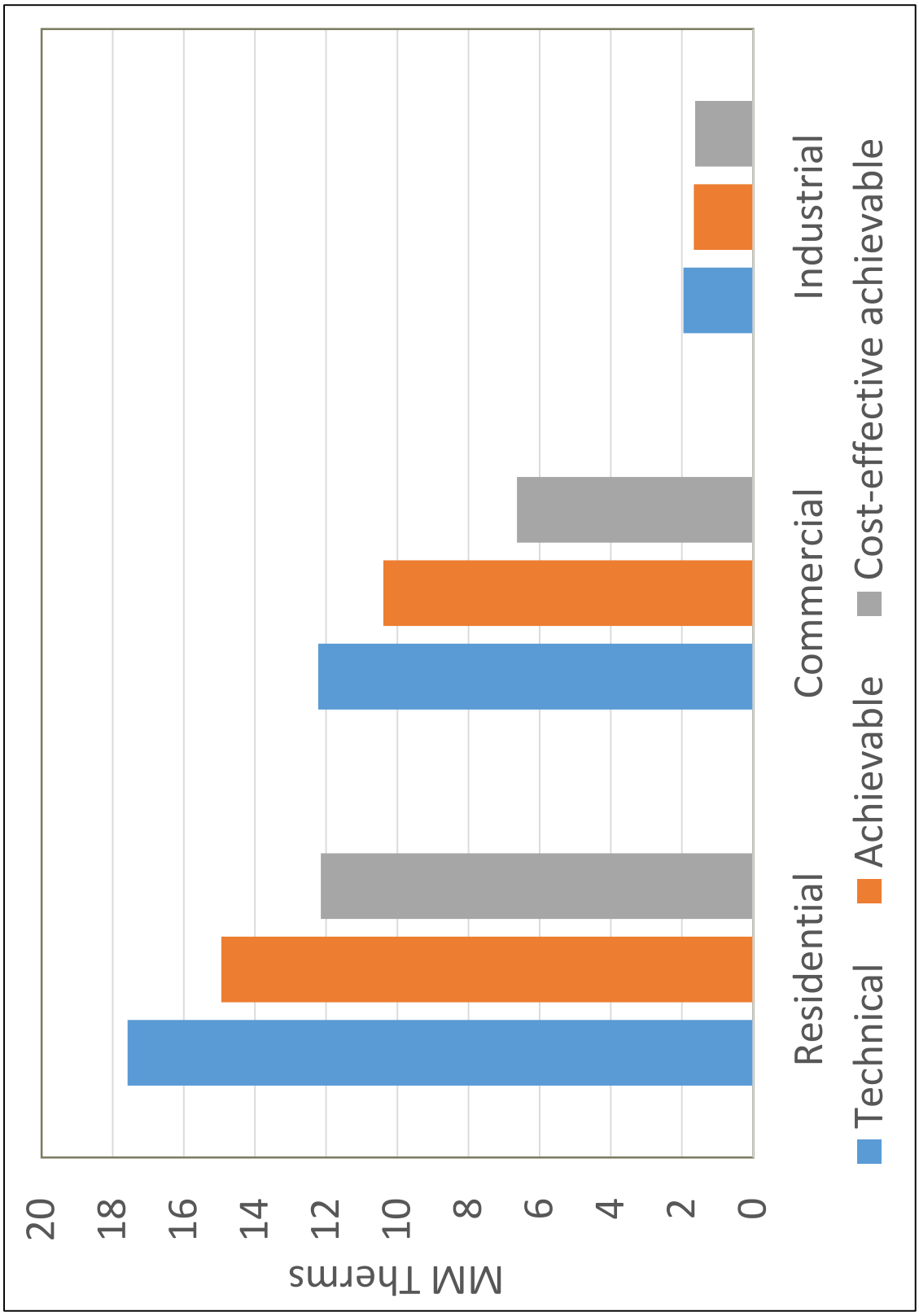
# Cumulative Emerging Technology Contribution



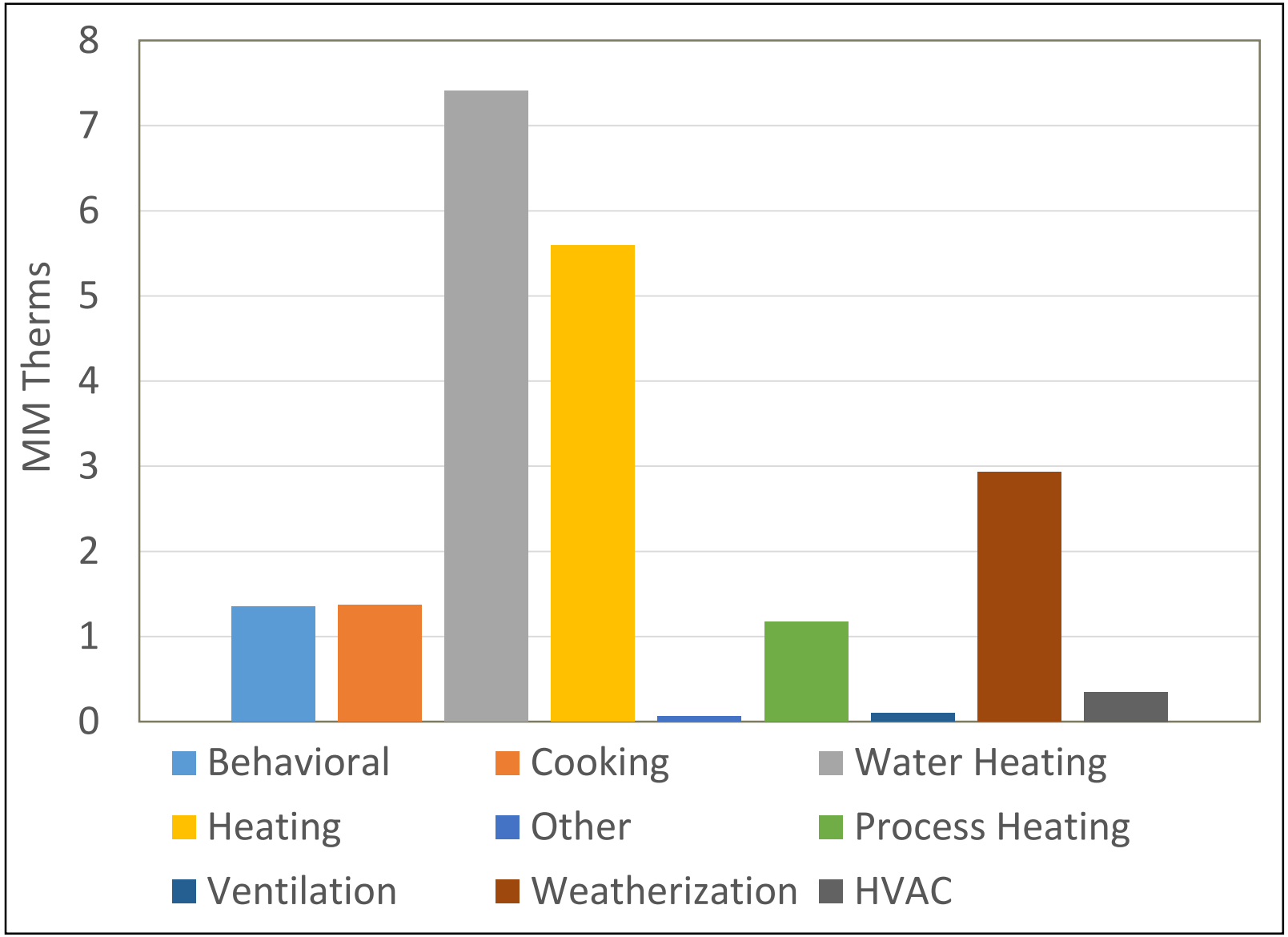
# Cost-Effective Override – MM Therms

| Sector | Yes CE Override | No CE Override | Difference |
|---|---|---|---|
| **Residential** | 12.15 | 5.78 | 6.37 |
| **Commercial** | 6.64 | 6.47 | 0.17 |
| **Industrial** | 1.63 | 1.63 | - |
| **Total DSM:** | **20.42** | **13.88** | **6.54** |

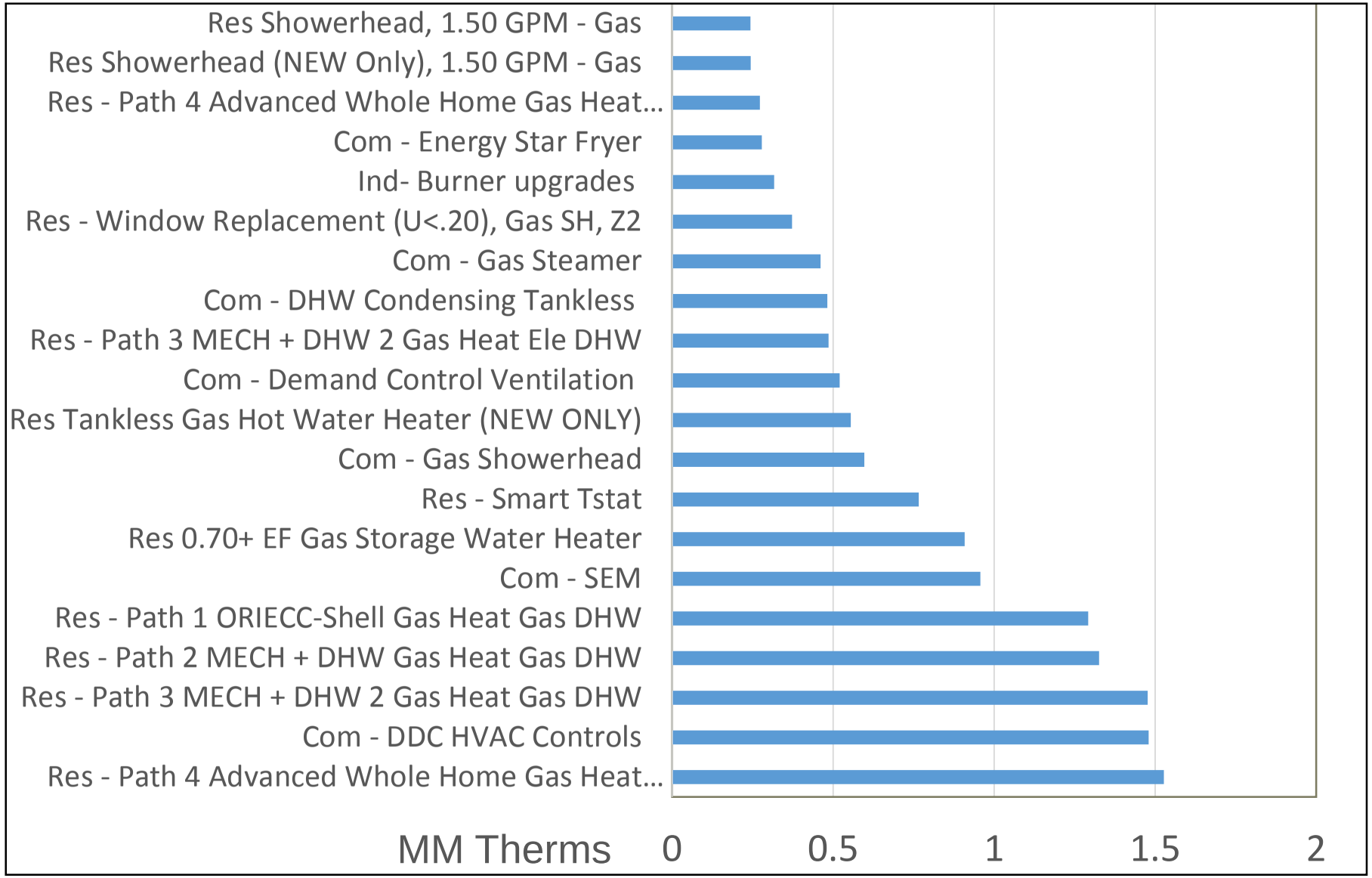
# Cumulative Potential by Sector and Type



# Cumulative Cost-effective Potential by End Use



# Top-20 Measures – Cost-Effective Cumulative Potential

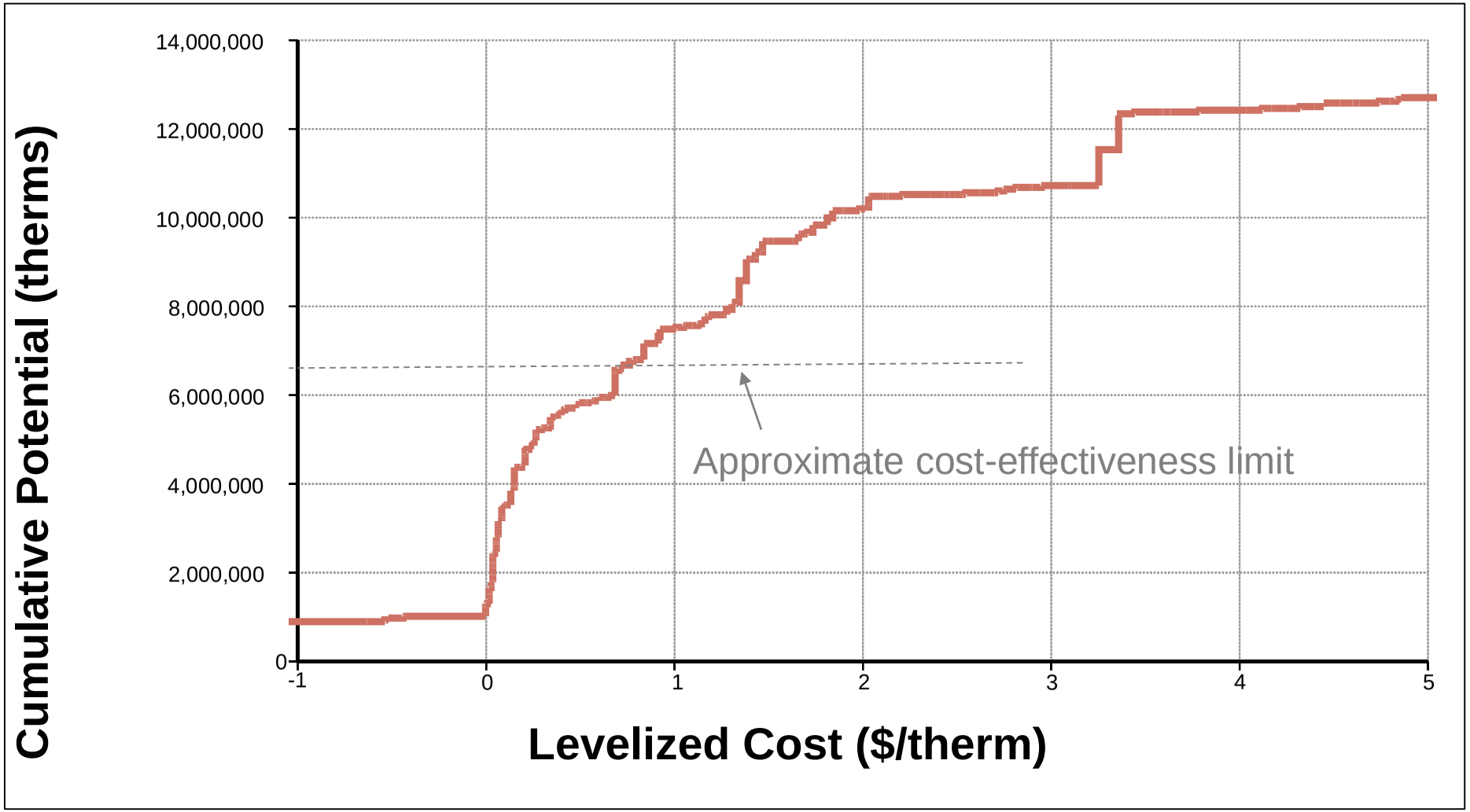


# Market Transformation Savings Forecasts from Program Building Code Efforts

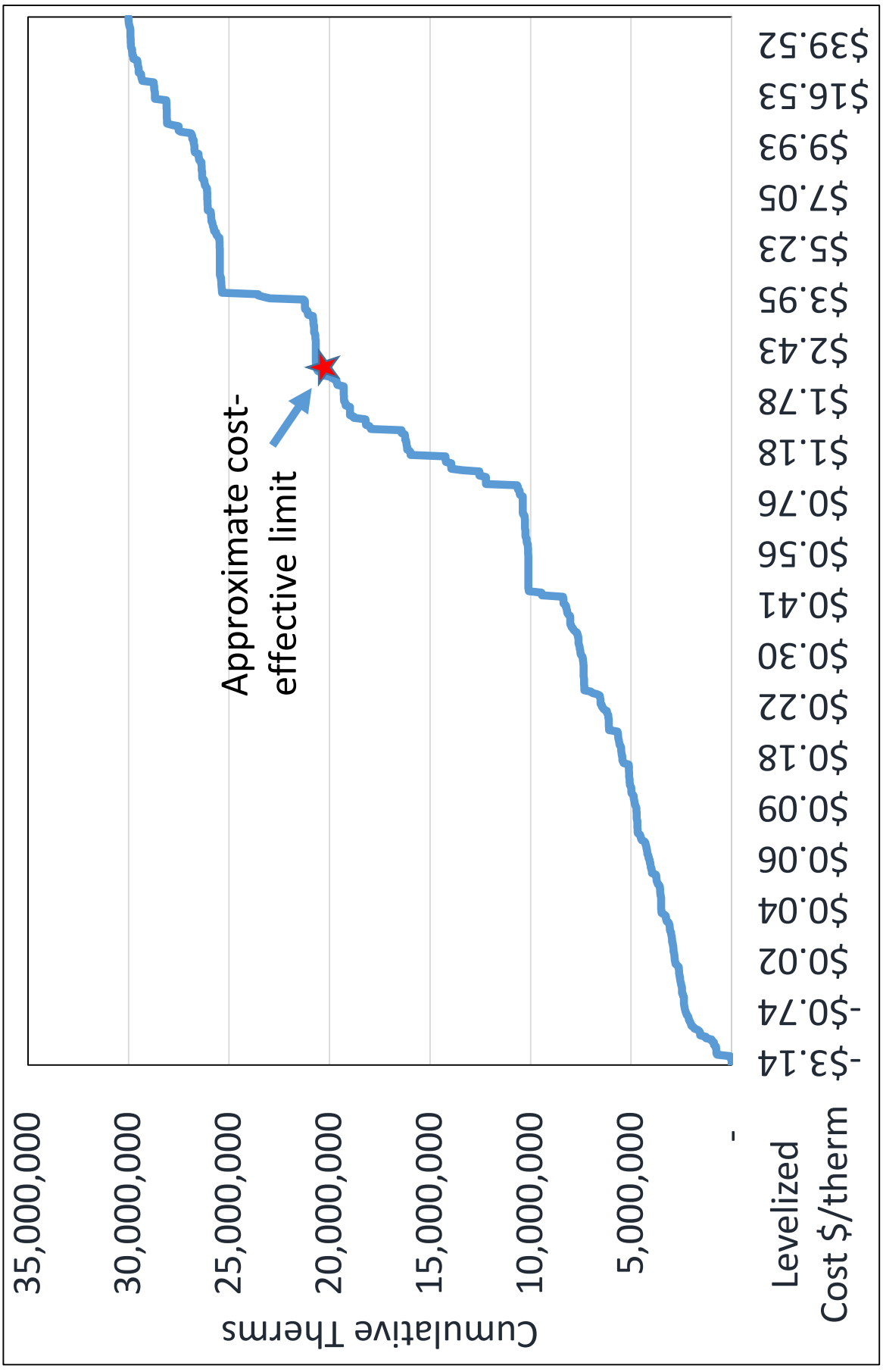
- New Home Construction Market Transformation:
  - 2018 Forecast of 54,335 therms
  - 2019 Forecast of 55,983 therms

- New Buildings Construction Market Transformation:
  - 2018 Forecast of 5,510 therms
  - 2019 Forecast of 5,510 therms

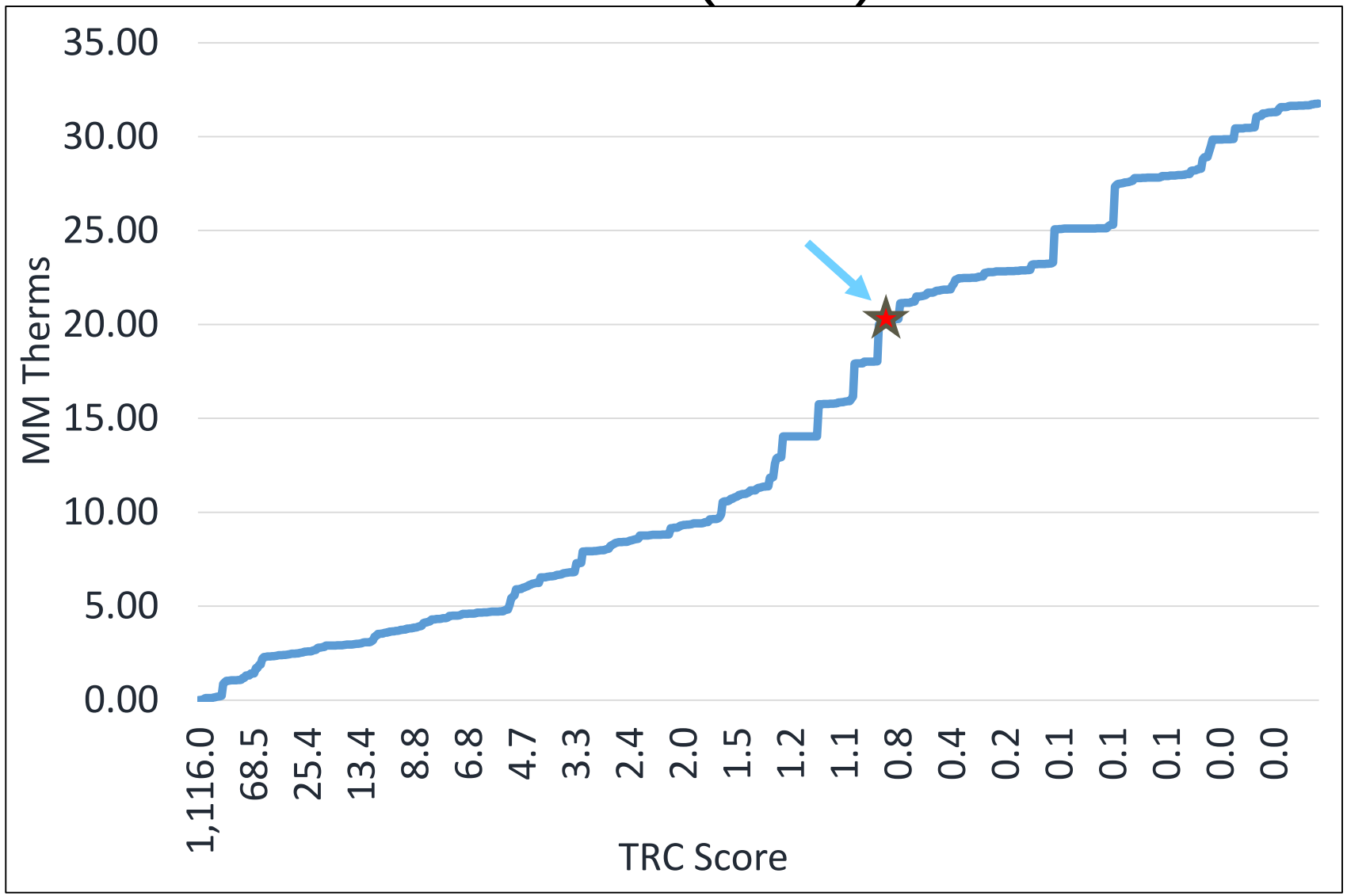
# 2015 Supply Curve – 20 Year Technical Potential



# 2018 Supply Curve – 20 Year Technical Potential by Levelized Cost of Energy



# Supply Curve – 20 Year Cumulative Technical Potential by Total Resource Cost (TRC) Score



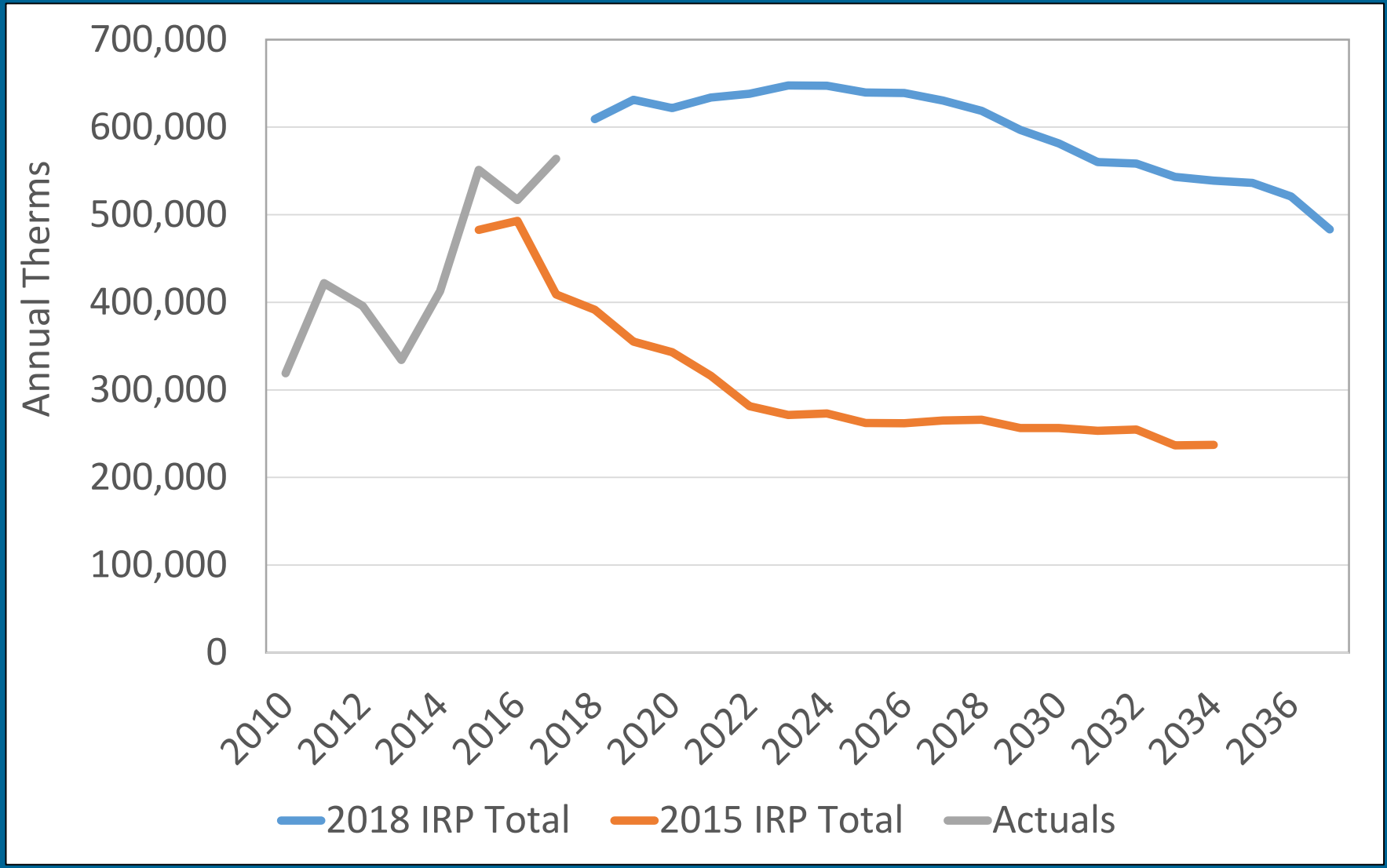
# 2018 IRP Projected Savings

<table>
<tr><td>Not technically feasible</td><td colspan="4">Technical Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td colspan="3">Achievable Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td>Not cost effective</td><td colspan="2">Cost Effective Potential</td></tr>
<tr><td>Not technically feasible</td><td>Market barriers</td><td>Not cost effective</td><td>Program design, market penetration</td><td>Program Savings Projection</td></tr>
</table>

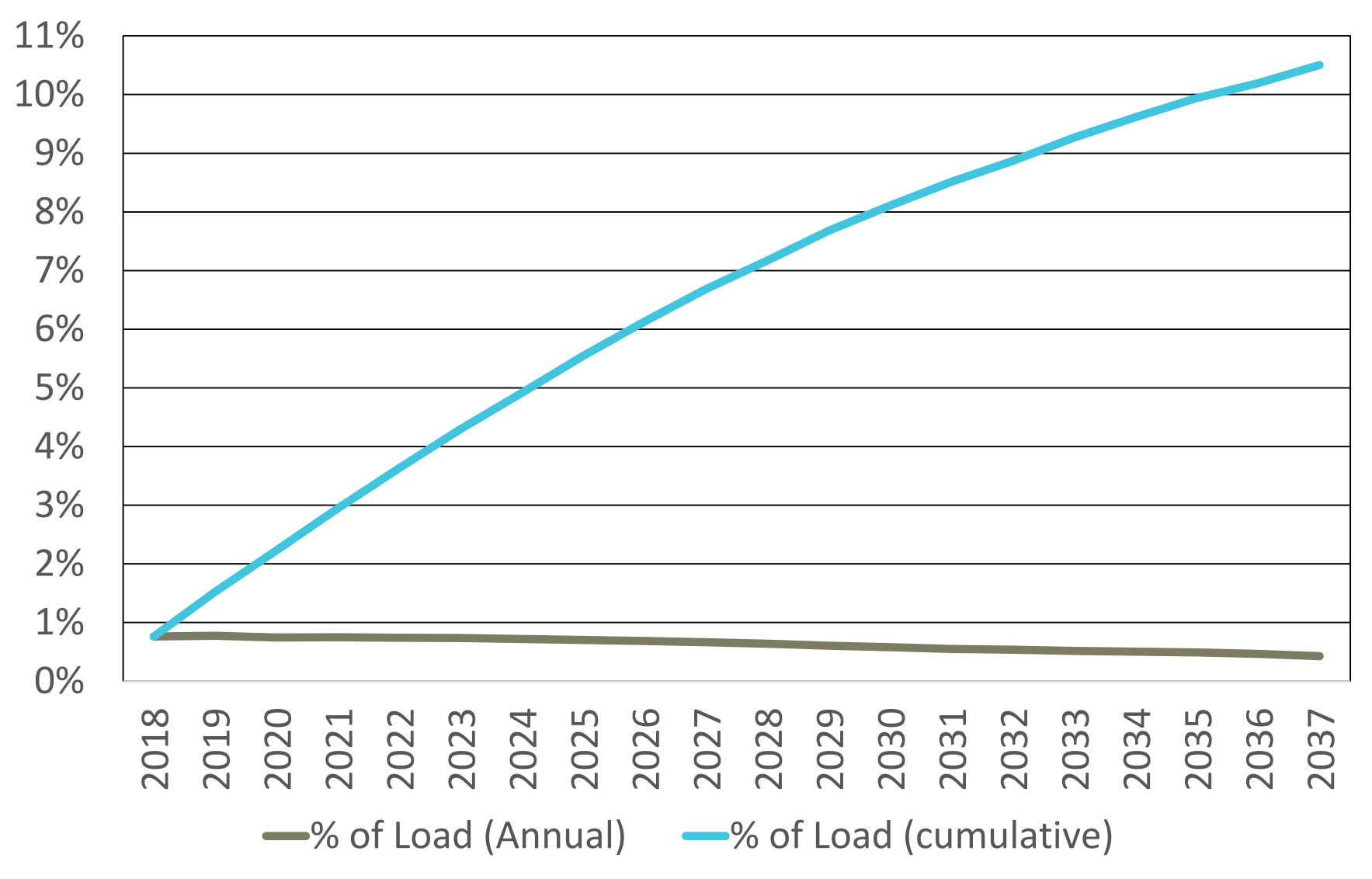
# 20-Year Potential by Type

| | Technical | Achievable | Cost-effective | Energy Trust Savings Projection |
|---|---|---|---|---|
| **Residential** | 17,580,928 | 14,943,789 | 12,148,348 | 4,344,727 |
| **Commercial** | 12,225,805 | 10,391,934 | 6,638,878 | 6,285,500 |
| **Industrial** | 1,957,048 | 1,663,491 | 1,627,931 | 1,245,219 |
| **All DSM** | **31,763,780** | **26,999,213** | **20,415,156** | **11,875,446** |

# 2015 vs. 2018 IRP Cost-Effective EE Savings Projections and Actuals



# Annual Projected Savings as Percent of CNG's Annual and Cumulative Load Forecasts



# Policies and Methodologies Informing DSM Outcome

# Externalities

- Cascade evaluates the impacts of a range of environmental externalities
  - Price of carbon
  - Supply costs
  - Other associated adders
- Potential impacts on the cost of natural gas (carbon adders, etc.)
- Include code changes and cost-effectiveness methodologies
- To the best extent possible, these potential impacts have been incorporated into the Oregon DSM projections

- Carbon policy adder = price forecast x 10% to factor for environmental externalities
  - Per Northwest Power and Conservation Council

- After 10% added, Cascade converts $10/ton carbon tax into dollar value per MMBtu
  - Then added to commodity cost

# Capacity Contribution and Value in Energy Efficiency

- Analysis at citygate level
- Demand reduced by the inputted level of EE before any optimization calculated
- Examining NWN approach
- Analysis will benefit from evolving conversation on capacity/avoided cost in Oregon

# National

- National Standard Practice Manual
  - National Efficiency Screening Project, and E4TheFuture
  - Expands upon California Standard Practice Manual
  - Regulators select core costs/benefits for valuation of utility-run conservation

- Clean Power Plan
  - Requires existing fossil fuel-fired electric generating facilities to reduce carbon dioxide emissions
  - Currently being reevaluated by the EPA for consistency with the Executive Order on Promoting Energy Independence and Economic Growth

# Oregon

- Renewable Energy Goals
  - Portland proposes to go 100% renewable energy by 2035, and 100% economy wide by 2050
  - Similar goals are under consideration in Hillsboro, Milwaukie, & Beaverton

- Gas to Electric Fuel-Switching
  - Ashland and Eugene have adopted energy action plans to reduce carbon emissions
  - Migration from direct use to gas-to-electric fuel switching
  - Cities plan use of renewables for electric generation as 1st phase

- HB3711 Moratorium on Hydraulic Fracturing for Oil and Gas Exploration and Production
  - Would prohibit hydraulic fracking in Oregon with moratorium until December 31, 2026
  - Exceptions for natural gas storage wells, geothermal wells/energy, & coal bed methane extraction wells
  - Passed through House, but not through Senate

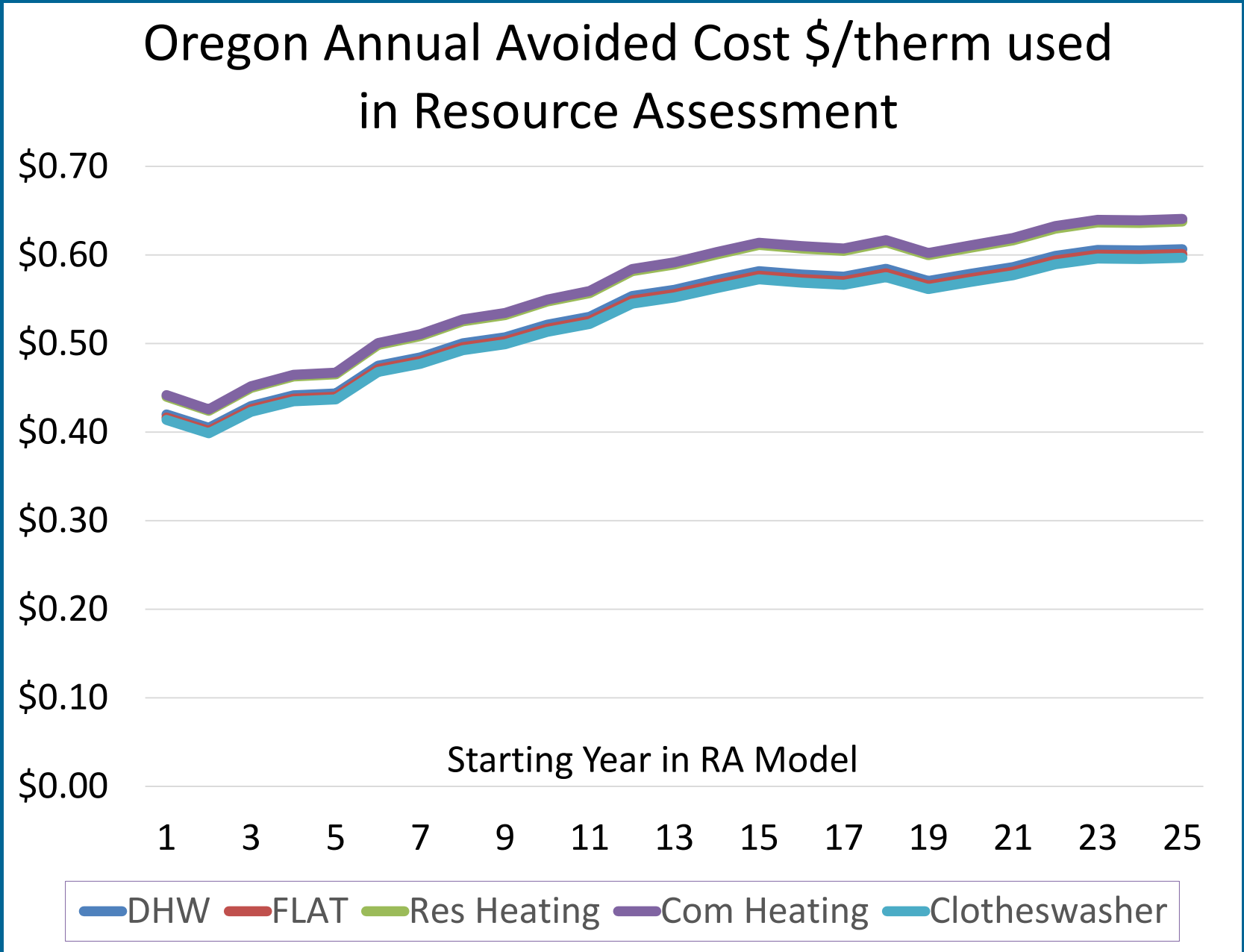
# Washington

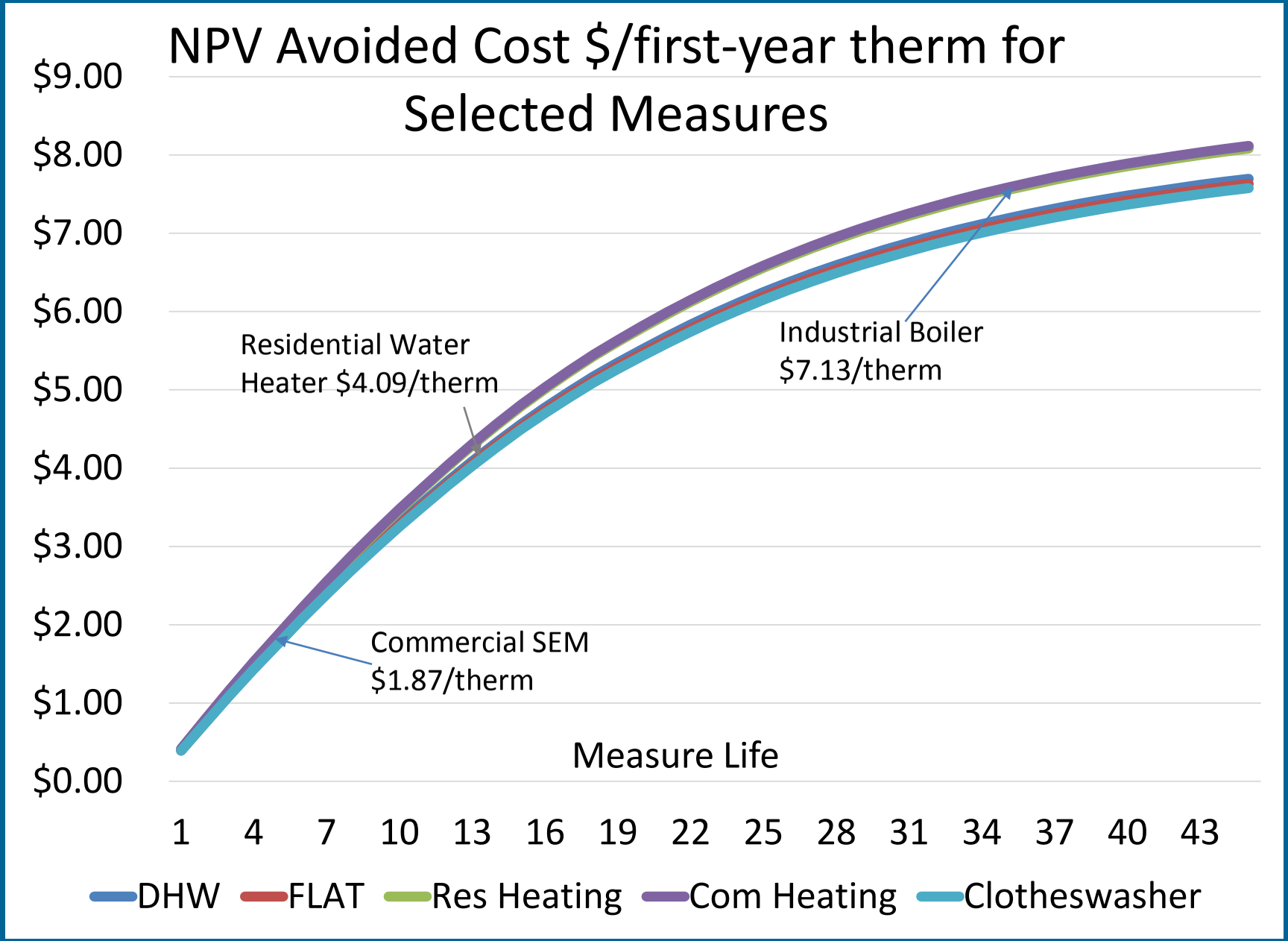
- <u>Carbon Tax</u>
  - Many bills circulated in the state of Washington
  - Ranges from $15/ton to $25/ton & increasing upwards over time
  - None passed, but watching closely
  - Movement by Alliance for Jobs and Clean Energy and The Natural Conservancy
    - Price on carbon- petroleum, natural gas electricity, stationary sources

- <u>Deep Decarbonization</u>
  - Governor Inslee's office released "deep decarbonization" study
  - Emissions reductions
  - Goal to curb global temperature increase below two degrees Celsius
  - Envisions replacing natural-gas with biomethane, synthetic natural gas & hydrogen

- <u>Clean Air Rule</u>
  - Cascade continues to evaluate options for compliance with the Clean Air Rule

# Avoided Costs

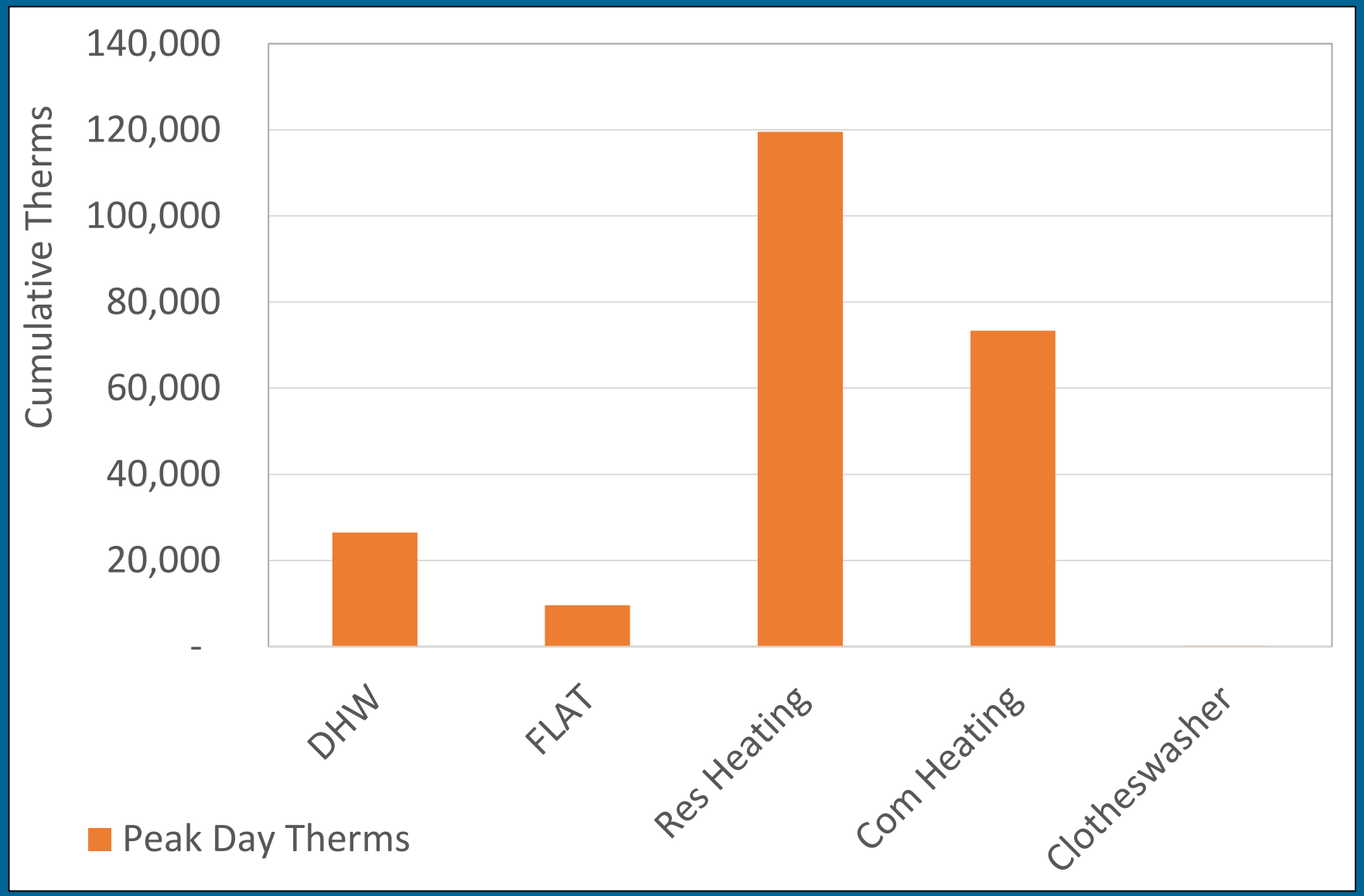

Oregon Annual Avoided Cost $/therm used in Resource Assessment
$0.70
$0.60
$0.50
$0.40
$0.30
$0.20
$0.10
$0.00
Starting Year in RA Model
1
3
5
7
9
11
13
15
17
19
21
23
25
DHW
FLAT
Res Heating
Com Heating
Clotheswasher


NPV Avoided Cost $/first-year therm for Selected Measures
$9.00
$8.00
$7.00
$6.00
$5.00
$4.00
$3.00
$2.00
$1.00
$0.00
Residential Water Heater $4.09/therm
Industrial Boiler $7.13/therm
Commercial SEM $1.87/therm
Measure Life
1 4 7 10 13 16 19 22 25 28 31 34 37 40 43
DHW
FLAT
Res Heating
Com Heating
Clotheswasher

# Peak-Day Savings

| Peak Day/Annual Usage Savings Factors | |
|---|---|
| Load Profile | Peak Day Factor |
| DHW | 0.4% |
| FLAT | 0.3% |
| Res Heating | 2.1% |
| Com Heating | 1.8% |
| Clotheswasher | 0.2% |

# Peak-Day Savings by Load Profile – 20 Year Potential



# Acquisition of all Cost Effective DSM

# 2018 Programs – Pursuing all C/E Efficiency

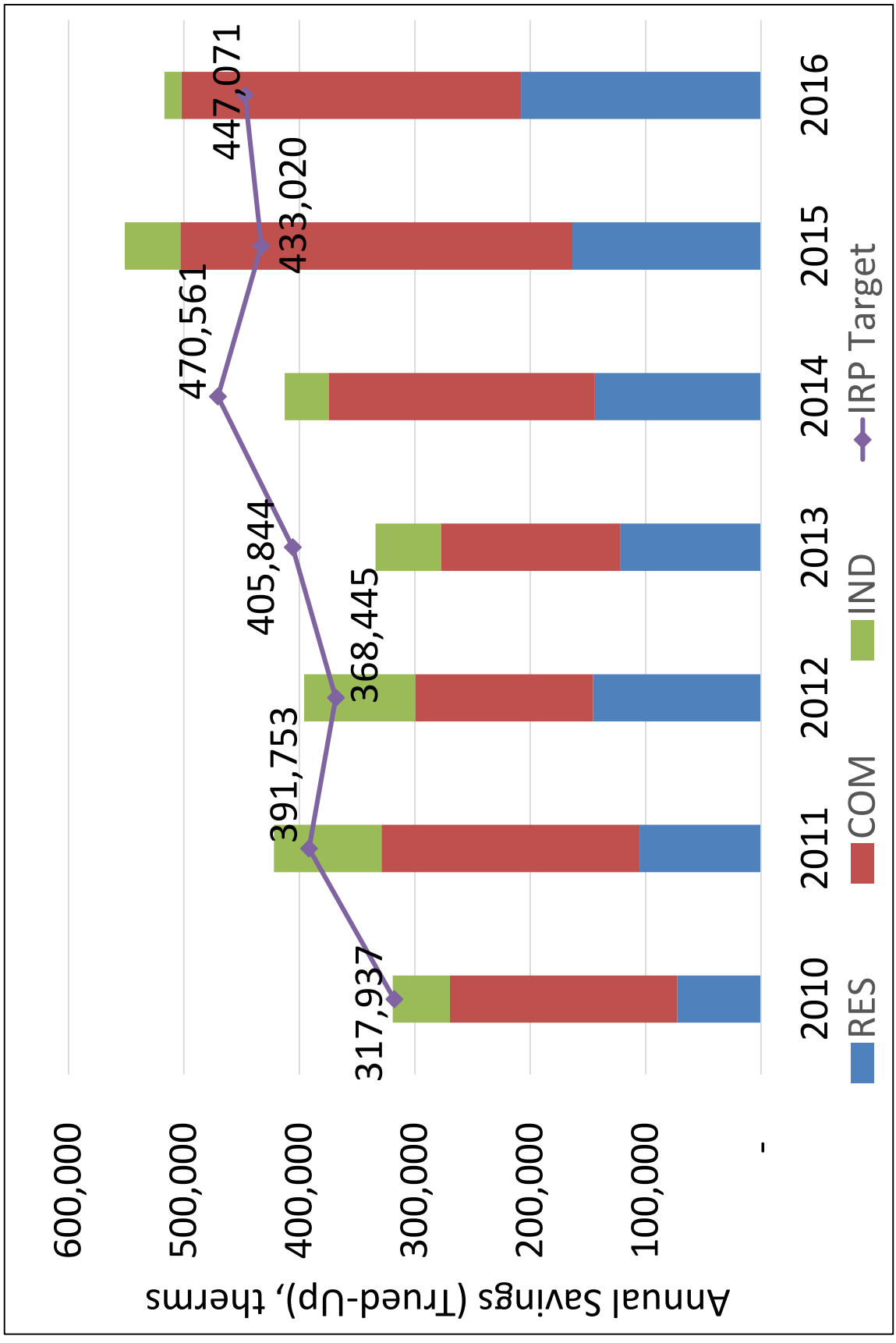
- Residential – Existing and New Home Construction
  - Single family, moderate income (SWR), manufactured homes
  - Weatherization (insulation, windows)
  - Gas fireplaces, furnaces for rentals and SWR
  - Water heaters, showerheads, aerators

- Commercial – Existing, New and multifamily in Oregon
  - Retail, offices, schools, groceries….all market segments
  - HVAC, controls, cooking equipment, water heating, windows, insulation

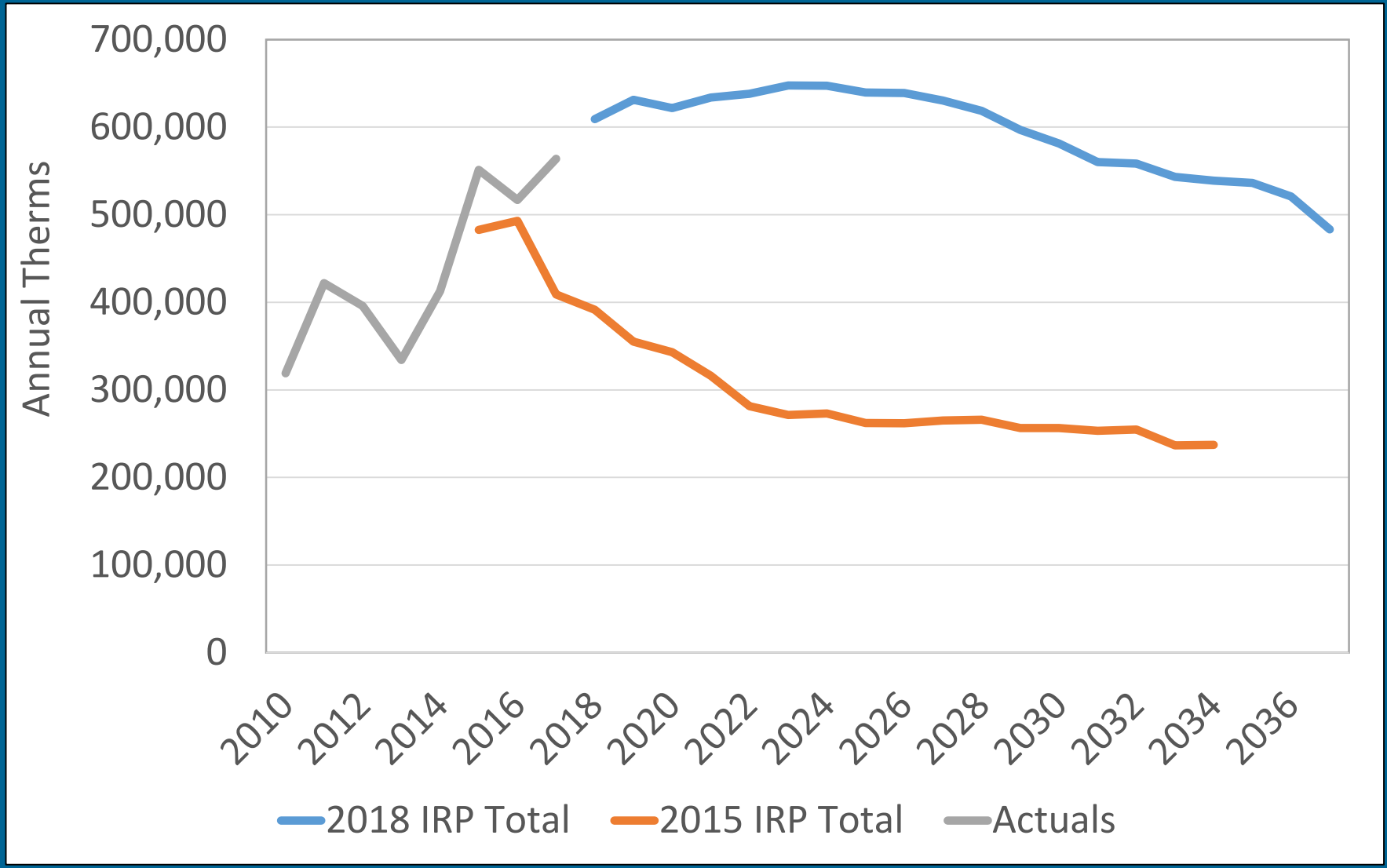
- Industrial & Agriculture in Oregon– Non transport sites
  - Manufacturing facilities, greenhouses
  - HVAC, O&M, process improvements

# • Cascade Natural Gas & Energy Trust

- Serving Oregon since 2006:
  - Served over 18,000 households, over 1,100 commercial sites and over 44 industrial sites


Annual Savings (Trued-Up), therms
600,000
500,000
400,000
300,000
200,000
100,000
-
317,937
391,753
368,445
405,844
470,561
433,020
447,071
2010
2011
2012
2013
2014
2015
2016
RES
COM
IND
IRP Target

# 2015 vs. 2018 IRP Cost-Effective EE Savings Projections and Actuals



# Program Funding

- Public Purpose Charge is established at a rate adequate to fund all cost-effective energy efficiency efforts identified with ETO
- OPUC Schedule No. 31, Public Purpose Funding
- Total PPC amount varies depending upon gas usage (weather-sensitive) and price
- Schedule 31 adjusted over time to align customer charges with program funding requirements

# Adjustment History

**Effective Date June 15, 2007**
- Charge set at 1.5% of Revenues
  - 80% to ETO
  - 20% LI Programs

**November 1, 2011**
- Charge increased to 2.44%
- 88% to ETO
- 12% to LI Programs

**November 1, 2012**
- Charge increased to 3.91%
  - 93% to ETO
  - 7% to LI Programs

**July 1, 2013**
- Charge increased to 5.46%
  - 95% to ETO
  - 5% to LI Programs

**April 1, 2014**
- Charge decreased to 1.85%
  - 87% to ETO
  - 13% to LI Programs

**February 1, 2016**
- Charge increased to 3.4%
  - 93% to ETO
  - 7% LI Programs

- Revision to Schedule 31
  - Effective date of 12/1/2016
  - Increase to 4.87% with the intent of collecting $3,353,88
    - 88% was designated to the Energy Trust
      - $2,927,795 for the acquisition of 569,405 therm savings
    - 12% of funds directed towards Cascade's low income programs:
      - $50,000 to fund low income bill pay assistance
      - $361,627 for OLIEC and CAT

# Oregon Low Income Energy Conservation (OLIEC) & Conservation Achievement Tariff (CAT) Programs

# Cascade Community Action Partners Serving Central & Eastern Oregon

- NeighborImpact
- Community Action Program East Central Oregon (CAPECO)
- Community Connection of NE Oregon (CCNO)
- Community In Action (CINA)
- Oregon Human Development Corporation

# OLIEC

- Covers cost-effective portion of tariff approved measures
  - Ceiling, floor, wall and duct insulation
  - Duct sealing & infiltration system upgrades
  - High efficiency furnace installations, tune-up and filter replacement; and
  - High-efficiency water heaters
- New LI residential construction & individual custom efforts also eligible
- Additional $225 for admin & directly incurred program costs

# Conservation Achievement Tariff

- Bridges gap between avoided cost & installed cost of qualified work
- Established as permanent program Dec 1, 2016 via Advice No. O16-10-02
- Funding equals .0625% of gross revenues
- Resulting 2017 OLIEC and CAT budget of $361,627
- $550 audit and $300 inspection fee to agency per job completed
- Total installed costs under OLIEC/CAT may not exceed $10,000

# Achievements and Projections

- Since 2006:
  - **570** homes weatherized
  - **86,700** therms saved
  - **150** (approx.) therms per home on average
  - **$6,800** average per home cost

- Approximately **50** homes will be served each year (estimated **7,500** therms a year) if funds maintained near **$361,627** level

- Based on pilot activities, likely Agencies would be able to serve around **100** homes annually if funded at full capacity

# Other Items

# Future Action Plan Items (DSM)

- Coordination with ETO to achieve Geographically Targeted DSM
- Maintain holistic approach to planning & acquisition of demand side resources
- Integration of results deriving from OPUC Investigation into EE Avoided Costs
- Ongoing refinement of energy savings analysis to further align with capacity contribution and demand

# Questions

Allison Spector, Manager of Conservation Policy
Cascade Natural Gas Corporation
206-310-1120
allison.spector@cngc.com

- Thank You

Andy Hudson
Planning Project Manager

andrew.hudson@energytrust.org
503.546.3622

EnergyTrust of Oregon

# SENDOUT Modeling Update



CASCADE NATURAL GAS CORPORATION
A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®

# SENDOUT® Model

- Cascade utilizes SENDOUT® for resource optimization.
- This model permits the Company to develop and analyze a variety of resource portfolios to help determine the type, size, and timing of resources best matched to forecast requirements.
- SENDOUT® is very powerful and complex. It operates by combining a series of existing and potential demand side and supply side resources and optimizes their utilization at the lowest net present cost over the entire planning period for a given demand forecast.

# SENDOUT® Model Cont'd

- SENDOUT® utilizes a linear programming approach.
- The model knows the exact load and price for every day of the planning period based on the analyst's input and can therefore minimize costs in a way that would not be possible in the real world.
- Therefore, it is important to acknowledge that linear programming analysis provides helpful but not perfect information to guide decisions.

# Portfolios

- Deterministic Optimal
- NWP Only
- NWP with Incremental Storage
- GTN Only
- GTN with Incremental Storage
- Incremental Storage Only

# Supply Resource Optimization Process

- **Step 1: As-Is Analysis**
  - Run a deterministic optimization of existing resources with a three-day peak event to uncover timing and quantity of resource deficiencies.
- **Step 2: Introduce Additional Resources**
  - Include incremental supply, storage, and transportation to derive a deterministic optimal portfolio, additional portfolios.
- **Step 3: Stochastic Analysis of All Portfolios Under Existing Conditions**
  - Run all portfolios through a Monte Carlo weather simulation, using expected growth, supply and storage accessibility. Record the probability distributions of total system costs for each portfolio.
- **Step 4: Ranking of Portfolios**
  - Determine the preferred portfolio based on mean total system cost and Value at Risk (VaR) of each portfolio. This resource mix will be the best combination of cost and risk for Cascade and its customers.

# Supply Resource Optimization Process Cont'd.

- **Step 5: Stochastic Analysis of Preferred Portfolio**
  - Run Monte Carlo simulations of various scenarios on preferred portfolio; comparing Mean and VaR to a managerial limit.
- **Step 6: Analysis of Preferred Portfolio**
  - Review data to confirm total system costs did not exceed Mean and VaR limits in any scenario. If limit is exceeded, repeat step 5 with next highest ranked portfolio.
- **Step 7: Sensitivity of Preferred Portfolio**
  - Run the preferred portfolio through Monte Carlo simulations on price. Review results to determine if total system cost is within the Mean and VaR limits across all sensitivities.
- **Step 8: Re-evaluation of Preferred Portfolio**
  - If the total system costs fall outside of the Mean and VaR limits in sensitivity analysis, select the next most optimal portfolio to run scenario and sensitivity analysis on. Repeat as needed.

# Preliminary Results



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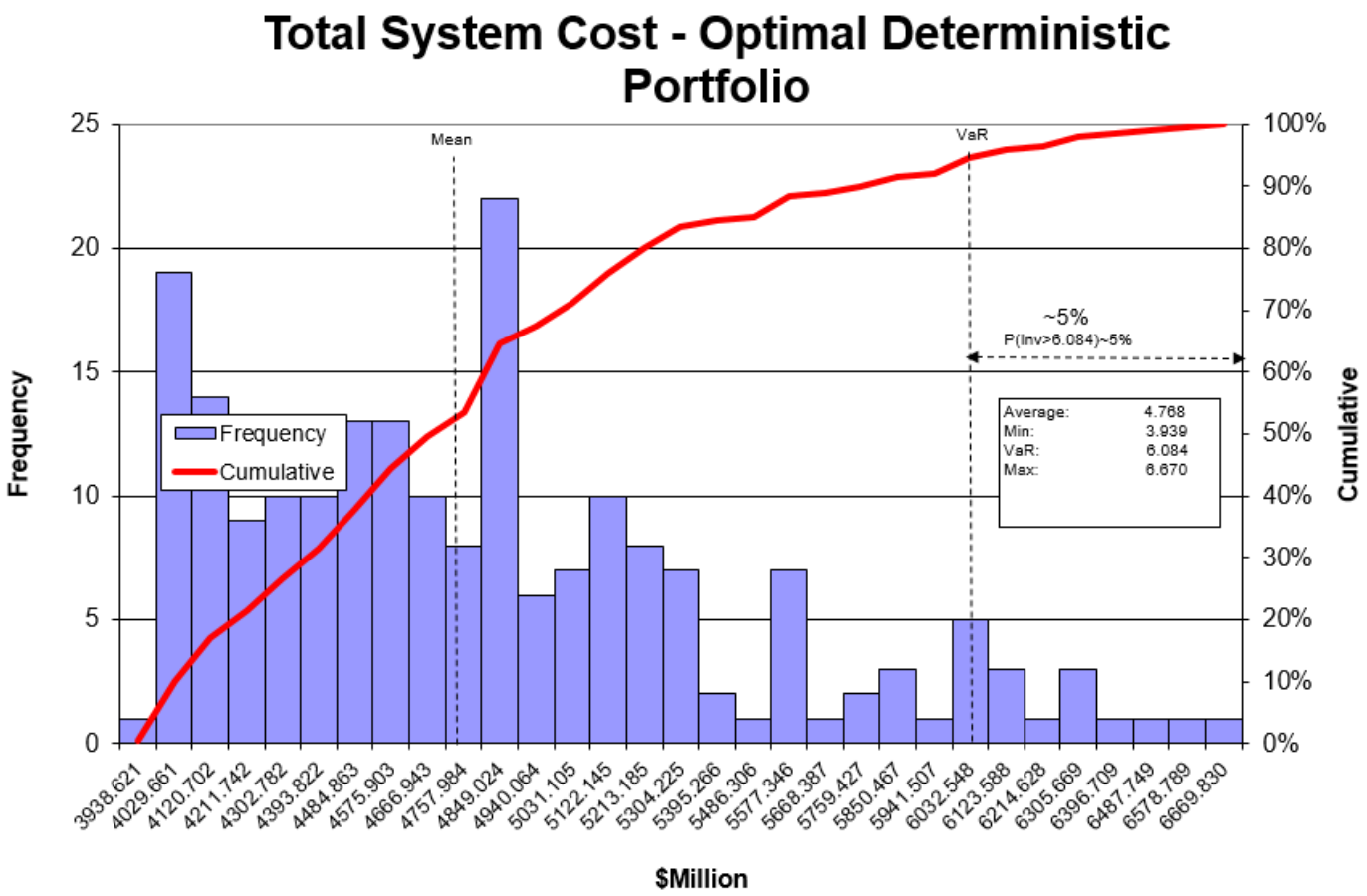
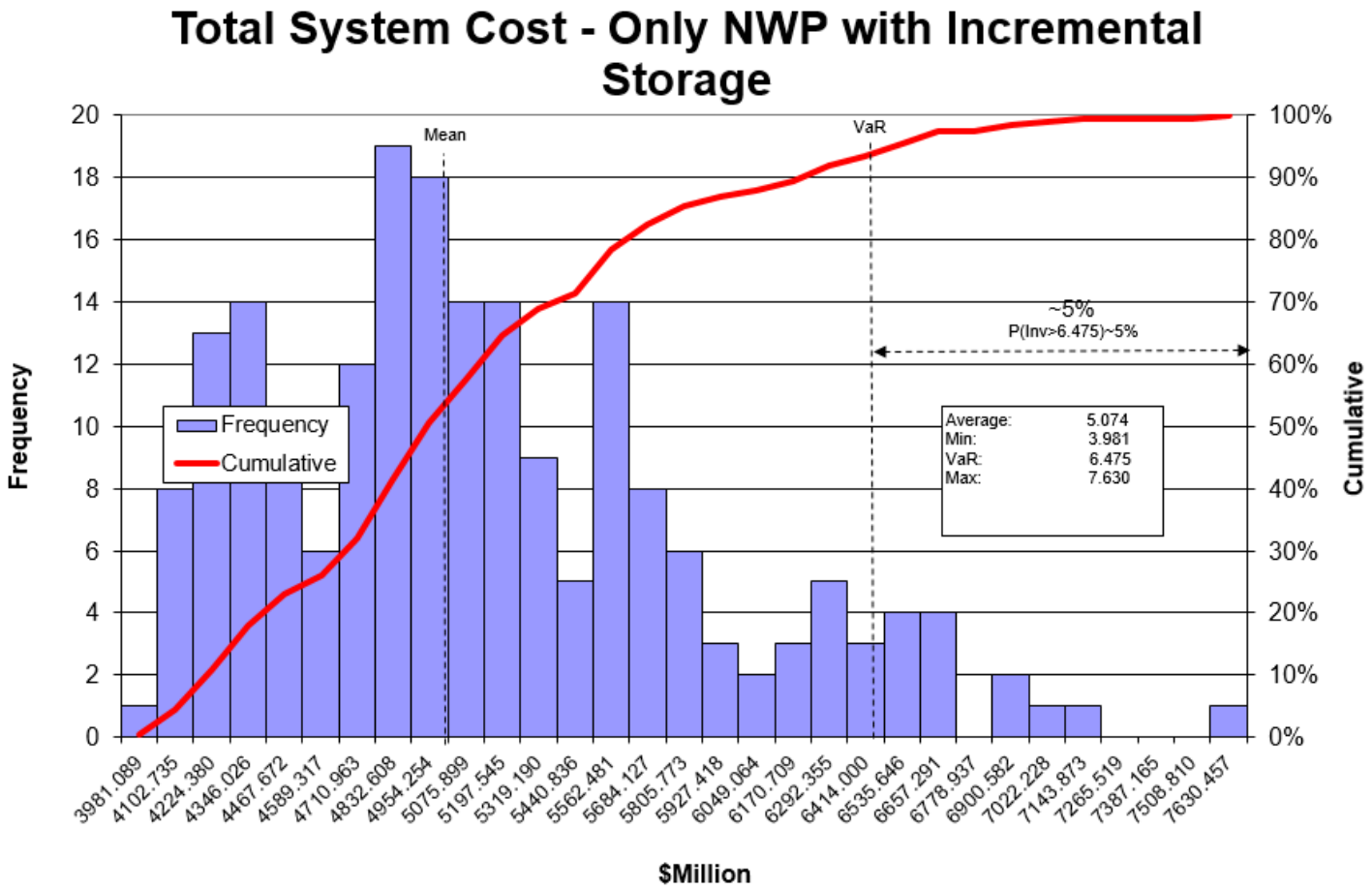
In the Community to Serve®

# Preliminary Results



# Preliminary Results



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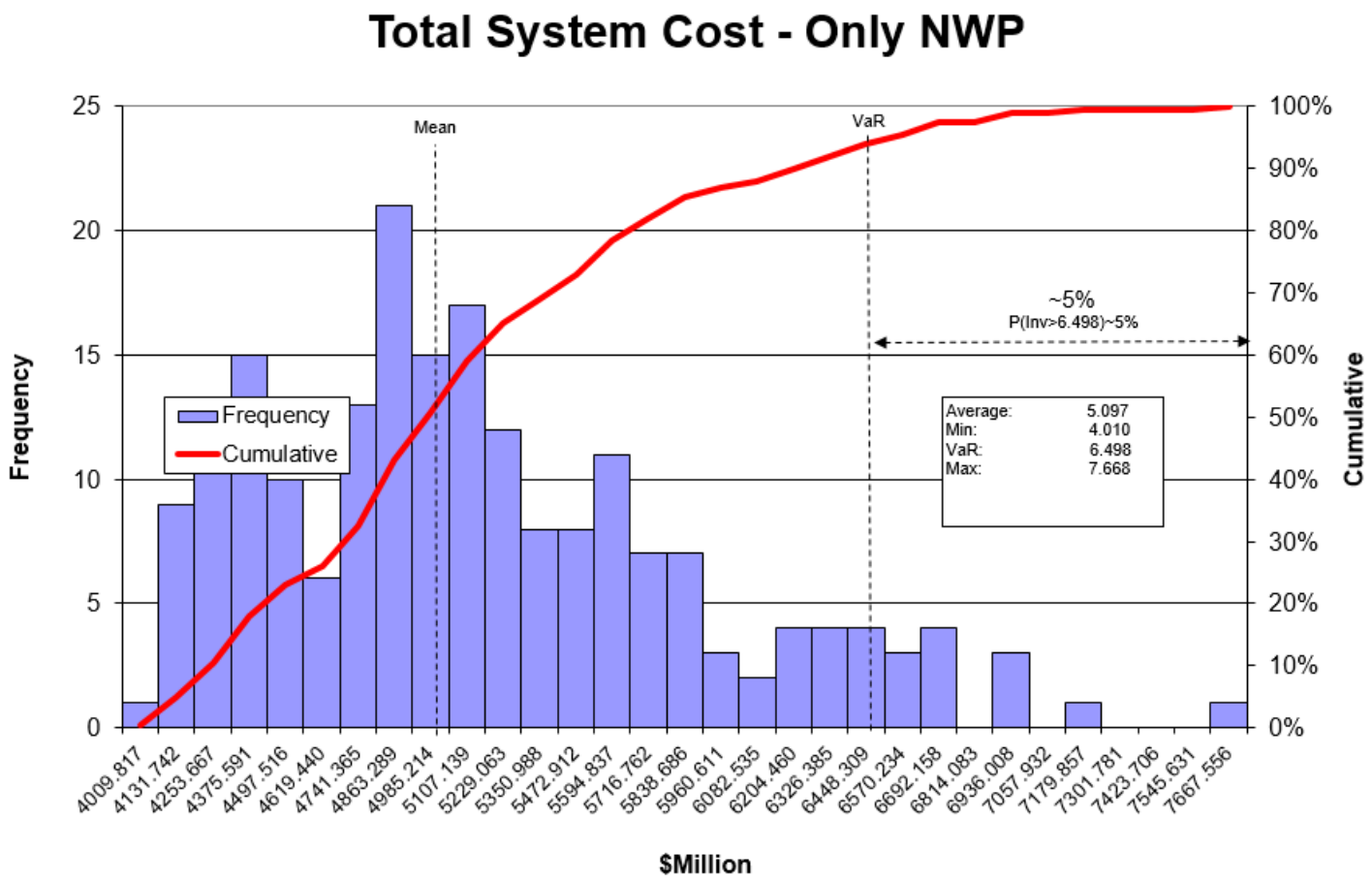




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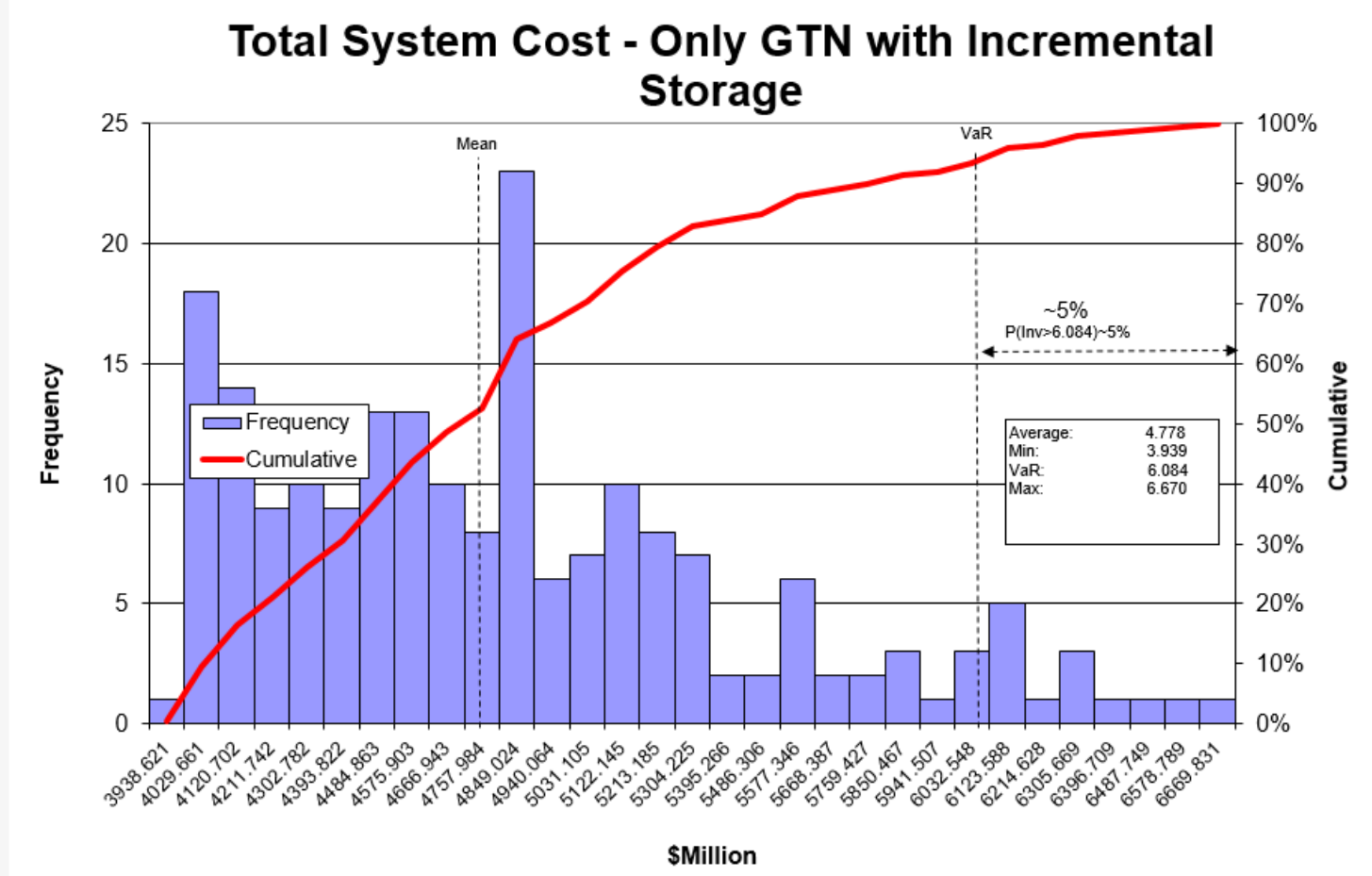
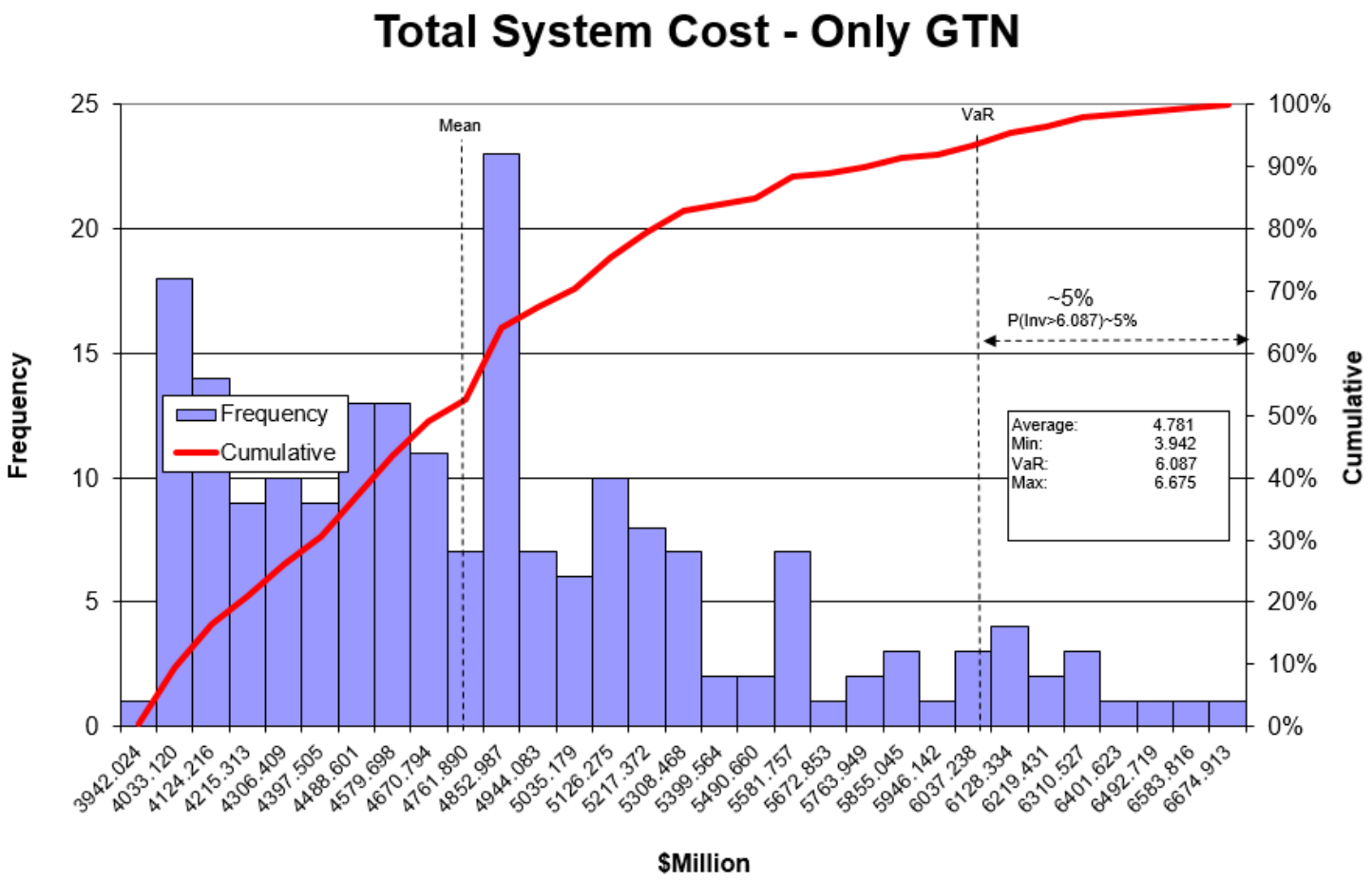
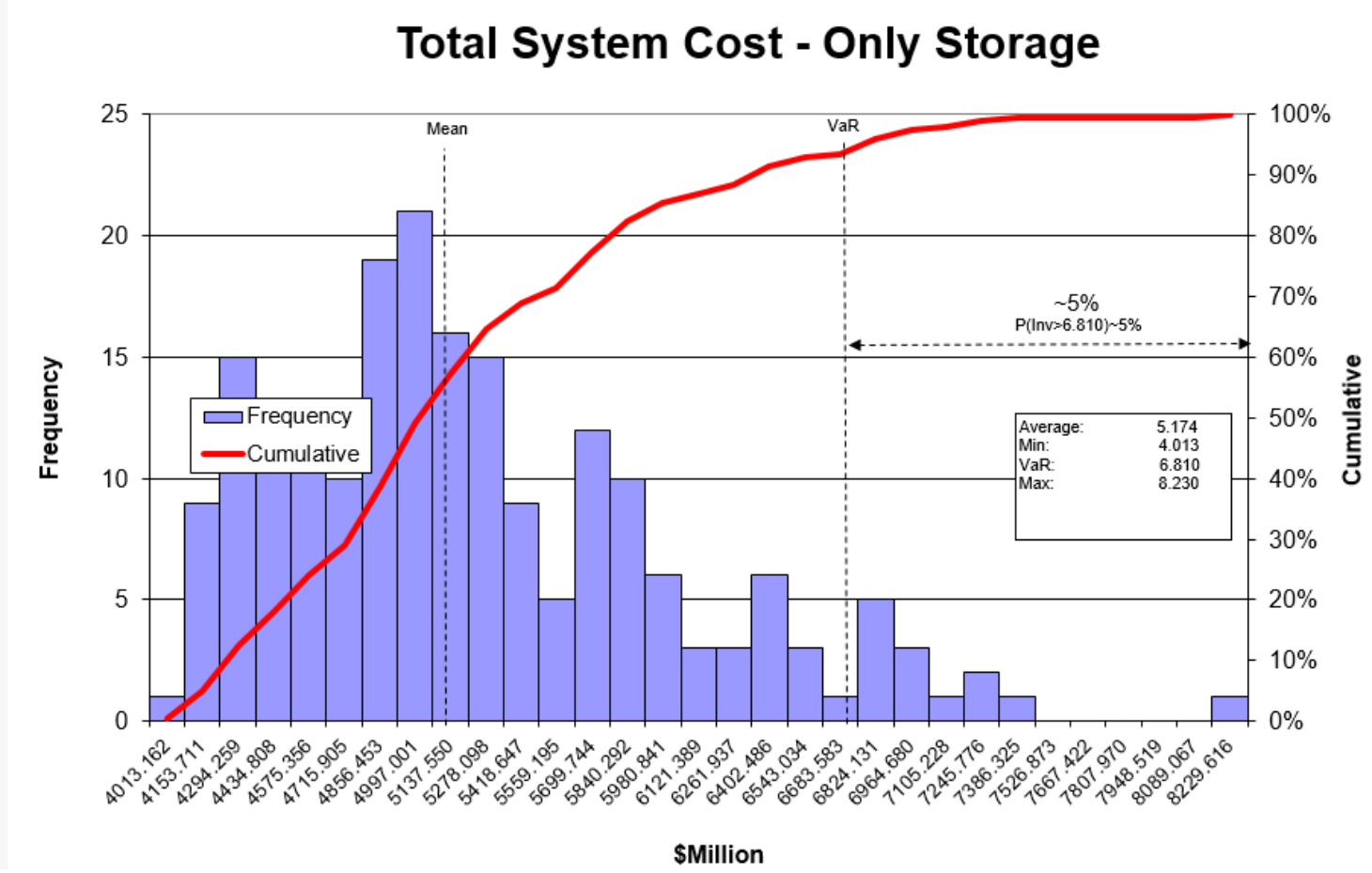


# Preliminary Results



# Preliminary Results



# Preliminary Results – Mean and VaR ($000)

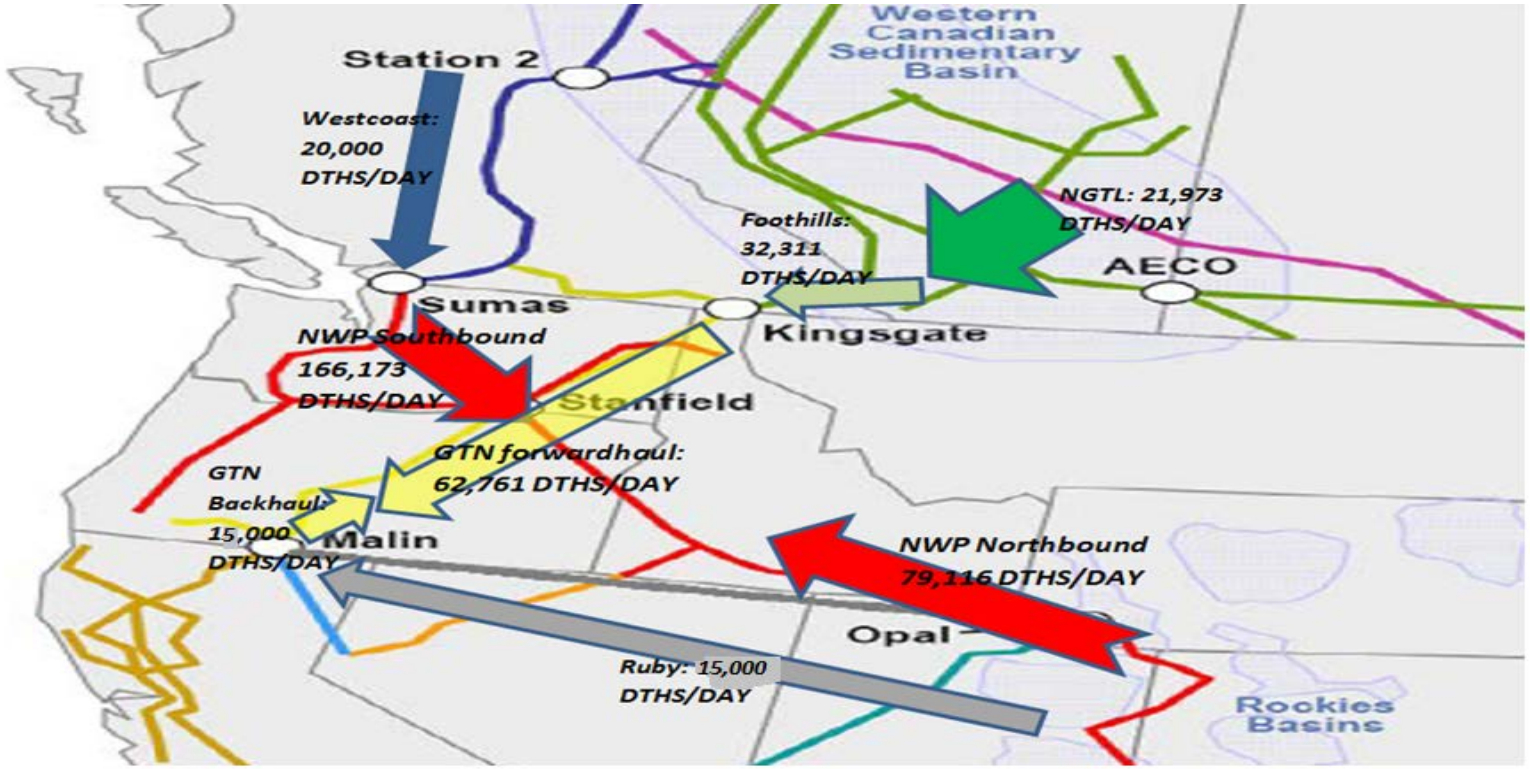
| Portfolio | Mean | VaR |
|---|---|---|
| 2018 IRP OPTIMUM DETERMINISTIC PORTFOLIO | 4,767,939 | 6,083,974 |
| 2018 IRP ONLY GTN WITH STORAGE PORTFOLIO | 4,778,447 | 6,083,974 |
| 2018 IRP ONLY GTN PORTFOLIO | 4,781,488 | 6,086,634 |
| 2018 IRP ONLY NWP WITH STORAGE PORTFOLIO | 5,073,169 | 6,474,956 |
| 2018 IRP ONLY NWP PORTFOLIO | 5,097,485 | 6,498,092 |
| 2018 IRP ONLY STORAGE PORTFOLIO | 5,173,884 | 6,810,359 |

# Next Steps

- Continued discussions of VaR limits with senior management
- Stress test candidate portfolio in Monte Carlo scenarios
- Stress test candidate portfolio in Monte Carlo sensitivities
- Selection of Preferred Portfolio

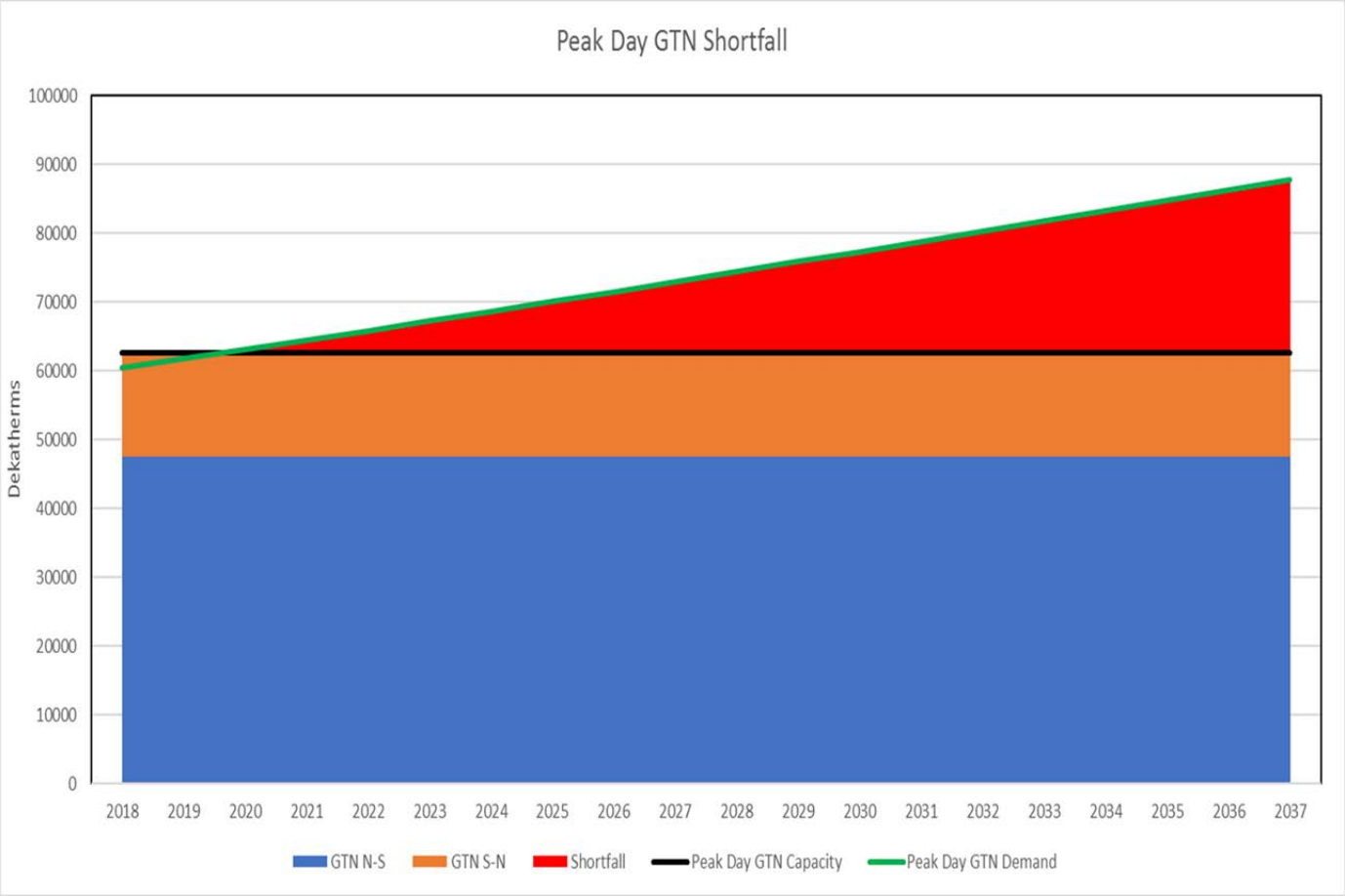
# Incremental GTN Capacity

# *Pipeline transport flow*



# Upstream Pipeline Capacity Update - GTN

- As of July 28 IRP modeling:
  - Beginning in 2020 Cascade is short approximately 400 dths day of GTN capacity.
  - By the end of the 20 year horizon the shortfall is approximately 31,000.



# *Upstream Pipeline Capacity Update - GTN*

- Cascade IRPs over at least the last 15 years have identified significant capacity shortfalls for Central Oregon in the 2020s.
- GTN has been significantly undersubscribed for years.
- Instead of picking up long-term, incremental GTN capacity, Cascade has relied on picking up capacity release on the day market if needed for peak day.
- Looks like will be changing around 2019 due to new projects.
- Many signs point to a probability that GTN will be fully contracted by 2020
  - NGTL and Foothills recently held an open season to eliminate the mismatch of capacity in the NGTL-Foothills-GTN pathway.
  - Most of the open season was acquired by Canadian producers at AECO.
  - This summer, Seven Generations Energy (7G) contracted delivery capacity to the Pacific Northwest and northern California on TransCanada's Foothills and GTN pipelines starting with modest volumes in November 2019, ramping up to about 90000 dths/day in 2020.
  - If a methanol plant or Coos Bay happens they will likely acquire GTN capacity, making GTN fully-subscribed.
  - Of the 400,000 dths/day of incremental Kingsgate capacity, only 80000 remains or that other utilities' IRPs also indicate a desire for the remaining capacity.

# *Upstream Pipeline Capacity Update – Incremental GTN capacity*

# *Upstream Pipeline Capacity Update – Options*

- PGA demand costs will increase by approx. 2% (changing from $0.164 per therm to $0.167 per therm)

- Bear in mind under GTN's tariff they are only obligated to accept this offer only six months prior to a effective date
- Anyone requesting firm capacity for one year or more at recourse rates with an effective date six months from today would be awarded the capacity

# *Upstream Pipeline Capacity Update – Decision*

- Conservation impacts will affect load
- Amount of shortfall may notably change
- GTN might not become fully subscribed
- Market conditions may change dramatically over 22 years



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# 2018 IRP Timeline

| Date | Process Element | Location (Subject to change) |
|---|---|---|
| Friday, September 22, 2017 | Tentative - Price Forecast Workshop | Skype |
| Wednesday, October 4, 2017 | CAG Q4 Meeting | |
| Wednesday, October 11, 2017 | TAG 4 slides distributed to stakeholders | |
| **Thursday, October 19, 2017** | **TAG 4: Final Integration Results, finalization of plan components** | **OPUC Offices Salem OR 9am-12pm** |
| Monday, November 6, 2017 | Draft of 2018 IRP distributed | |
| Tuesday, December 5, 2017 | Comments due on draft from all stakeholders | |
| Wednesday, December 20, 2017 | TAG 5, if needed | WebEx Only |
| Monday, January 22, 2018 | Executive Summary Presentation to Senior Management | Kennewick, WebEx |
| Thursday, January 25, 2018 | IRP filing in Oregon | |



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# NEXT STEPS?



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# Cascade Natural Gas Corporation

## Integrated Resource Plan
## Technical Advisory Group Meeting #3

Thursday, Sept. 7th, 2017

Portland International Airport

Portland, OR

Cascade Natural Gas Corporation
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**3rd External TAG Meeting - OPUC**

09/07/2017, 9:00 AM to 12:00 PM

**Presenters:** Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Ashton Davis, Allison Spector, Spencer Moersfelder, & Andrew Hudson

**In attendance**: Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Ashton Davis, Bruce Folsom, Spencer Moersfelder, Andrew Hudson, Allison Spector, Bob Morman, Lisa Gorsuch & Mike Parvinen.

**Called in**: Garret Senger, Chris Robbins, Eric Wood, Carolyn Stone, Jennifer Gross, Jeremy Ogden, & Kary Burin.

**Minutes by**: Carolyn P Stone

Slide #'s 3,4 & 5 - Brian stated anything shown on the IRP Action plan update in white is not updated, but yellow highlighted items have been updated.

Slide #6 – Ashton went over the EPA document released on 2016 environmental impact results. The EPA concluded the results to be inconclusive. There are many data gaps causing uncertainty. Mark said there would be a presentation on fracking during TAG 4.

*Presentation #3 – Andrew Hudson*
**DSM Presentation**

Allison that Spencer and Andy have done a great job developing this analysis. The level of coordination is appreciated. They have been reviewing progress based on the last planning cycle.

Allison stated that since their OPUC order guidance they have addressed all points and integrated them.

Andy went through today's Agenda. Lisa interjected that the Commission is in a "transitional period" and they are trying to make this transition "seamless". The new commissioner wanted to participate today but will be reaching out later. Anyone having a hard time getting a hold of commissioner should contact Lisa.

Slide #12 – About - Energy Trust of Oregon

- Andy explained that the "Energy Trust of Oregon" is an independent, non-profit organization delivering affordable energy & renewable power to 1.5 million customers of PGE, Pacific Power, NWN & CNG.

Slide #13 – Resource Assessment Overview

- A Resource Assessment (RA) is an estimate of the available of cost-effective efficiency able to be acquired in CNG service territory.
- Andy explained that, they are using a modeling tool that is "bottom up". It uses residential, industrial, commercial & agricultural inputs. It assesses buildings in the cascade service territory to determine equipment savings and measure opportunities.

**Question**: Is a "stand alone" Natural Gas (NG) company harder to get conservation information for than an electric company? Can you touch on the idiosyncrasies?
**Answer**: Andy states they have "outreach managers" in the CNG territory that connect with customers and organizations and contractors dedicated to those regions. There are locals "on the ground" that help, so it isn't as big of a challenge.

**Question**: Is it harder to reach "outside" customers?
**Answer**: Andy said he has not heard that it is more difficult to acquire gas savings for these customers. There is instrumental equipment in buildings. Alison added that, in earlier years, there were some challenges in terms of being outside of Portland. The ETO has adapted to approaches to outside customers and ramped up outreach! These issues are being addressed. Andy added, that they have built relationships over time and adapted!

Slide #14 – Background – How is the RA used?

- Andy stated that they take the results of the model and give it to Program Planning, then they help set the deployment of a supply curve. The model does not say what annual savings are acquired by programs nor does it set incentive levels.

Slide #15 – Resource Assessment Inputs

- Andy went over the Resource Assessment inputs:
    1. Service territory data (from CNG)
    2. Demographics - what % of customers have gas and gas hot water, # of homes with insulation & energy use for residential & commercial.
    3. Measurement assumptions

- Andy said that this was the 2nd time the model has been used. It is a more direct approach. They use "building stock assessments" received from the Northwest Energy Efficiency Alliance (NEEA) as a primary resource. Their tool is a "bottom up" measure based model. It looks at savings, cost and measure life. Load profiles used and associated savings value related to those…. tells what the savings will be. The model takes incremental savings and tests for cost effectiveness. It doesn't force us to "guess what the customer will do"! We look at technology that is in "research stage" also.
- Andy also said every 3 years the model is "rescreened" to make sure cost-effectiveness and savings are still the same.

Slide #16 – Outputs

- Andy said this shows the technical potential and all potential savings
- The cost-effective potential – remaining potential after screen applied!
- Hood River offered free services came out 85 - 95% used as #'s for being achievable

**Results**

Slide #18 – Cumulative Potential by Type and Year

- This shows the potential by type technical, achievable & cost-effective achievable

Slide#19- Cumulative Emerging Technology Contribution

- 5% of total 20M therms

Slide #20 – Cumulative potential by sector & type (in CNG territory)

- Driven by residential & commercial
- Cost effective override affected residential by 2/3rds when using the override.

Slide #21 – Cumulative Cost Effective Potential End Use

- Coming from water heating and heating savings

- Water heating includes water heating equipment from all 3 sectors, shower heads, aerators, etc.
- Heating load both commercial and residential controls, HVAC is industrial HVAC.
- Behavioral = Commercial strategic energy management, Smart Home Energy devices!

Slide #22 – Top-20 Measures – Cost Effective Cumulative Potential
- This shows the types of measures and their potential savings in therms
- Quite a few from residential paths = new homes!

Discussion of OPUC Exception:
- Allows builders to exceed code – efficient water heaters
- Forces pathways NOT cost effective in also.
- In the end, the savings projection for new home construction is a lost opportunity. Lots of potential shown here but we only get 30%, this is because the homes are built before we can intervene.

**Question**: What % of the market does your program get to?
**Answer**: The % varies, Bend area is growing rapidly!

Slide #23 & 24 – Peak-Day Savings/Peak-Day Savings by Load Profile
- What does energy efficiency do to eliminate the need for Peak Day reserves?

**Question**: Is this involving the 2014-2016 timeframe?
**Answer**: Yes!

- Peak Factor = the Amount of load expense on Peak Day/Annual Load
- 1 ÷ 365 = .3% savings, happens only on Peak Day
- Some of this data derived from electric profiles – DHW (Electric Resistance Hot Water Heater)
- Residential/Commercial info represents an accurate than electric load profiles from the Power Council.
- Factors X savings correspond with different Load Factors
- For residential/commercial, space heaters drive the heat on cold days!

Slide #25– Market Transformation Savings Forecasts
- Collaborative work with NEEA to drive advancement of codes and help builders comply with new code.
- Savings come from adoption of code!
- 2 years of savings imbedded
- New buildings have not claimed those savings in the past but will incorporate in the future about 5,500 therms, reflected in savings projections ahead….

Slide #26 – Cost-Effectiveness Override in Model – MM Therms
- Andy said they use CNG avoided costs in programs. They use a “blended” avoided cost to reduce cost & standard incentive rates. This “blended avoided cost” might be different than the utilities’ avoided cost calculation.
- When there is an exception, Andy said, to cost-effectiveness from OPUC we expect to make for purposes of the 20-year forecast, they keep measures in, expecting them to be cost-effective in the future.
- This override is applied when measures are found not cost-effective offered through programs.
- Andy stated that they’ve put together a method to forecast savings by:
  1. Changing performance
  2. Using a risk factor score card to hedge uncertainty

**Question**: Is the model “off the shelf” or something you developed?

**Answer**: This model was built by a "Navigant" associate. There are a number of sources used in the model, federal DOE, NEEA…etc.

**Question**: Are new "pilot programs" factored in?
**Answer**: Andy explained that it isn't considered it if it goes through a pilot program, as the cost is too high.

Slide #27 – Cost-Effective (CE) Override – MM Therms
- Shows difference when CE override is applied by sector!
- In residential section, this is about 30% of total $20m of Cost-Effectiveness savings.

Slide #28 – 2015 Supply Curve – 20-year Technical Potential
- Levelized cost of therms
- Cost effective limit just under 7m therms
- Cost effective override not used in 2015!

Slide #29 – New 2018 Supply Curve
- 20m cost-effective limit, $1.88 levelized cost
- Common metric used but not how the model identifies what is cost-effective!

**Question**: How are programs providing "negative" level of cost-effectiveness?
**Answer**: This is because of measures with non-energy benefits. This winds up giving a negative cost!

Slide #30 – TRC Score
- At what score can you get cost effectiveness?

**2018 IRP Projected Savings**

Slide #32 – Types of Potential
- Identifies potential, technical, achievable, cost-effective & program savings
- How effective are programs? Retrofit measures… can happen any time
- Replacement – new homes lost opportunities as stated previously. We have a short window of time to intervene, then gone! We get 30 -35% of those savings.
-

**Question**: Any known or guesses on why 30-35% of new construction savings obtained?
**Answer**: It's generally due to "budget builders". It is hard to get them to spend $ on efficiency! Builders meet code and that's it. We make lots of effort to connect with these builders and have had some success….30-35% improvement over the last few years. If we intervene, this drives savings!

Slide #33 – 20-Year Potential by Type
- In terms of trends of programs, the importance is the success and ability to get programs. You can have programs but customers still must make the investment on their own!

Slide #34 – 2015 vs 2018 IRP Savings/Projected & Actuals
- Compares 2018 IRP to 2015 IRP totals
- We have doubled the savings from 2015!
- Using the Navigant model is more efficient and projects closer to reality!

**Question**: Is this an "aggressive" scenario?
**Answer**: Yes, in some ways. This is how energy trust operates. We go after more and more each year. It is aggressive but realistic!

Slide #35 – Annual Projected Savings as % of CNG's Annual and Cumulative Load Forecast

- 8% of annual load in first 1 to 10 years!
- Cumulative will be over 10% in a 20-year period!

**Question**: Are you double counting Smart Automation savings?
**Answer:** Those are primarily residential. Smart thermostats save heating, smart home automation – we're not familiar with these measures. It is a challenge annually reviewing measures and the assumptions going into them! The average savings and baselines are at times a concern. Concerns are addressed through continued evaluation and building analysis!

**Question**: How are the evaluations carried out?
**Answer**: We contract out studies, but we do also have an internal team!

**Question**: What is not technically "feasible" mean?
**Answer**: Like a boiler measure – the building might be able to have a boiler but not able to install the boiler due to lack of infrastructure (ductwork, etc.).

**Question**: What are non-energy benefits?
**Answer**: Like shower heads and aerators for example; they restrict water and the customer saves energy and $ value.

*Presentation #4 – Allison Spector*
**Policies & Methodologies Informing DSM Outcome**

Slide #37 & 38 – Externalities

- Anything outside the control of the company raising or lowering DSM potential!
- Includes code changes to DSM
- Incorporated into Oregon DSM projections
- Carbon Policy Adder – price forecast x 10%

Slide #39 – Capacity Contribution & Value in Energy Efficiency

- We are working on this externality.
- Analysis at the citygate level.
- We are starting to look at NWN's approach and we think it will benefit us!

Slide #40 – Policies in our Service Territory

- Can impact cost effectiveness of program!

1. National Standard Practice Manual
    - Could be impacts from this.
    - They may use "custom" variables in this manual…?
    - It takes base components based on regulatory goals.
    - We are aware of it and are keeping an eye on it in WA and OR.
    - If adapted, could impact how cost effectiveness is looked at in Oregon.

2. Clean Power Plan
    - Executive order evaluated!

Slide #41 – Oregon

1. Renewable goals – greater focus on renewable energy!

2. Increased focus in Oregon on migrating gas to electric, using 1st, renewable energy and 2nd phase gas to electric.
3. Moratorium on fracturing.
   - This was passed thru the House but not the Senate, so not a law yet, but we are tracking this!

Slide #42 – Washington
1. Carbon Cap bills – None have passed yet, but we are watching closely and it does have traction!
2. Decarbonization – Involves emissions reductions
3. Clean Air Rule – We are evaluating options to comply with this rule

**Question**: Bruce asked if avoided costs are included?
**Answer**: Allison said a presentation of avoided costs will be shown in a few slides. We generally follow the lead of the OPUC. We are primarily a taker of inputs from utilities.

- Mark stated that the CNG forecast contains some avoided costs.

**Question**: What information do you have on Avoided Costs from the Commission?
**Answer**: Next week we will have some information. Could be a recommendation made to parties to have a collaborative effort. Andy stated that Avoided Costs were put in after Alison's talk on policy because there are implications.

Slide #58 - OR annual Avoided Costs used in Resource Assessment
1. We do include Carbon Policy adders…and
2. Risk reduction value
3. Using a capacity value method driven by peak savings. Winter is 0 now, in workshops this fall it will be decided.

*Starting year going out, each year savings run through Avoided Costs.

Slide #59- NPV Avoided Cost/first-year Therm for selected measures
1. Lifetime of measure (has significant impact on value of savings!
2. Load profile (time of year of savings occurs)

**Resource Assessment Modeling Tool and Updates**

Slide #44 – Model Assumptions

Slide #45- Cost-Effectiveness Screen
- TRC Cost test = TRC ratio = NPV of benefits/TRC

Slide #46 – Updates to Cost-Effectiveness
- OPUC Exceptions (Docket 1622)
- Non- Cost-Effective Gas measures
  - Weatherization
  - Gas Tank Water heaters
  - Gas Washing machine
  - New homes

Slide #47 – Measure Updates
- Updated measures across all sectors!
- Adding new measures

Slide #48 – Define Measures Incrementally
- Don't count total savings of each technology!

Slide #51 – ET Risk Factor Scorecard

1. 25% market risk
2. 25% technical risk (what stage is the program in, is it a “prototype”, has it been tested?
3. 50% weight to source of data, how good is it on this program?
4. If low risk technology then 80% factor.

Slide #54 – 2018 Programs, all Cost-Effective efficiency

- Residential, Commercial & Industrial/Agricultural programs

Slide #55 – Cascade Natural Gas & Energy Trust

- Serving Oregon since 2006!
- All customers except the largest NW transport customers

Slide #56, – Historical Performance Against IRP Target

- Net savings here, NOT gross!
- Risk of treating DSM as a resource.
- This shows our net or exceeded goals.
- It is challenging to forecast large project savings results. Large projects swing the results!
- Our planning team has been working on this.

Slide #34 – 2015 vs 2018 IRP Savings

- This gives confidence in looking at past projects vs current!

**Avoided Costs**

Slide #60 – Program Funding (Alison Spector)

- Alison mentioned schedule 31, Public Purpose Funding adjusts over time!

Slide #62 – Revision to Schedule 31

- A revision will be effective 12/1/2016
- Charge increase to 4.87%

**Oregon Low Income Energy Conservation (OLIEC) & Conservation Achievement Tariff (CAT) Programs**

Slide #64 – Action Partners Serving Central & Eastern Oregon

- Action partners provide weatherization, etc. for low income!

Slide #65 – OLIEC

- Covers portion of tariff approved measures, ceiling, floor, wall, ducts, etc.

Slide #66 – Conservation Achievement Tariff

- Established 12/1/2016
- .0625% of gross revenues from electric side & natural gas.
- CAP is the same as for NWN - $10K

Slide #67 – Achievements & Projections

- 50 homes served per year!
- 100 homes annually if funded at full capacity!

**Other Items**

Slide #69 – Future Action Plan Items (DSM)

- Geographically targeted DSM, coordinate with ETO

**Question**: Can you expand on execution of pilot programs?
**Answer**: Yes, we have done the following:

1. Meetings with ETO Staff
2. Discussed interest in geographically targeted DSM
3. Coordinated in order to have a plan!
4. In planning stages…. find it to be intriguing…. need to look at the constraints on the system!

**Question**: Mark asked Lisa if the action plan items are "quantifiable" and if they are going on the right path?
**Answer**: Lisa said it looks good to her, but she said she cannot speak for others. She said - yes definitely in the right direction. The planning process is an evolution. This changes what we are looking for in the IRP and we need to keep track of changes. She said she knows this is challenging but really appreciates CNG's efforts! Lisa continued that the planning process is a collaborative effort including all stakeholders. She said to remember, this is worked on together and is not an adversarial process! She appreciates all the hard work. She said if she cannot definitively answer questions, she will work hard toward that. She knows we've been working hard!

*Presentation #5 – Ashton Davis & Brian Robertson*
**SENDOUT Modeling Update**

Slide #73 – SENDOUT Model (Ashton Davis)

- The SENDOUT model is used for resource optimization
- Portfolios are developed and analyzed
- SENDOUT is very powerful & complex!

Slide #74 – SENDOUT (cont'd)

- SENDOUT uses linear programming
- SENDOUT is helpful information but not a "perfect" solution – used as a guide
- SENDOUT has perfect knowledge

Slide #76 & 77 – Supply Resource Optimization Process (Brian Robertson)

- At Tag #2, we presented a resource optimization using a Monte Carlo run creating 200 decisions – this was too many and not informative!
- There are 8 steps we use:
  1. See where we are short
  2. Introduce resources to solve
  3. Develop portfolio, run stochastic and weather via Monte Carlo simulation
  4. Rank Portfolios
  5. Change Variables – run Monte Carlo and see how model reacts
  6. Analyze preferred portfolio
  7. Sensitivity analysis
  8. Test other portfolios (EX: NWP only, etc.), select optimal and re-evaluate
- After this, is there any unserved demand?

**Preliminary Results**

Slide #79 – 84 - Results

1. Storage – How SENDOUT informs but does NOT decide!
    - What is the optimal storage? SENDOUT could choose optimal solution (with a mean cost) but unquantifiable factors, humans MUST intervene, not practical!
    - Certain solves may lead to more unserved demand.
    - We assign "penalties" to SENDOUT to prevent certain solves.

Slide #79 – Optimal Deterministic Portfolio
- All Variables in the "Optimal Portfolio"
- Resource Mix – Sendout chooses what resources it wants, we lock that in and run it stochastically.
- VaR – Devin explained that the resource analysts went to a seminar in San Francisco on and learned about the extrinsic value of what your portfolio can do!
- This is if everything works as planned – but have all events been included?
- The model does not do a "standard deviation"
- Peak day analysis is good to use but Monte Carlo doesn't show "peak day". In 95% of the cases you can use this value (95$^{th}$ percentile).
- Shows the "mean" of costs.

Slide #81 – Total System Cost – only NWP
- Value is higher here
- Doesn't have storage options!

Slide #82 – Total System Cost – only GTN w/ Incremental Storage
- Almost optimal portfolio!
- Mean/VAR lower with NWP options

Slide #84 – Total System Cost – Only Storage
- This is NOT a solve!

Slide #85 – Mean & VaR
- Ranking Portfolios here
- All Portfolios under same weather curves
- Mark said that Tag #2 meetings' portfolios will be recapped. This shows the diversity of our system!
- Lisa mentioned that she needs to "catch up"!
- Devin McGreal said they are excited about this process. The capture of extrinsic elements is important!

*Presentation #6 – Devin McGreal*
**Next Steps**

Slide #86 – Next Steps
1. Get together with senior management to determine VaR limit
2. Test portfolios in Monte Carlo
3. Stress test sensitivities – price (high or low), carbon taxes, etc.
4. Select the preferred portfolio (tested against the VaR limit)

*Presentation # – Devin McGreal & Mark Sellers-Vaughn*
**Incremental GTN Capacity**

Slide #88 – Pipeline Transport Flow
- Devin went over the system transport flow, noting our diverse system
- Devin explained that SENDOUT showed a very popular solution – need for GTN capacity!
- Mark mentioned the "direct connect" we have

Slide #89 – Upstream Pipeline Capacity Update – GTN

- Mark went over this slide that shows IRP modeling as of July 28 that CNG is short by 400 Dth's per day of GTN capacity
- By the end of year 20 the shortfall is 31,000

Slide #90 – Upstream Pipeline Capacity Update – GTN

- The IRP goes over 15 years into 2020
- GTN has been undersubscribed for years, CNG has been picking up daily gas to make up for peak day
- GTN could be highly subscribed around year 2019
- GTN planning on filing with FERC for firm hourly service. CNG should lock in capacity now or it may not be available later!
- Mark explained that CNG has been negotiating with GTN for:
    - Path - Kingsgate to Malin
    - 20K per day
    - 22 years (to 10/31/2039)
    - Starting 11/1/2017

Slide #92 – Options

1. Take offer for 2017
2. Take 20K in 2018 (GTN tariff says they are only obligated to take offers 6 months prior to effective date)
3. Take lower amount of 10K for 15 years and lose discount offered
4. Do nothing and continue to buy daily for Peak

Slide #93 – Decision

- Mark explained that the GSOC agreed to 10K for 15 years effective 12/1/2017.
- This satisfies peak day needs to 2028/2029
- Mark went on to state that previously this shortfall has been identified and he notes we are now taking steps. It was time to do something!
- He also stated that NWP as offered capacity in the past but been very patient with us.
- Lisa stated that this is like "insurance" on an unknown hedge risk.

**2018 IRP Timeline**

Slide #94 – Timeline

- Brian went over the timeline, stating filing will happen January 25, 2018.

**Next Steps**

Mark stated he really appreciated everyone coming today!

# Cascade Natural Gas Corporation

## 2018 Integrated Resource Plan
## Technical Advisory Group Meeting #4

Thursday, Oct. 19th, 2017
Oregon Public Utility Commission
Offices
Salem, OR

Cascade Natural Gas Corporation
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# Agenda

- **Introductions**
- **IRP Action Plan Update**
- **Fracking Presentation (NWIGU)**
- **SENDOUT® Optimization Modeling**
- **Alternative Resources**
- **Candidate Portfolios**
- **Monte Carlo Simulations**
- **Results**
- **Upcoming Schedule**
- **Questions**



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# IRP Action Plan Update

| 2014 IRP Action Item | Update |
|---|---|
| 1. Cascade will improve its demand forecast by developing a report to track the issuance of corrected bills and reclassifying therms from corrected bills to the month those therms were used. In its next IRP, Cascade will use its new Statistical Analysis Software (SAS) to test non-linear weather effects on natural gas, to perform analysis on potential serial correlation problems, and to create a time series autoregressive integrated moving average (ARIMA) model for customer forecasting. | On June 26th Cascade's Gas Supply Oversight Committee (GSOC) met and was provided an update on the 2017 portfolio procurement plan, which included recent market intelligence and updated pricing. In TAG 3 the company will discuss its supplies of varying lengths and pricing alternatives. |
| 2. Cascade will continue to monitor outside determinants of natural gas usage, such as legislative building code changes and electrical "Direct Use" campaigns as they are determined to significantly affect the Company's forecast. | Since the 2014 Action Plan, Cascade has monitored the following legislation, campaigns, and other external actions with the potential to influence natural gas use in the States of Washington and Oregon: - National standard practice manual, Portland renewable energy goals, gas to electric fuel switching, HB-2711 moratorium on hydraulic fracturing for oil and gas exploration and production, several Washington state bills on Carbon taxes, deep decarbonization, and the clean air rule. |
| 3. Cascade will continue to monitor the effectiveness of the Oregon Public Purpose Fund to ensure the funds are adequate to capture significant portions of achievable therm savings in Oregon. | Since the 2014 IRP, Cascade has made two filings to increase its public purpose charge to ensure funding would be sufficient to acquire the therm savings target established in the IRP as a least cost resource: Advice No. O15-12-01 on December 11th, 2015 to increase its public purpose charge from 1.85% to 3.7% (reduced to 3.4% before Commission approval) and Advice No. O16-10-01 on October 31st, 2016, in which the Company asked to increase the Public Purpose Charge from 3.4% to 4.87%. |
| 4. The company will continue to follow and analyze the impacts of the Western Climate Initiative and proposed carbon legislation at both the state and federal level as they pertain to natural gas conservation, as well as other such acts that may arise from these efforts. The company will continue to monitor the timing and the costs associated with carbon legislation and analyze the impacts on the company's overall portfolio costs. As specific carbon legislation is passed, the company will update its avoided cost calculations, conservation potential and make modifications to its DSM incentive programs as necessary. | The Company has continued to monitor the Western Climate Initiative and proposed carbon legislation since the 2014 Action Plan. While no significant action has been taken on the WCI with impacts to the Company, the Company is actively following the current legislation and is monitoring the potential impacts to portfolio costs. |

# IRP Action Plan Update Cont'd

| 2014 IRP Action Item | Update |
|---|---|
| 5. The company will continue to monitor the cost effectiveness of existing conservation measures and emerging technologies to ensure that the current mix of measures included in the Washington Conservation program is appropriate. Areas for further analysis include the impacts associated with modifications to building codes along with the cost effectiveness of newer technologies such as the next generation of high efficiency water heaters (.70 EF) and high-efficiency hybrid heat pumps. The applicability of these measures within Cascade's service territory will be analyzed and the company's Conservation Incentive Program will be modified as necessary. | Cascade continually monitors the region and natural gas industry on currently available technology advancements as part of our Washington incentive programs. We reevaluate the portfolio cost-effectiveness paired with current technology and update install costs to maintain viability and as robust of a program as feasible. The Company is also engaged with the Northwest Energy Efficiency Alliance market transformation collaborative in coordination with other local utilities and the Energy Trust of Oregon as well as the Gas Technology Institute's emerging technology program to stay abreast of new technologies and opportunities for additions and changes to the Company's offerings.<br><br>The Company also maintains a Trade Ally network for our Washington programs and routinely connects with local contractors to gauge availability of product and costs associated with installs of rebate eligible equipment and measures. The landscape is constantly evolving and Cascade works with its partners and local agencies and builders (including home builder associations) to track building code updates as well as changes to industry standards. |
| 6. The Company will continue to monitor the potential reporting, administrative and potential financial impacts of long term resources as a result of concerns surrounding fracking. In particular we are awaiting the EPA to reveal the results of their current study in alleged water contamination found in Wyoming as a result of fracking activities. | Cascade has included a slide in TAG 3 to address this action item. Additionally, Cascade has extended an invitation to NWIGU to discuss this item. |

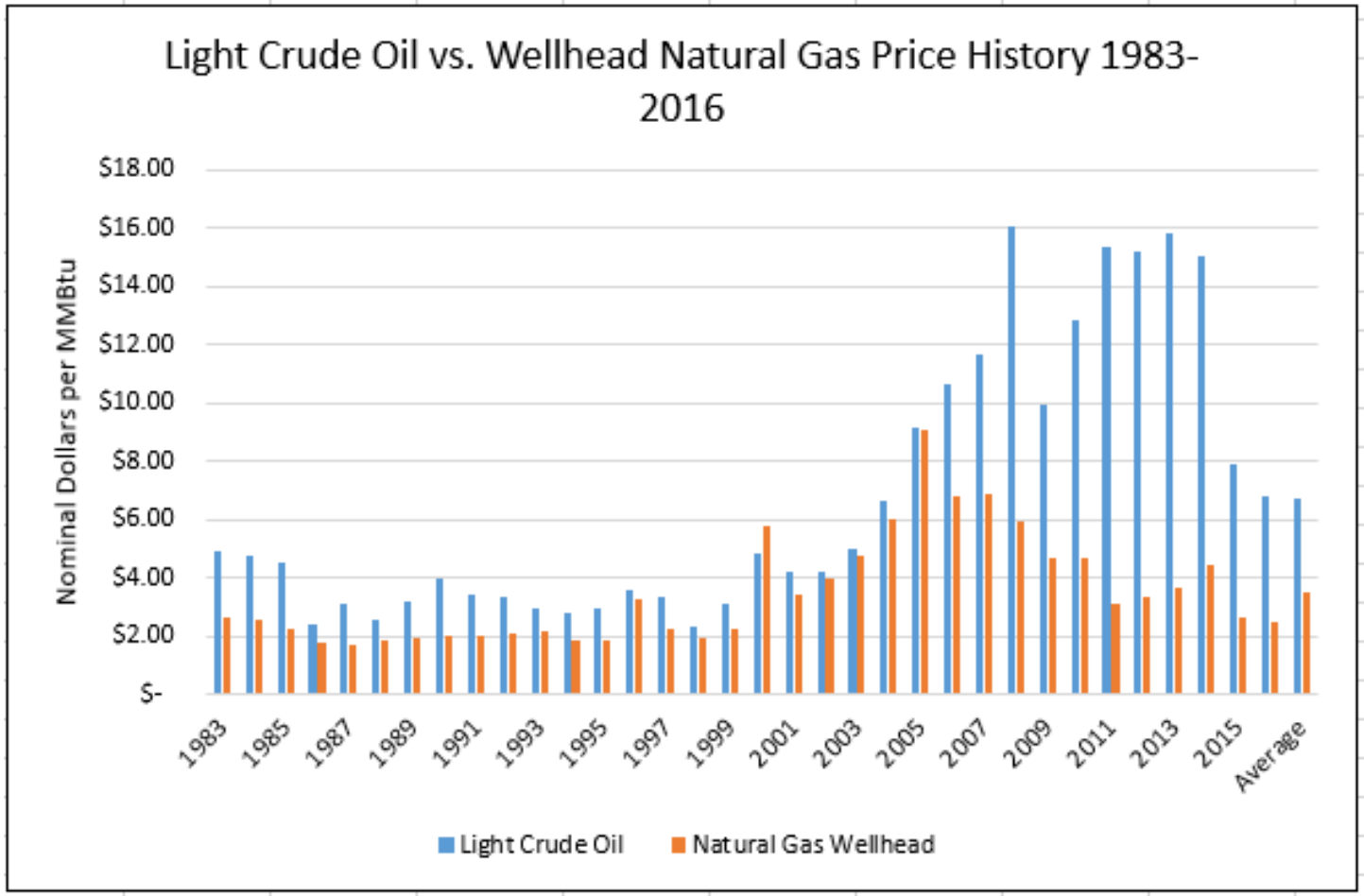
# IRP Action Plan Update Cont'd

| 2014 IRP Action Item | Update |
|---|---|
| 7. Cascade will continue to evaluate gas supply resources on an ongoing basis, including supplies of varying lengths (base, swing, peaking) and pricing alternatives. We will continue to analyze the uncertainties associated with supply and demand relationships. | Due to the robust nature of TAG 3, this will now be discussed in TAG 4. |
| 8. The Company will continue to monitor the proposed pipeline expansion projects to access more supplies out of the Rockies. As cost estimates change, the company will analyze those resources under consideration to determine if modifications to the preferred portfolio are necessary. | NWP has provided an updated Wenatchee lateral expansion which is currently being considered for modeling. |
| 9. As part of the Cascade's risk management policy and implementation, the Company will report on the status of the UM 1720 as well as related risk management policy enhancements to Cascade's risk management policy, at the first Purchased Gas Adjustment (PGA) quarterly meeting with OPUC Staff in early 2017. This docket is the Commission's Investigation into Long Term Hedging Policy. | Interested parties met on August 23rd, with the conclusion that an agreement could not be reached. The parties at this meeting (Staff, regional LDCs, NWIGU and CUB) will be requesting that this docket be closed. Cascade continues to work on enhancing its risk management policies in compliance with Washington's new hedging rules |
| 10. The Company will continue to explore options to incorporate biogas into its portfolio, as specific projects are identified in our service territory. Price, location and gas quality considerations of the biogas supply will be evaluated. | Cascade has filed a Biomethane Reciept Services (Schedule 800) in Oregon to estabilsh biogas injection terms, conditions and gas quality requirements. Cascade continues to work with possible biomethane producers and evaluate those projects for possible future core supplies. |
| 11. The Company will continue to monitor proposed LNG import facilities as information becomes available and will evaluate the various options that, if built, could result. Issues to monitor include specific cost, the availability of pipeline capacity and project timing. | Cascade is continuing to monitor the progress of import/export facilities such as the proposed Jordan Cove LNG terminal. The status of these projects are documented each month in Cascade's monthly internal market intelligence report |
| 12. The Company will continue to monitor the futures market for price trends and will evaluate the effectiveness of its risk management policy. Implementation of Dodd- Frank in the coming year raises potential administrative challenges from a reporting standpoint; additionally it is unknown how the costs associated with the use of clearinghouses might impact prices of natural gas in the future. | Cascade has updated its price forecast to modify its weights based on a backcast of the accuracy of its sources. At this time the price impacts of Dodd-Frank and hedging related dockets such as UM 1720 and UG-132019 continues to be unknown. The Company will continue to provide updates in coming TAG meetings. |

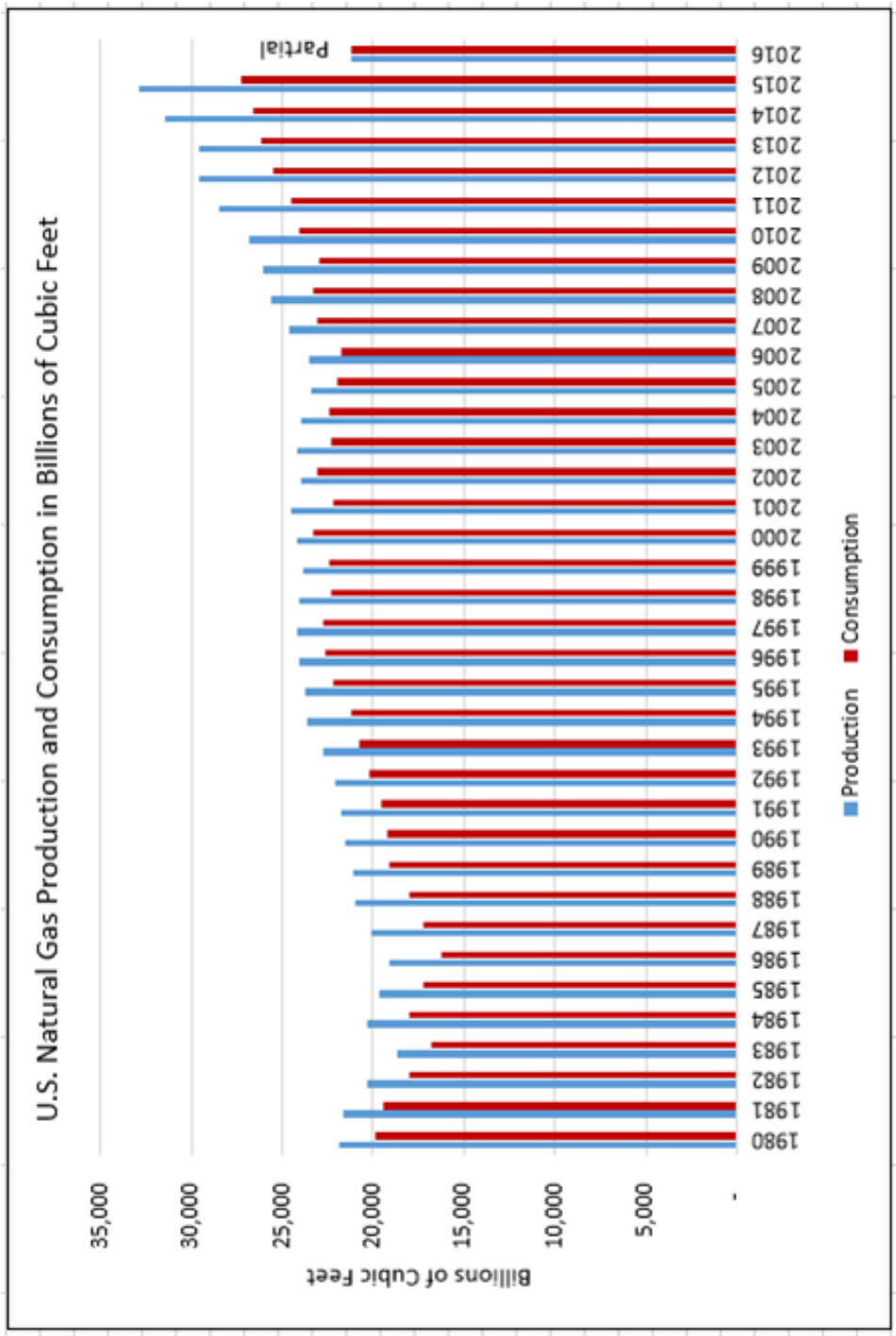
# Consumer and Environmental Benefits of Shale Revolution

Ed Finklea
Northwest Industrial Gas Users
Presentation to Cascade TAG
October 19, 2017

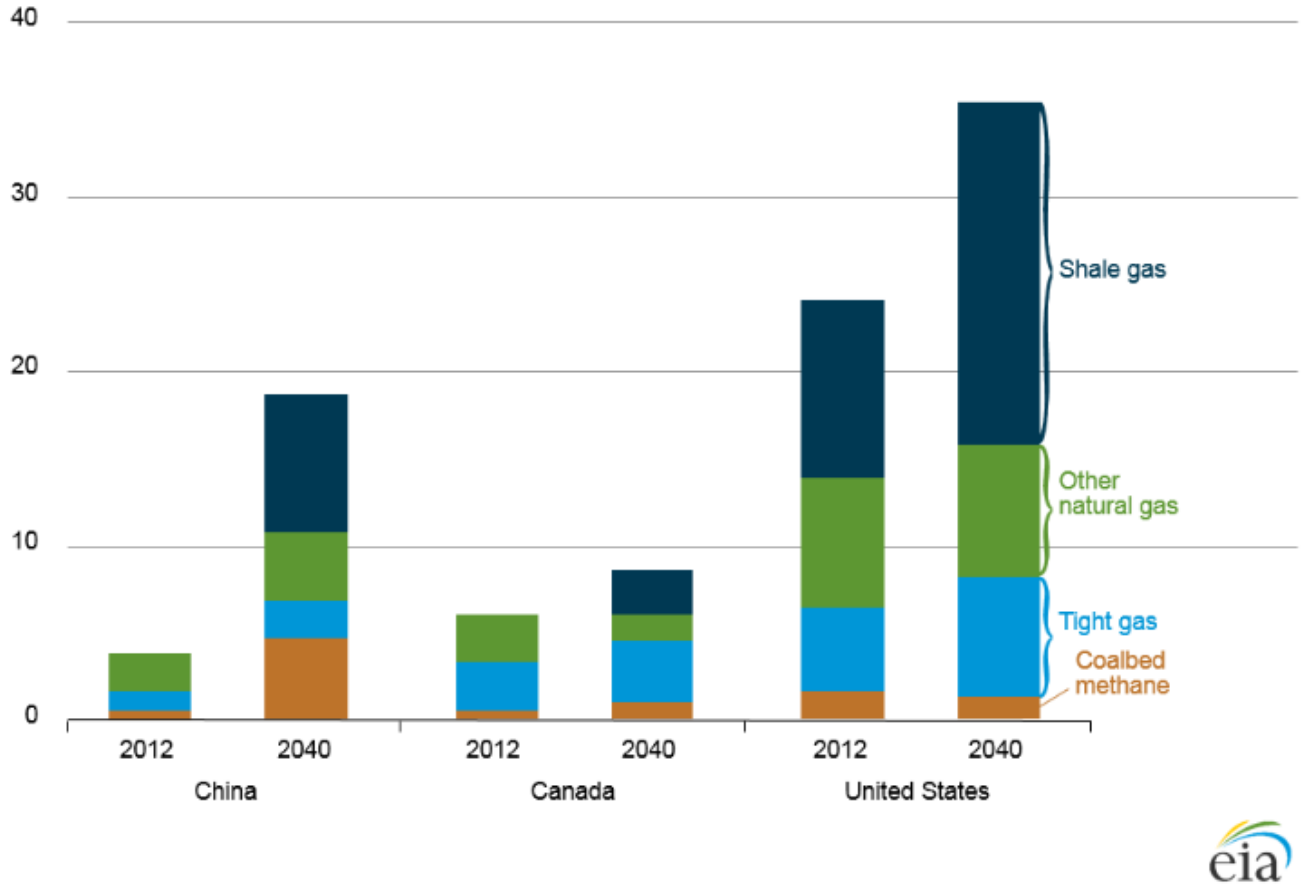
# Oil and Natural Gas Price History 1983-2016



# U.S. Natural Gas Production and Consumption in Billions of Cubic Feet 1980-2016



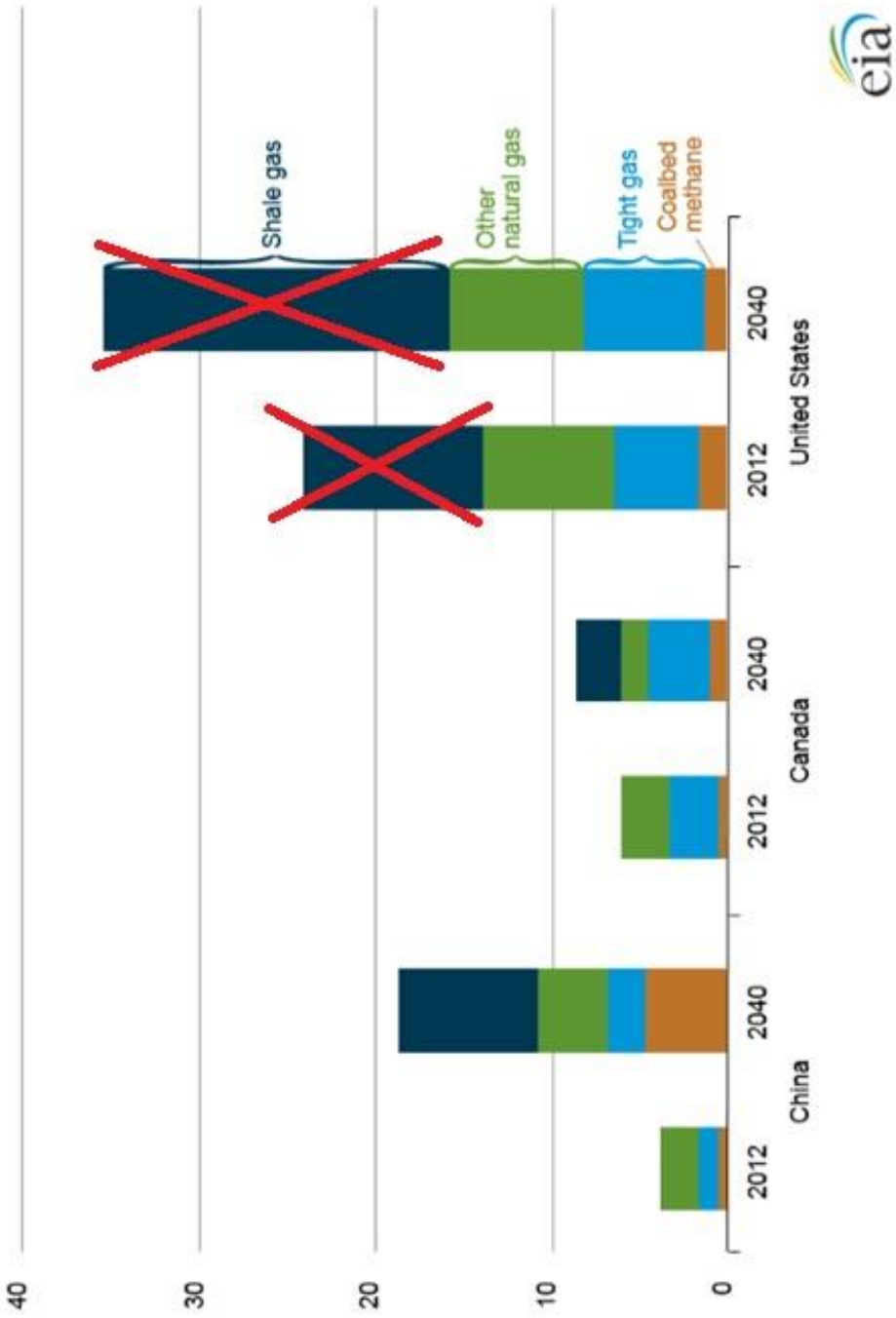
# Natural Gas Production Outlook in North America, 2012-2040 in Trillion Cubic Feet



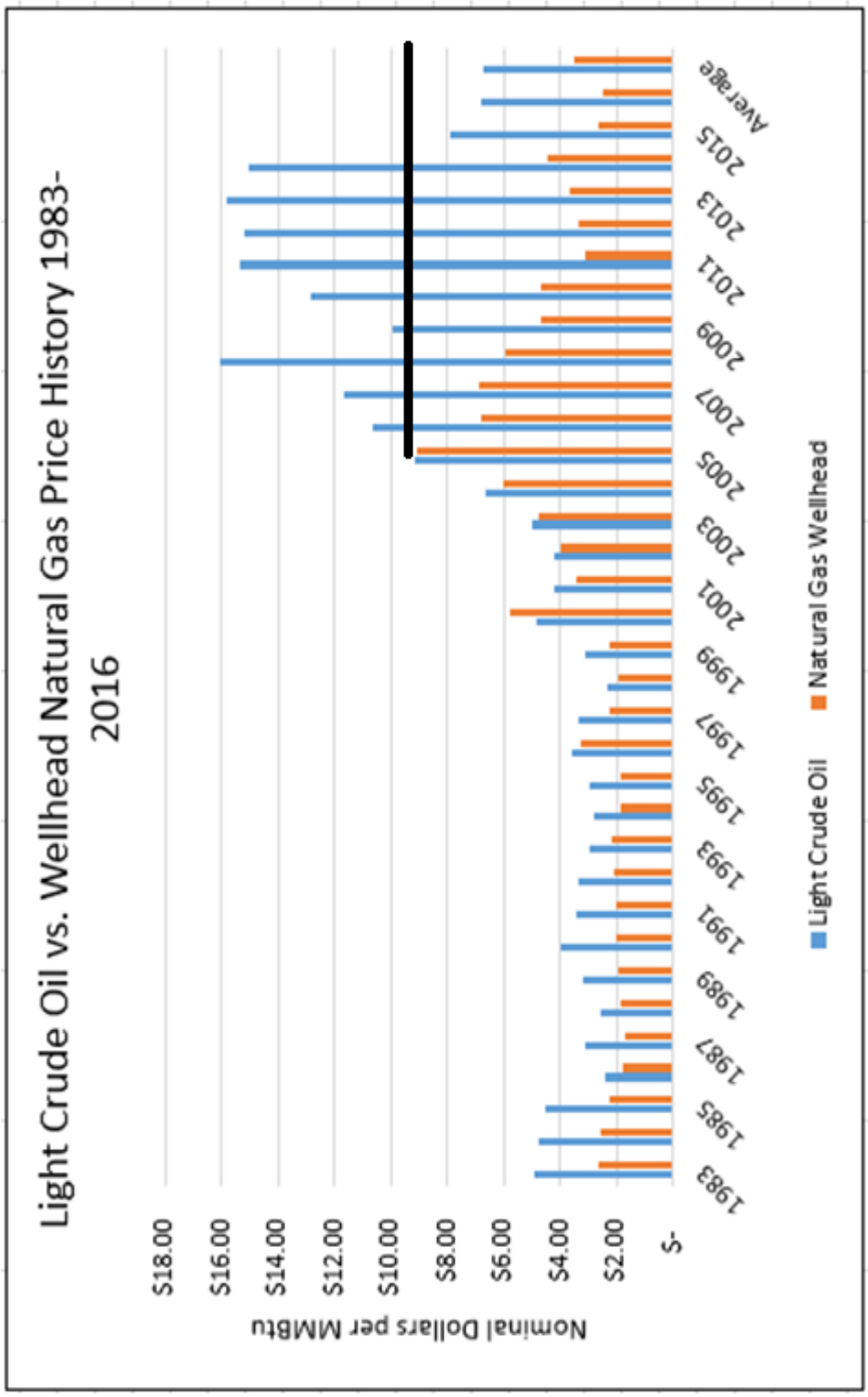
GOVERNOR CUOMO
IMAGINE THERE'S NO FRACKING...
YOKO & SEAN

11

# Eliminate Shale

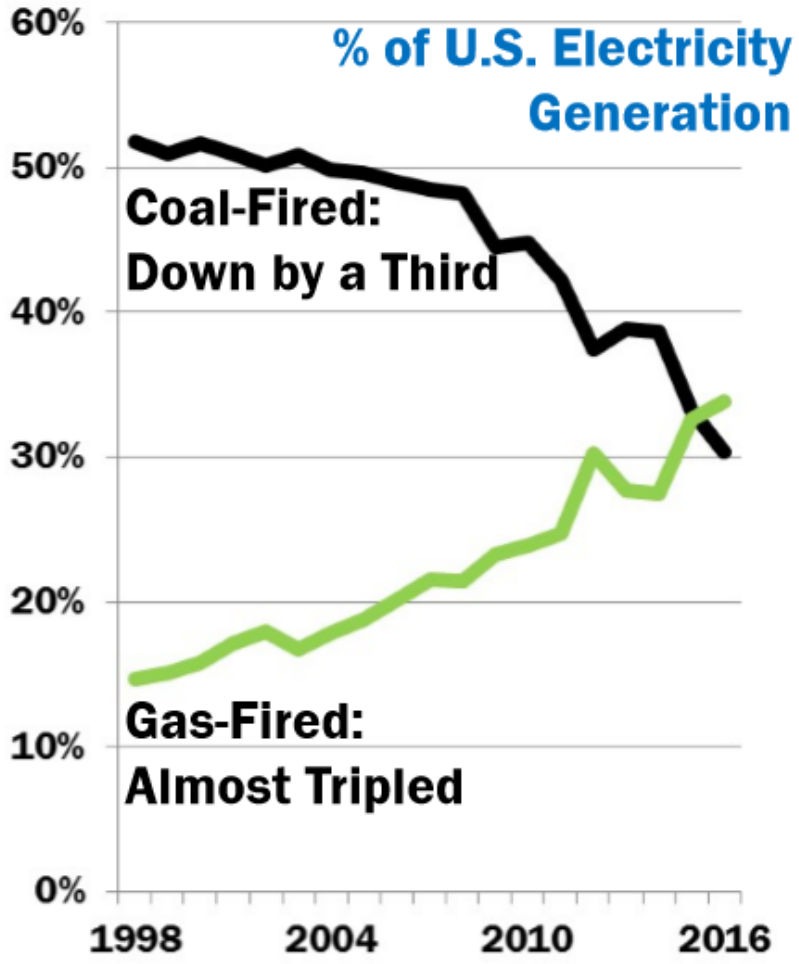


# Prices Stay Above $8.00



# No Fracking's Impact on Oregon Consumers

- Oregon Natural Gas Consumers Burned 239 million Dekatherm's in 2016.
- If no fracking raised natural gas prices by $5.00 per Dekatherm, staying at the pre fracking price of just above $8.00, Oregon consumers would have paid at least $1.1 billion more for natural gas in 2016.
- Every $1.00 per Dekaterm price reduction annually saves Oregon consumers $239 million on natural gas.
- US would have approximately a 10TCF shortfall to meet 2016 consumption levels without shale gas. How much LNG would US be importing? From where? Through what terminals? In Oregon, where would our natural gas be coming from? Would Canada be saving us at higher prices?




Source: Energy Information Administration

## Total Carbon Emissions Reduction, 2007—2014 (Million Metric Tons per Year)

| | |
|---|---|
| U.S.A | (590.8) |
| Spain | (118.1) |
| Italy | (109.6) |
| United Kingdom | (66.4) |
| Canada | (57.3) |
| Australia | (35.9) |
| France | (31.6) |
| Ukraine | (25.6) |
| Romania | (25.4) |
| Germany | (24.8) |

Source: Global Carbon Atlas

# SENDOUT® Optimization Modeling

# SENDOUT® Model

- Cascade utilizes SENDOUT® for resource optimization.
- This model permits the Company to develop and analyze a variety of resource portfolios to help determine the type, size, and timing of resources best matched to forecast requirements.
- SENDOUT® is very powerful and complex. It operates by combining a series of existing and potential demand side and supply side resources, and optimizes their utilization at the lowest net present cost over the entire planning period for a given demand forecast.

# SENDOUT® Model (Cont'd)

- SENDOUT® utilizes a linear programming approach.
- The model knows the exact load and price for every day of the planning period based on the analyst's input and can therefore minimize costs in a way that would not be possible in the real world.
- Therefore, it is important to recognize that linear programming analysis provides helpful but not perfect information to guide decisions.

# Modeling Transportation In SENDOUT® is a Balancing Act

- Start with a point in time look at each jurisdiction's resources
- Use the Nov17-Oct18 PGA portfolio
- Contracts –Receipt and Delivery Points
- We start with current transport contracts, using centralized receipts and approximately 66 delivery locations
- Rates - Current contractual, with CPI increase every 3 years
- Contractual vs. Operational
- Contractual can be overly restrictive
- Operational can be overly flexible
- Incorporating operational realities into our modeling can defer the need to acquire new resources.
- Gas Supply's job is to get gas from the supply basin to the pipeline citygate
- IRP focus is on the core
- Operations job is to take gas from the pipeline gate to our customers
- Operations focus is on the system, not just the core
- Limiting factor is receipt quantity –how much can you bring into the system?

# Modeling Challenges

- Supply needs to get gas to the citygate.
- Many of Cascade's transport agreements were entered into decades ago, based on demand projections at that point in time.
- Sum of receipt quantity and aggregated delivery quantity can help identify resource deficiency depending on how rights are allocated.
- The aggregated look can mask individual citygate issues for looped sections, and the disaggregated look can create deficiencies where they don't exist.
- In many cases operational capacity is greater than contracted.
- SENDOUT® has perfect knowledge.

# Supply Resource Optimization Process

- **Step 1: As-Is Analysis**
  - Run a deterministic optimization of existing resources with a three-day peak event to uncover timing and quantity of resource deficiencies.
- **Step 2: Introduce Additional Resources**
  - Include incremental supply, storage, and transportation to derive a deterministic optimal portfolio, additional portfolios.
- **Step 3: Stochastic Analysis of All Portfolios Under Existing Conditions**
  - Run all portfolios through a Monte Carlo weather simulation, using expected growth, supply and storage accessibility. Record the probability distributions of total system costs for each portfolio.
- **Step 4: Ranking of Portfolios**
  - Determine the preferred portfolio based on the mean and Value at Risk (VaR) of the total system cost and unserved demand of each portfolio. This resource mix will be the best combination of cost and risk for Cascade and its customers.

# Supply Resource Optimization Process (Cont'd)

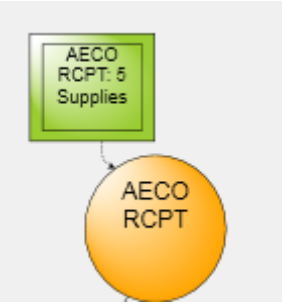
- **Step 5: Stochastic Analysis of Preferred Portfolio**
  - Run Monte Carlo simulations of various scenarios on preferred portfolio; comparing Mean and VaR to a managerial limit.
- **Step 6: Analysis of Preferred Portfolio**
  - Review data to confirm total system costs did not exceed Mean and VaR limits in any scenario. If limit is exceeded, repeat step 5 with next highest ranked portfolio.
- **Step 7: Sensitivity of Preferred Portfolio**
  - Run the preferred portfolio through Monte Carlo simulations on price. Review results to determine if total system cost is within the Mean and VaR limits across all sensitivities.
- **Step 8: Re-evaluation of Preferred Portfolio**
  - If the total system costs fall outside of the Mean and VaR limits in sensitivity analysis, select the next most optimal portfolio to run scenario and sensitivity analysis on. Repeat as needed.

# Base Case Sendout Inputs

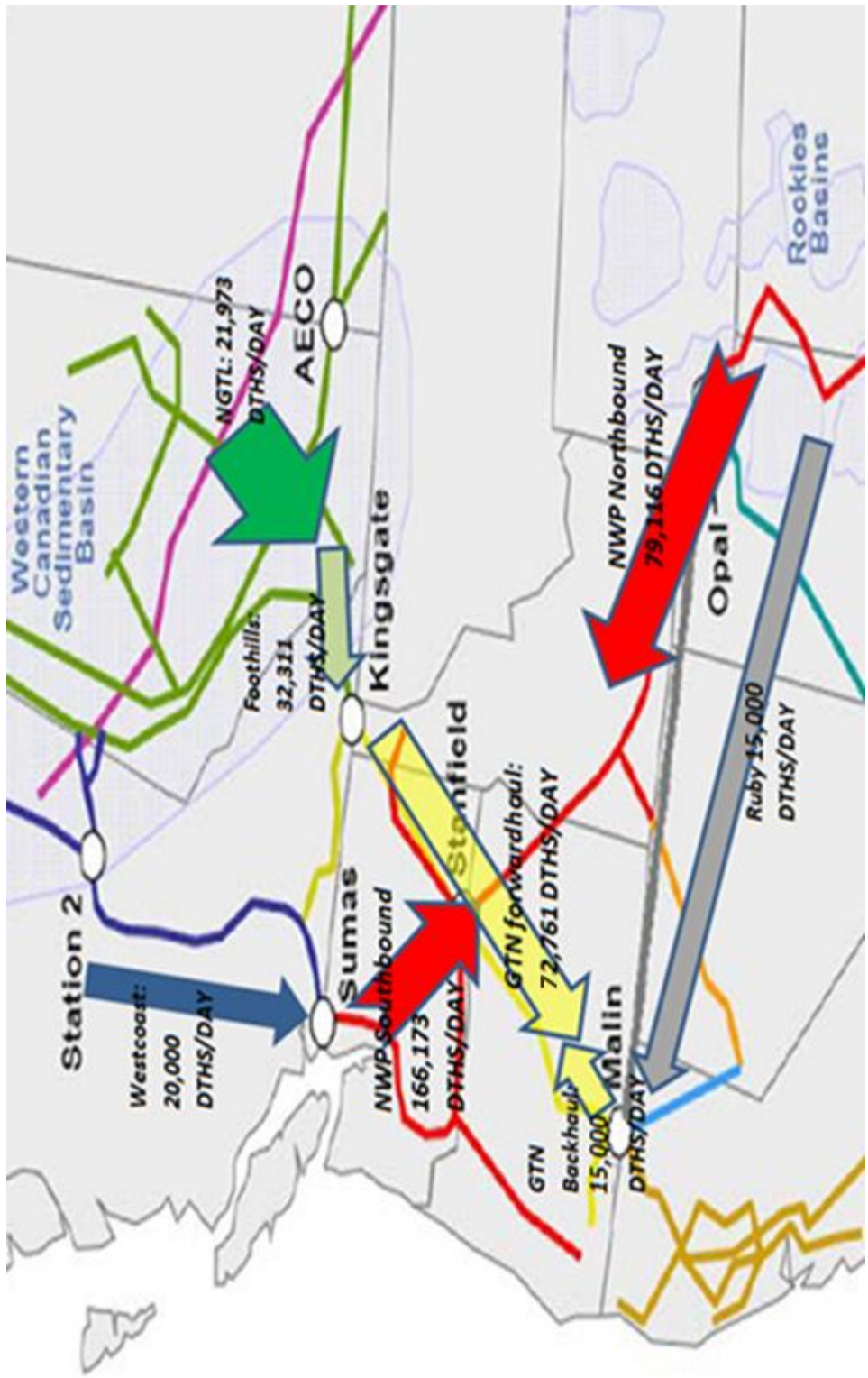
- Supply
- Storage
- Transportation
- Constraints
- Demand
- Weather
- Price Forecast

# Supply

- Cascade can purchase gas at four markets; AECO, SUMAS, KINGSGATE and OPAL.
- At each market Cascade can purchase gas at different locations along the pipeline.
- For the first year, Cascade uses all current contracts for Supply inputs.
- For years 2-20, Cascade uses Base, Fixed, Winter base, Summer and Winter day gas, and Peak day incremental supplies as inputs.
- Over the planning horizon, the contracts are renewed in November and April.



# Supply




CASCADE NATURAL GAS CORPORATION
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In the Community to Serve®

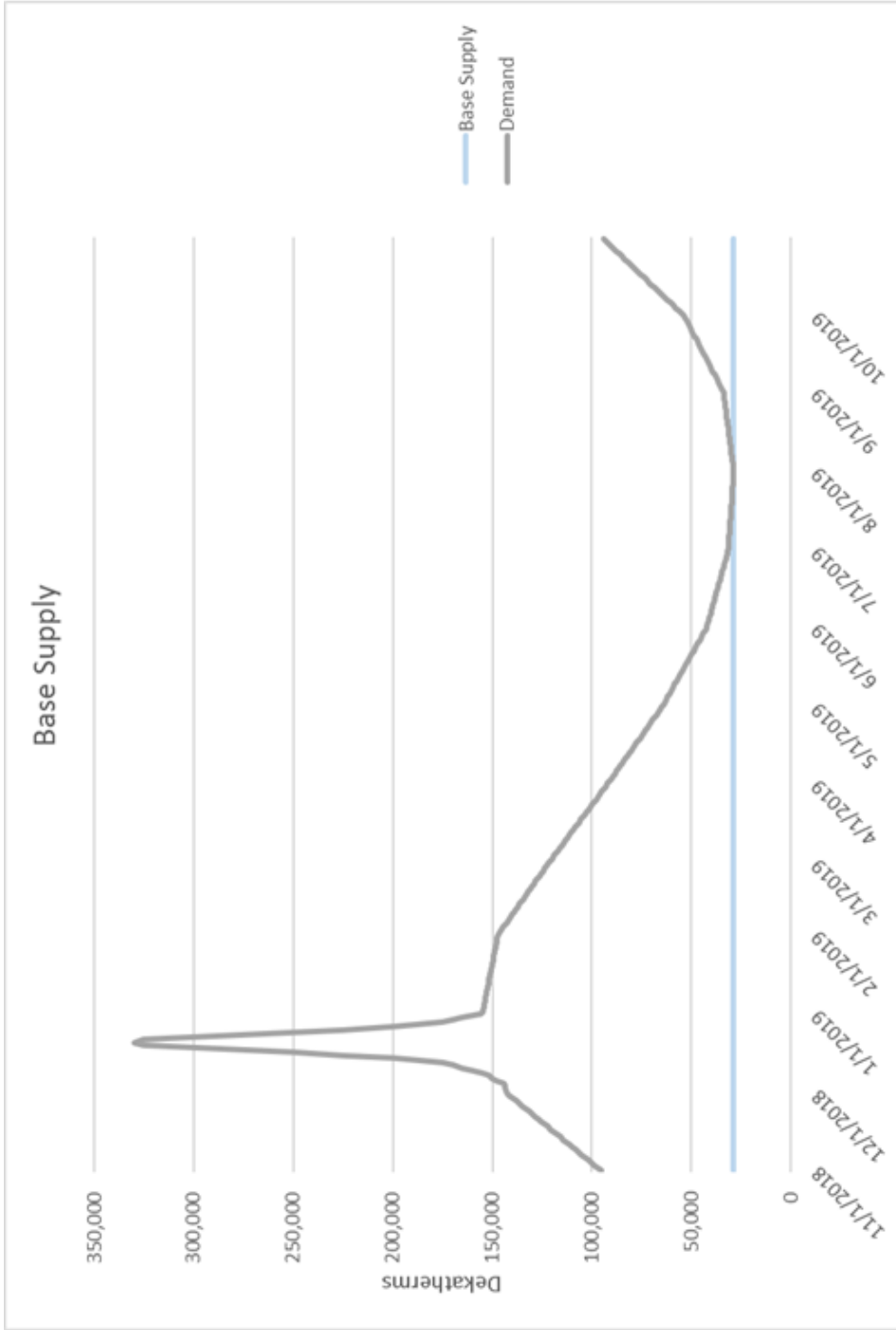
# Supply Base and Fixed

- Supply Base and Fixed are the baseline supply contracts that are entered into every 12 months.
- A base contract has a basis rate. This is defined as the price of gas at a given market (i.e., AECO base is the expected cost of gas at NYMEX plus the basis for AECO, for a given month).
- A fixed contract has a fixed rate.
- A penalty is applied to each contract when the gas is not taken for a day. This type of penalty forces these types of contracts to only take the optimal amount of gas to serve the base demand.

# Supply Example

| | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 | JUN 2017 | JUL 2017 | AUG 2017 | SEP 2017 | Extension Option | Escalation Pattern | Monthly Multiplier | Index | Adder | Multiplier |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Daily MDQ | 25000 | | | | | | | | | Same | | | | | |
| *Daily Minimum Percent | 100 | | | | | | | | | Same | | | | | |
| Annual Maximum | | | | | | | | | | Same | | | | | |
| Annual Minimum Percent | | | | | | | | | | Same | | | | | |
| Monthly Maximum | | | | | | | | | | Same | | | | | |
| Monthly Minimum Percent | | | | | | | | | | Same | | | | | |
| Seasonal Maximum | | | | | | | | | | Same | | | | | |
| Seasonal Minimum Percent | | | | | | | | | | Same | | | | | |
| Known Take | | | | | | | | | | Same | | | | | |
| *Rate - Commodity | 2.5 | | | | | | | | | Same | CPI | | | | |
| Rate - Dispatch | | | | | | | | | | Same | | | | | |
| Rate - Known Commodity Cost | | | | | | | | | | Same | | | | | |
| Rate - Other Variable 1 | | | | | | | | | | Same | | | | | |
| Rate - Other Variable 2 | | | | | | | | | | Same | | | | | |
| Rate - Penalty Annual | | | | | | | | | | Same | | | | | |
| Rate - Penalty Seasonal | | | | | | | | | | Same | | | | | |
| Rate - Penalty Monthly | | | | | | | | | | Same | | | | | |
| Rate - Penalty Daily | 2.5 | | | | | | | | | Same | | | | -0.01 | |
| Rate - D1 | | | | | | | | | | Same | | | | | |
| Rate - D2 | | | | | | | | | | Same | | | | | |
| Volume - D1 Volume | | | | | | | | | | Same | | | | | |
| Volume - D2 Volume | | | | | | | | | | Same | | | | | |
| Temp Cutoff Max Temperature | | | | | | | | | | Same | | | | | |
| Available % Below Min/Above Max | | | | | | | | | | Same | | | | | |
| Temp Cutoff Min Temperature | | | | | | | | | | Same | | | | | |
| Apply Temperature Cutoff | | | | | | | | | | Same | | | | | |
| Energy Conversion Factor | | | | | | | | | | Same | | | | | |
| Process Indicator | | | | | | | | | | Same | | | | | |
| Resource Mix Start\Stop Indicators | Start | | | | | | | | | Last Year | | | | | |
| Rmix MDQ Range Max | 25000 | | | | | | | | | Same | | | | | |

# Base Supply (Cont'd)






Cascade Natural Gas Corporation
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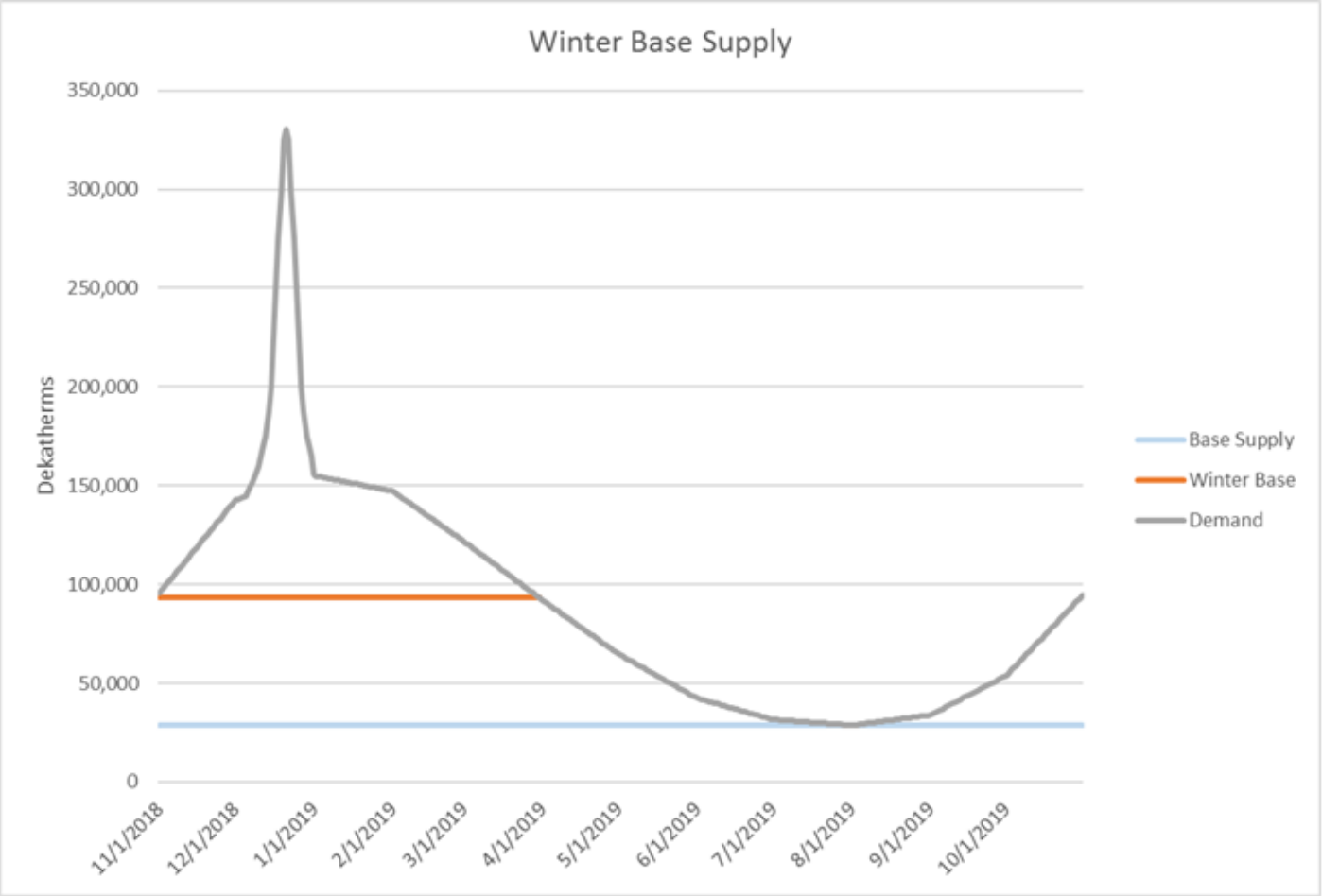
# Winter base Supply

- Winter base supply is contracted supply with a premium charge that is slightly higher than base gas.
- The Maximum Daily Quantity (MDQ) is optimally set by SENDOUT.
- Winter supply is renewed every November and completes at the end of March.
- Winter Supply is additional baseline supply on top of the base or fixed supplies for the winter months.
- There is a penalty associated to this contract to force SENDOUT to take the optimal amount of additional winter base gas.

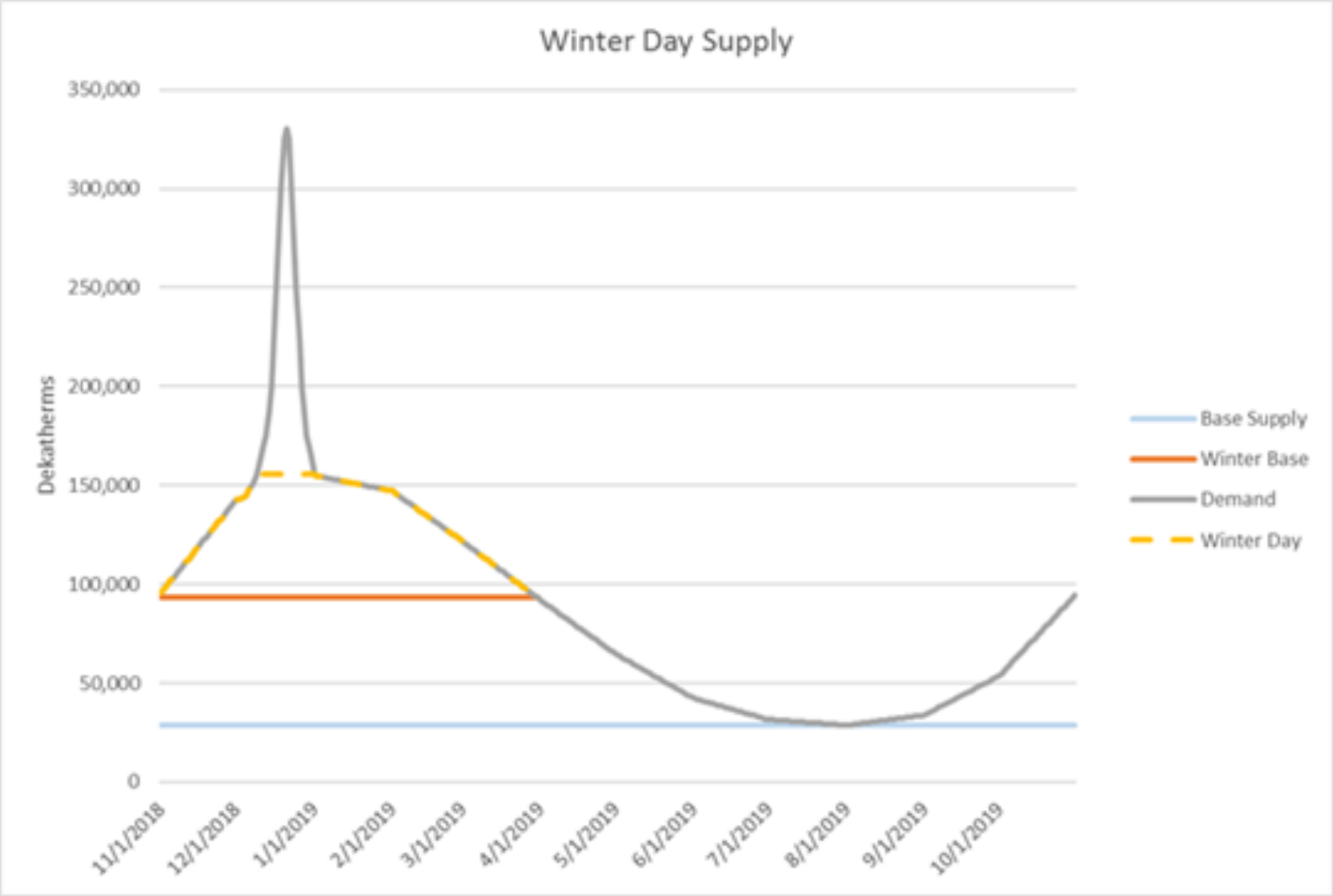
# Winter Base Supply (Cont'd)



# Day Supply (Winter)

- Winter Day supply is gas that is R-mixed at the beginning of November each year.
- The R-mix function takes into account the fixed and variable costs of a resource to determine the proper amount to take in a given period.
- Winter day gas has an MDQ cap but is not a must take supply.
- If a winter day supply has an MDQ of 10,000 dth then it can take anywhere from 0 to 10,000 dth of gas on any given day in the winter.
- Winter day supply has a slightly higher premium than winter base supply and it can be contracted from November to April.

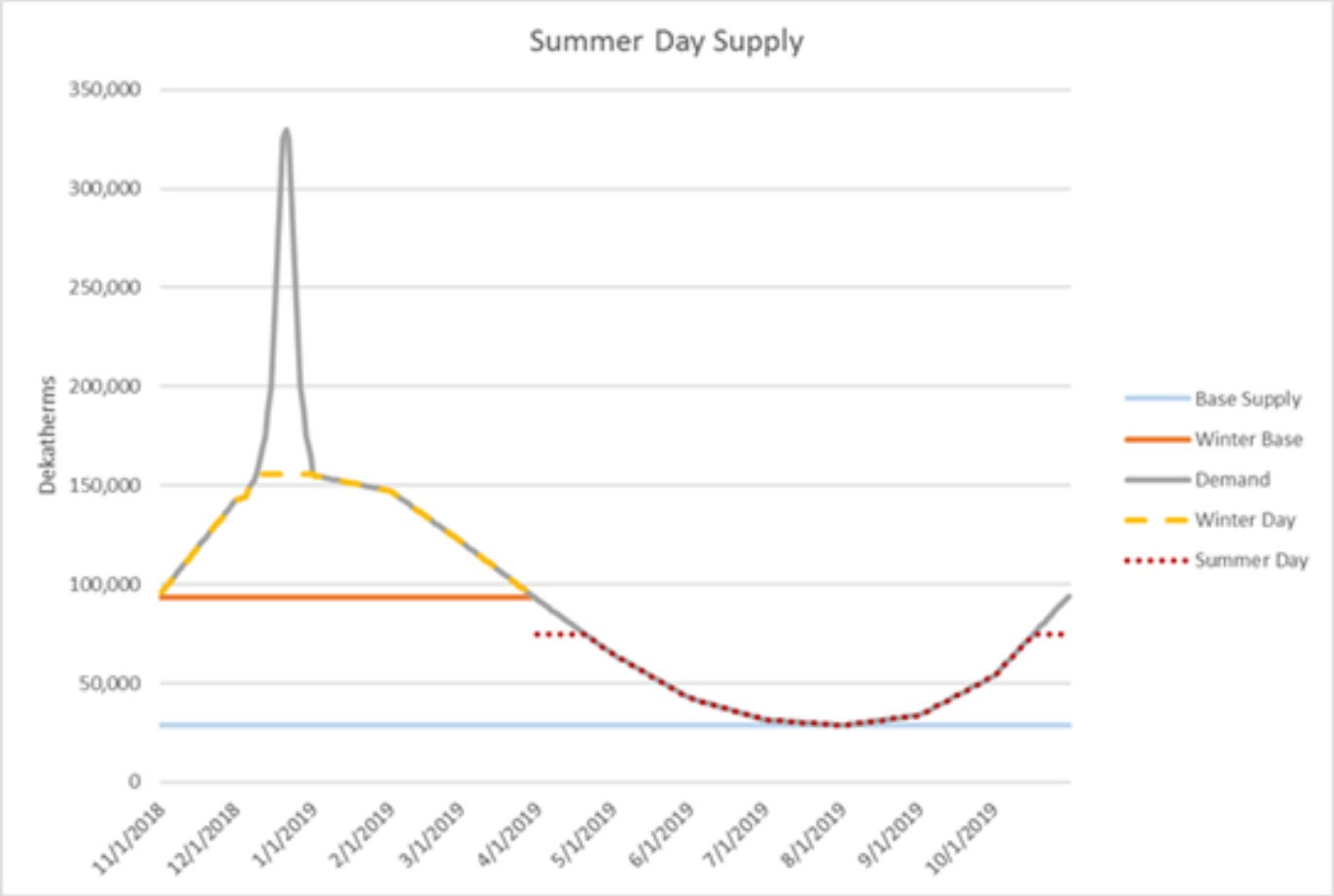
# Winter Day Supply (Cont'd)



# Day Supply (Summer)

- Summer day supply is gas that is R-mixed at the beginning of April each year.
- Summer day gas has an MDQ cap but is not a must take supply.
- If a summer day supply has an MDQ of 10,000 dth then it can take anywhere from 0 to 10,000 dth of gas on any given day in the summer.
- Summer day supply has a slightly higher cost than base supply and it can be contracted from April to November.

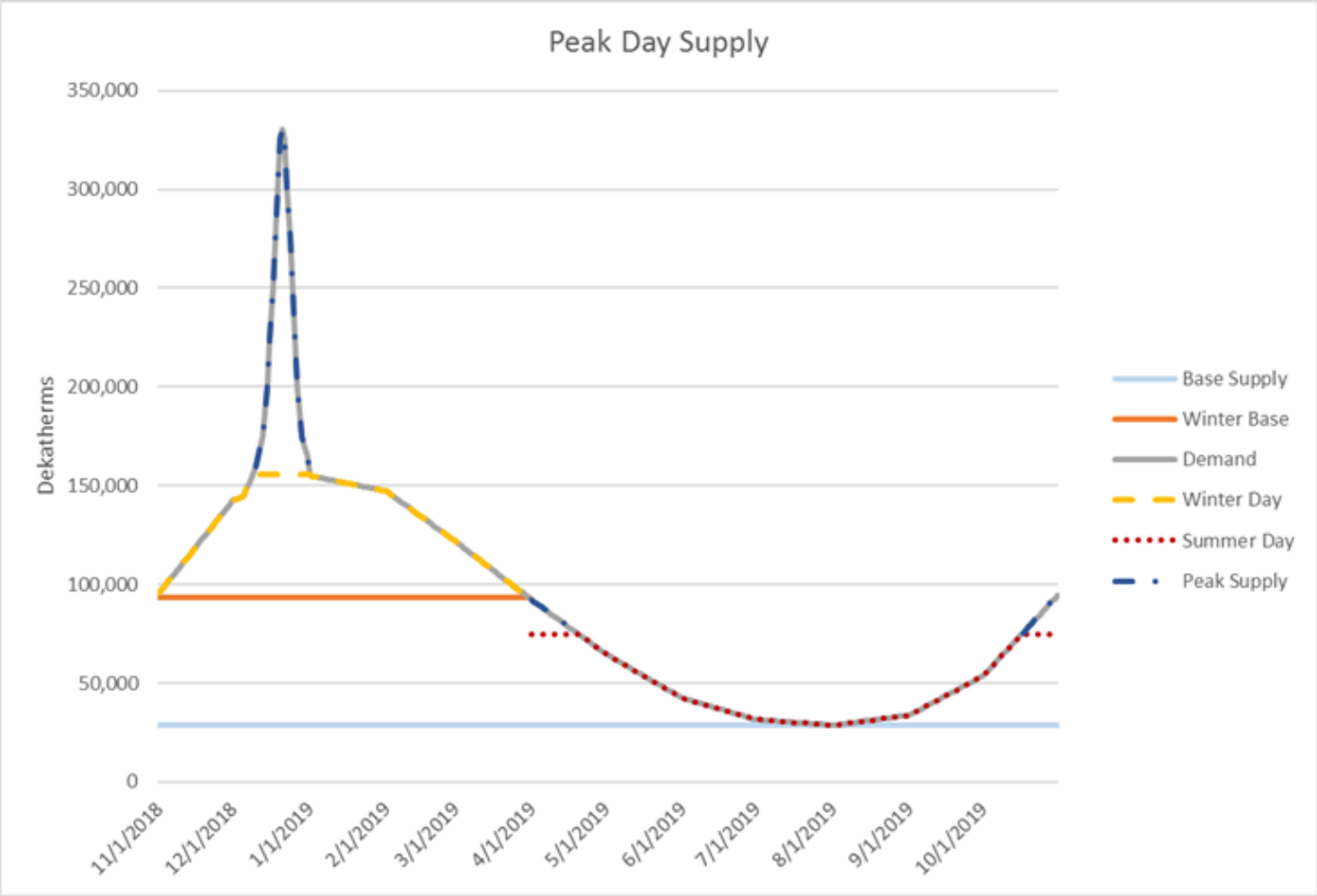
# Day Supply (Summer)



# Peak Supply

- Peak supply is gas purchased on high demand days where base, index, winter base, or day supply cannot accommodate.
- Peak supply has a slightly higher premium to buy than day supply.
- As long as Cascade has the transport capacity or can utilize a third party's transport capacity, we can purchase as much peak supply as needed to meet peak demand.

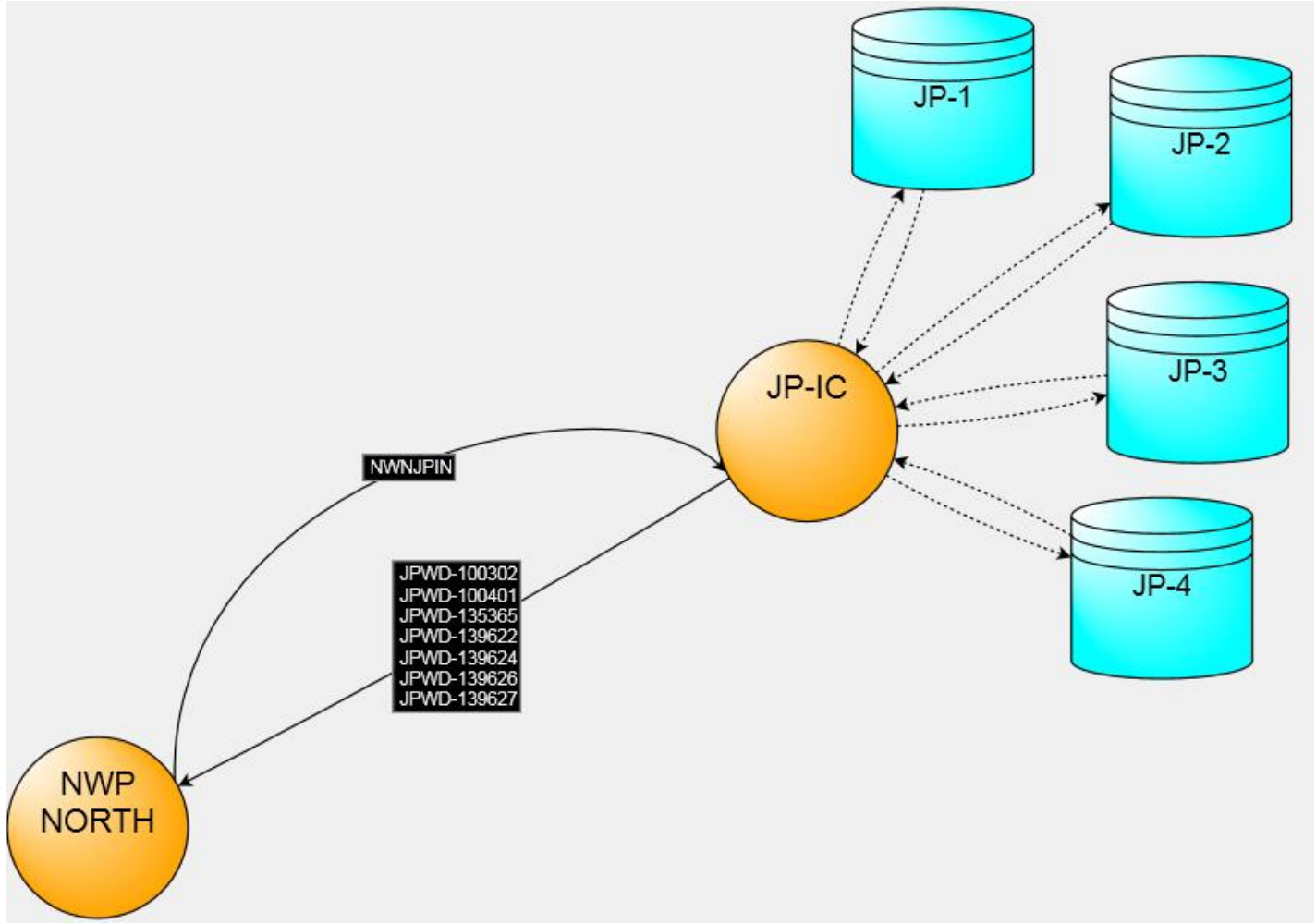
# Total Supply



# Storage

- Cascade leases storage at 2 locations: Jackson Prairie (JP) and Plymouth (Ply).
- Cascade has 4 storage contracts with JP and 2 contracts with Plymouth.
- Storage injections targets are set at 35% by the end of June, 80% by the end of August, and 100% by the end of September.
- These targets are set by our Gas Supply Oversight Committee.
- Cascade can withdrawal approximately 56,000 dth per day from JP and 78,000 dth per day from Plymouth for a total of approximately 134,000 dth per day.

# Storage Example



# Storage Example 2

| | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 | JUN 2017 | JUL 2017 | AUG 2017 | SEP 2017 | Extension Option | Escalation Pattern | Monthly Multiplier |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Process Indicator | | | | | | | | | | Same | | |
| Inventory Maximum Physical Capacity | 604351 | | | | | | | | | Same | | |
| Inventory Minimum Physical Percent | | | | | | | | | | Same | | |
| *Target Inv - End of Period Max Pct | | | | | | | | | | Same | | |
| *Target Inv - End of Period Min Pct | | | | | | 35 | | 80 | 100 | First Year | | |
| *Inventory Adjustment - Value per Unit | | | | | | | | | | Same | | |
| *Inventory Adjustment - Volume | | | | | | | | | | Same | | |
| *Injection Daily MDQ | | | | 16789 | | | | | | First Year | | |
| *Injection Daily Min Percent | | | | | | | | | | Same | | |
| *Withdrawal Daily MDQ | | | | 0 | | | | | | Last Year | | |
| *Withdrawal Daily Min Percent | | | | | | | | | | Same | | |
| Fuel - Injection | 0.15 | | | | | | | | | Same | | |
| Fuel - Withdrawal | 0.15 | | | | | | | | | Same | | |
| Rate - Carry | | | | | | | | | | Same | | |
| Rate - Injection | | | | | | | | | | Same | | |
| Rate - Withdrawal | | | | | | | | | | Same | | |
| Rate - Other Injection | | | | | | | | | | Same | | |
| Rate - Other Withdrawal | | | | | | | | | | Same | | |
| Rate - Volume Charge | | | | | | | | | | Same | | |
| Rate - D1 | .01558 | | | | | | | | | Same | | DaysInMonth |
| Rate - D2 | .00057 | | | | | | | | | Same | | DaysInMonth |
| Volume - D1 Volume | 16789 | | | | | | | | | Same | | |
| Volume - D2 Volume | | | | | | | | | | Same | | |
| Storage Ratchets Table | JP | | | | | | | | | Same | | |
| Starting Inv Layer 1 Value per Unit | 3 | | | | | | | | | Same | | |
| Starting Inv Layer 1 Volume | 604351 | | | | | | | | | Same | | |
| Energy Conversion Factor | | | | | | | | | | Same | | |
| Injection Costing List - Transport | | | | | | | | | | Same | | |
| Injection Costing List - Source | | | | | | | | | | Same | | |

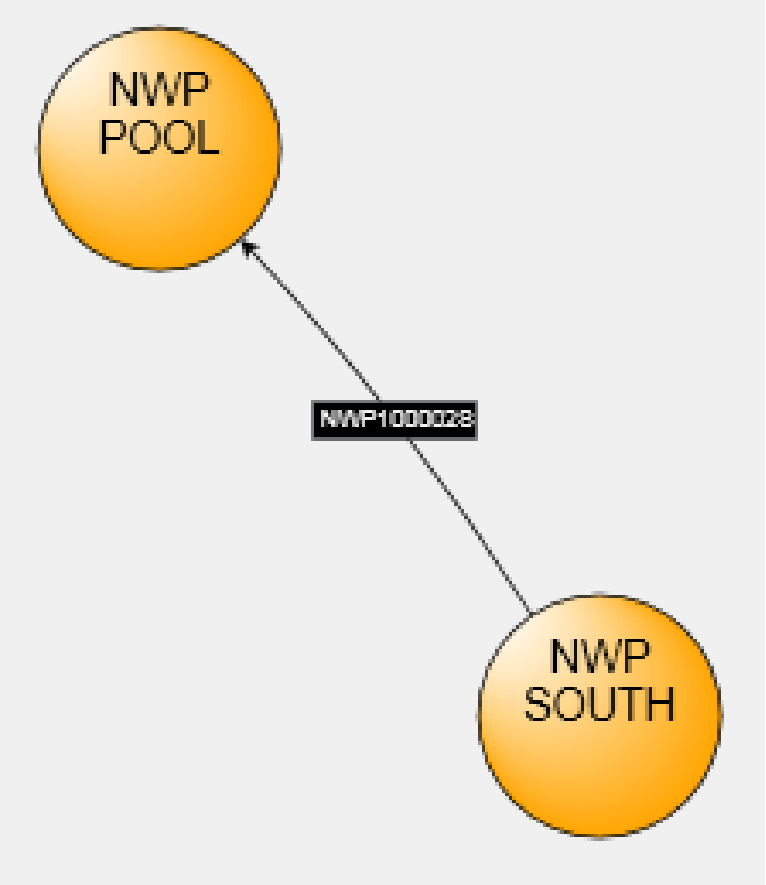
# Transportation

- Transportation contracts are the means of how Cascade gets the gas from the supplier to the end user.
- Cascade has multiple types of transportation:
  - A single delivery point.
  - Multiple delivery points.
- The multiple delivery point contracts gives Cascade the flexibility to move the gas where it's most needed.
- On NWP, transportation goes to the zonal level because MDDO's can be reallocated within a zone to the citygate. Additionally, NWP typically issues constraint concerns at the zonal level.
- On GTN, transportation goes to the citygate level as MDDO's cannot be reallocated within the GTN zone.

# Transportation (Cont'd)

- Transportation has an MDQ, a D1 rate, a transportation rate, and a fuel loss percentage.
- A maximum delivery quantity (MDQ) which is the maximum amount of gas Cascade can move on the pipeline on a single day.
- A D1 rate which is the reservation rate to have the ability to move the MDQ amount on the pipeline.
- A transportation rate which is the rate per dekatherm that is actually moved on the pipeline.
- The fuel loss percentage is the statutory percent of gas based on the tariff from the pipeline that is lost and unaccounted for from the point of where the gas was purchased to the citygate.

# Transport Example



# Transport Example

| | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 | JUN 2017 | JUL 2017 | AUG 2017 | SEP 2017 | Extension Option | Escalation Pattern | Monthly Multiplier |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Daily MDQ | 116866 | | | | | | | | | Same | | |
| *Daily Minimum Percent | | | | | | | | | | Same | | |
| Fuel | 1.28 | | | | | | | | | Same | | |
| Rate - Transportation | 0.03 | | | | | | | | | Same | | |
| Rate - Other Variable | | | | | | | | | | Same | | |
| Rate - D1 Rate | 0.39249 | | | | | | | | | Same | | DaysInMonth |





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# Delivery Rights vs Receipt Rights

- Cascade has more Delivery Rights than Receipt Rights.
- Approximately 457,000 Dth of Delivery Rights.
- Approximately 360,000 Dth of Receipt Rights.
- The excess Delivery Rights allow Cascade to be flexible with the 360,000 Dth of Receipt Rights.

# Example of delivery right flexibility

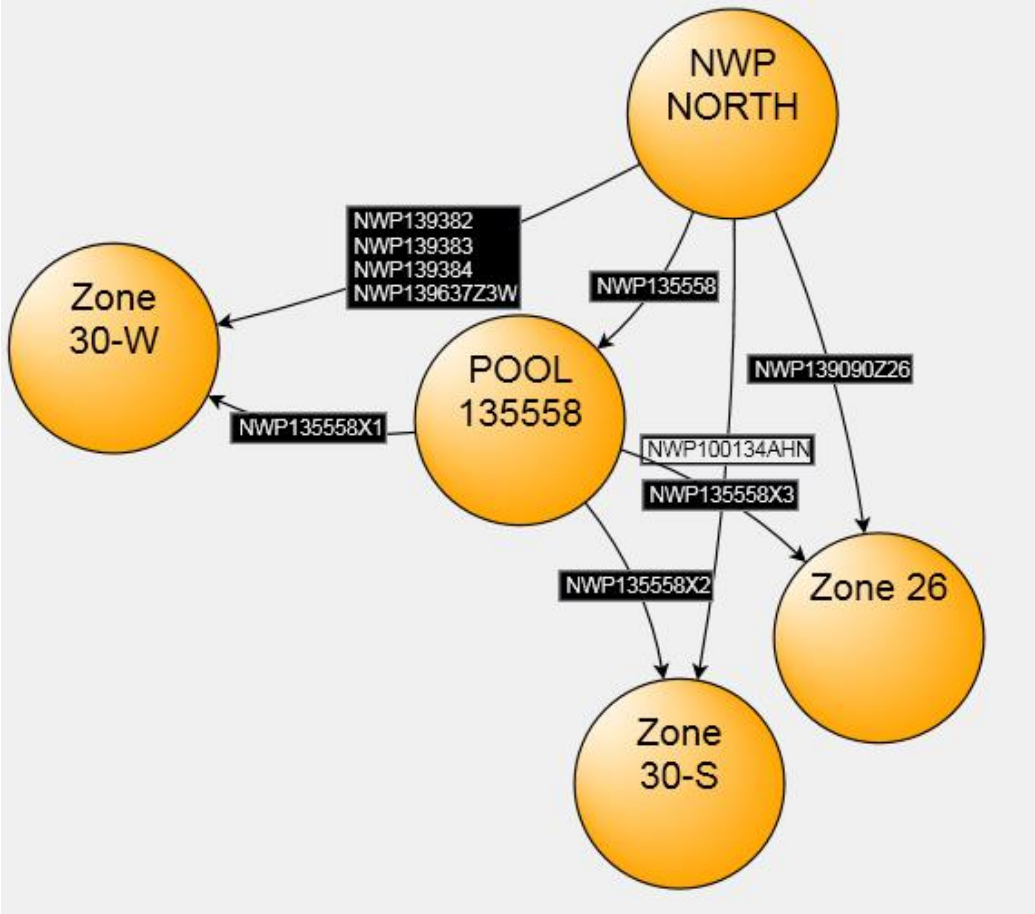
*All of the following must be true*

$X1 \leq 4\text{MDTs}$

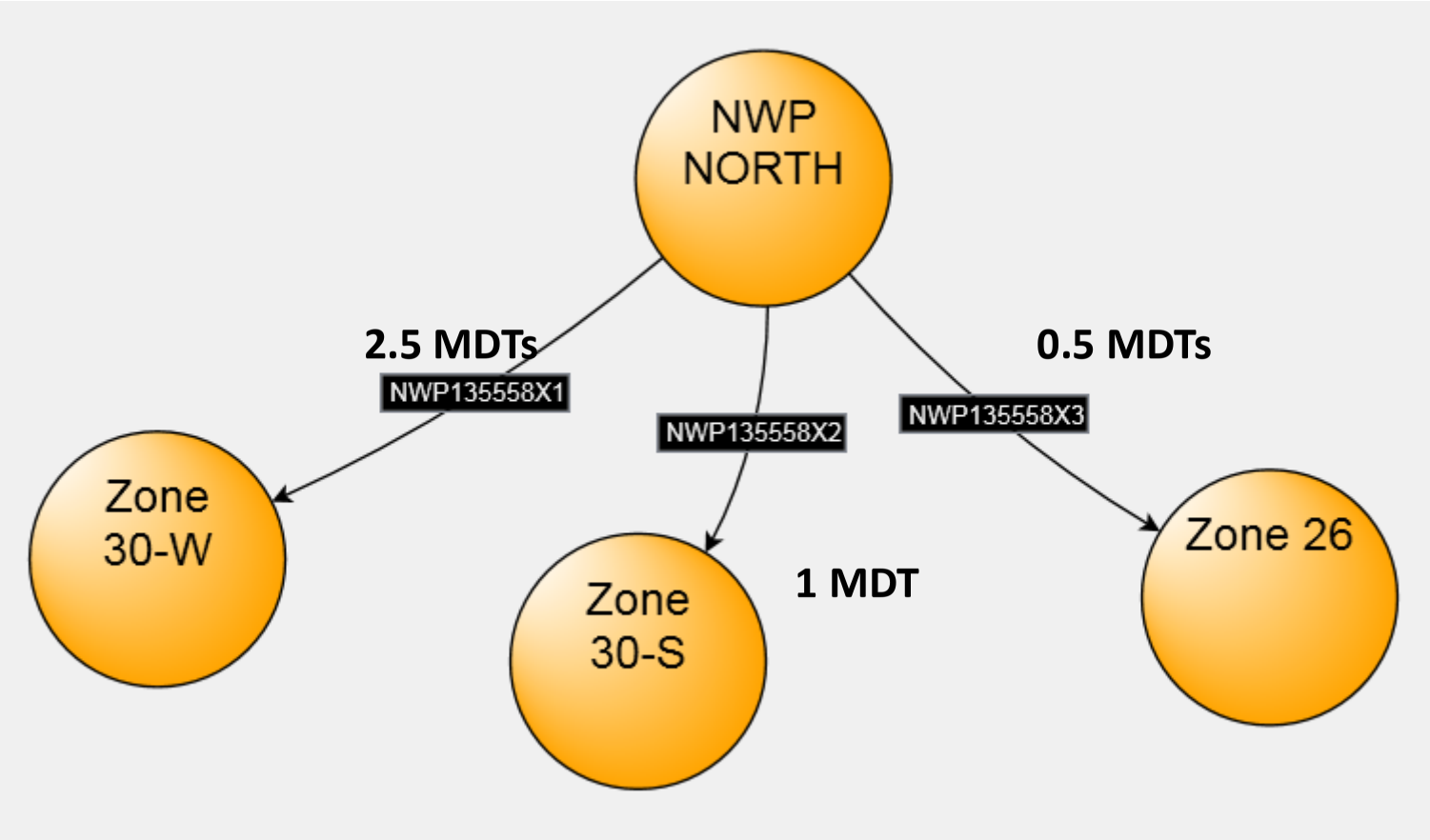
$X2 \leq 4\text{MDTs}$

$X3 \leq 4MDTs$

$X1 + X2 + X3 \leq 4MDTs$



# Example of delivery right inflexibility



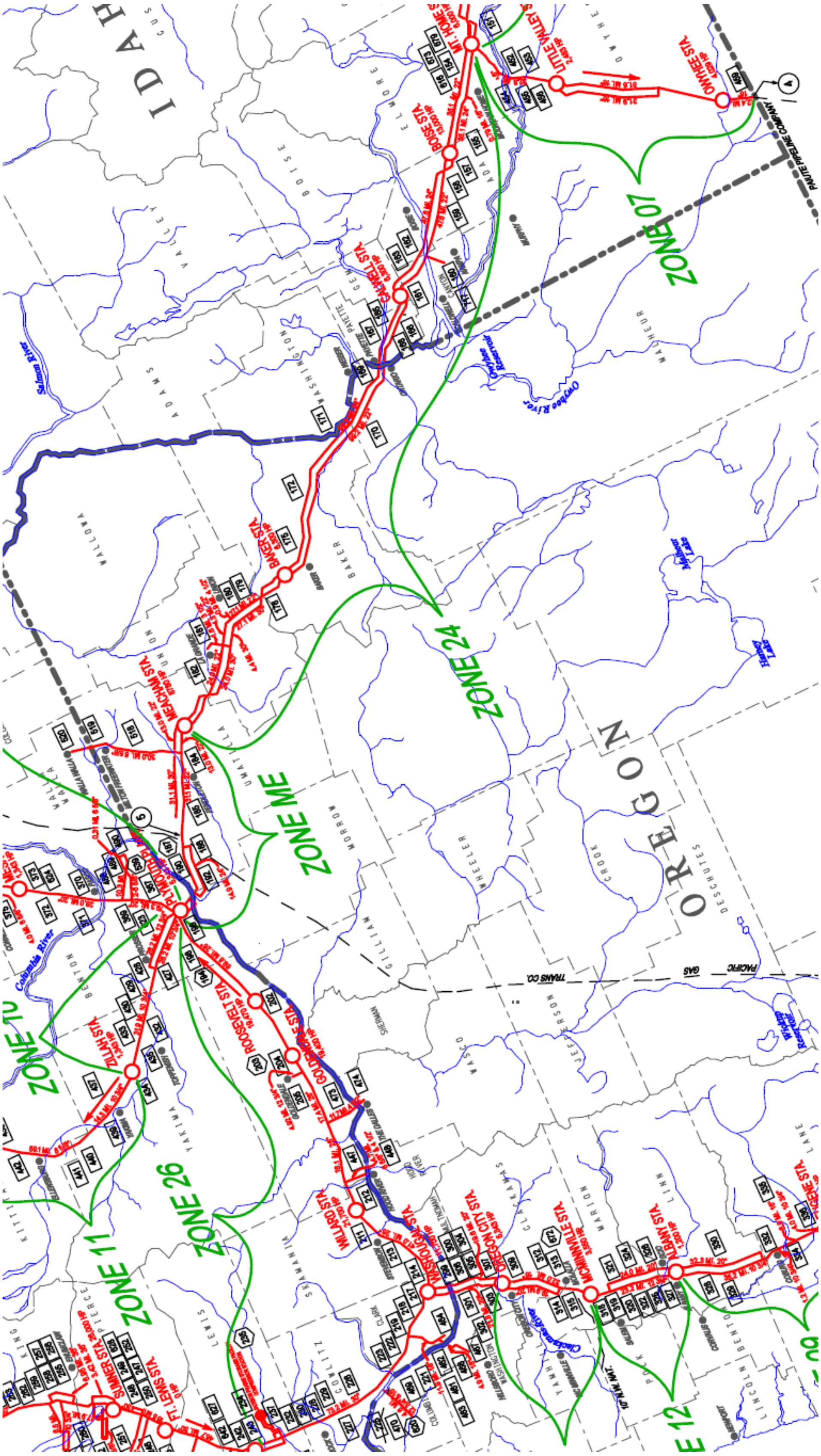
# Transport Constraints

- To simplify modeling in SENDOUT®, the software allows the user to group multiple paths of one contract into a constraint group.
- This tells SENDOUT® to allow each path to take up to X Dekatherms, but not to exceed X Dekatherms for all paths of the contract.
- The analyst identifies which contracts should be in the group and assigns an MDQ for the constraint group.

# Transport Constraints Example

| | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 | JUN 2017 | JUL 2017 | AUG 2017 | SEP 2017 | Extension Option |
|---|---|---|---|---|---|---|---|---|---|---|
| Annual Max | | | | | | | | | | Same |
| Annual Min Percent | | | | | | | | | | Same |
| Seasonal Max | | | | | | | | | | Same |
| Seasonal Min Percent | | | | | | | | | | Same |
| Monthly Max | | | | | | | | | | Same |
| Monthly Min Percent | | | | | | | | | | Same |
| *Daily Max | 47603 | | | | | | | | | Same |
| *Daily Min Percent | | | | | | | | | | Same |
| Resource Mix Start\Stop Indicators | | | | | | | | | | Same |
| RMIX MDQ Max | | | | | | | | | | Same |
| RMIX MDQ Min | | | | | | | | | | Same |
| Fixed Rate | | | | | | | | | | Same |
| Demand Annual Max Percent | | | | | | | | | | Same |
| Demand Annual Min Percent | | | | | | | | | | Same |
| Demand Seasonal Max Percent | | | | | | | | | | Same |
| Demand Seasonal Min Percent | | | | | | | | | | Same |
| Demand Monthly Max Percent | | | | | | | | | | Same |
| Demand Monthly Min Percent | | | | | | | | | | Same |
| *Demand Daily Max Percent | | | | | | | | | | Same |
| *Demand Daily Min Percent | | | | | | | | | | Same |

# Location of Zones (Source: NWP)

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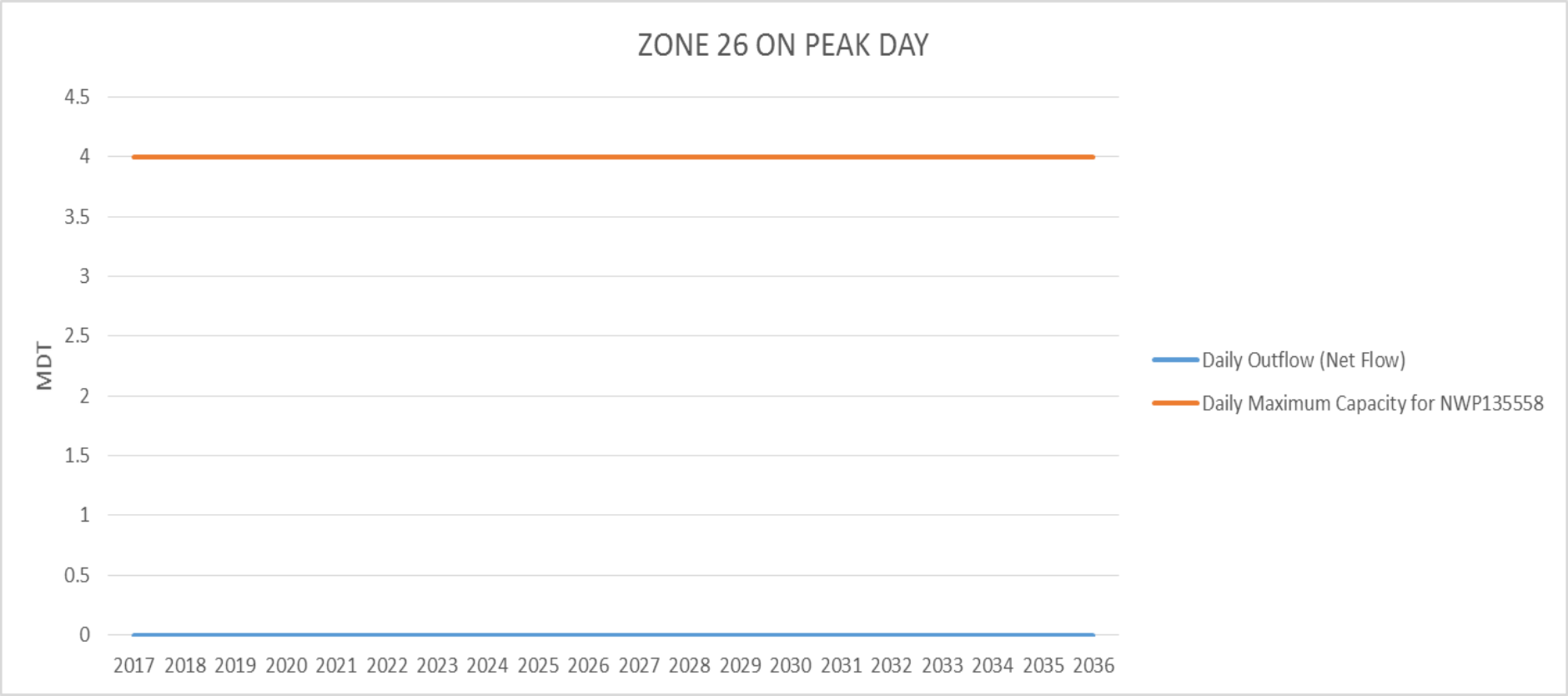
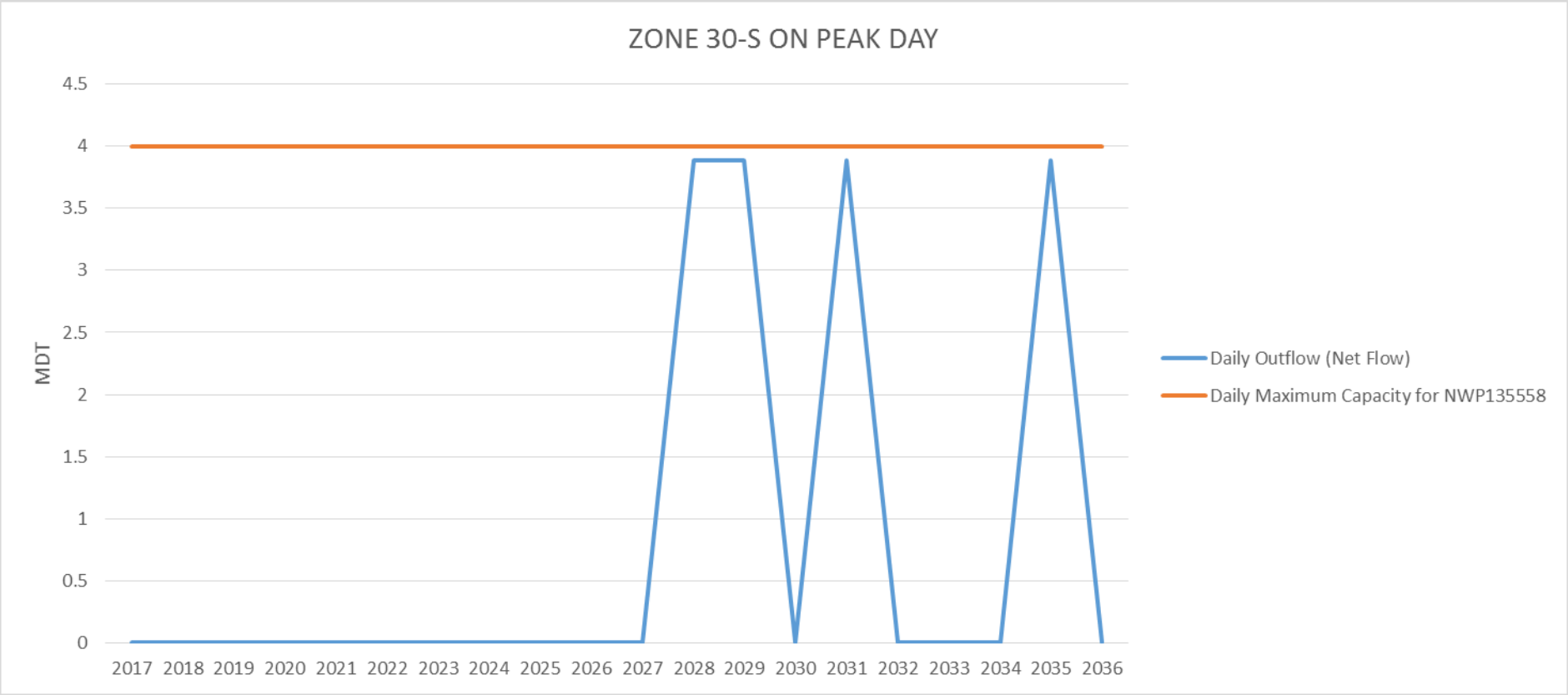
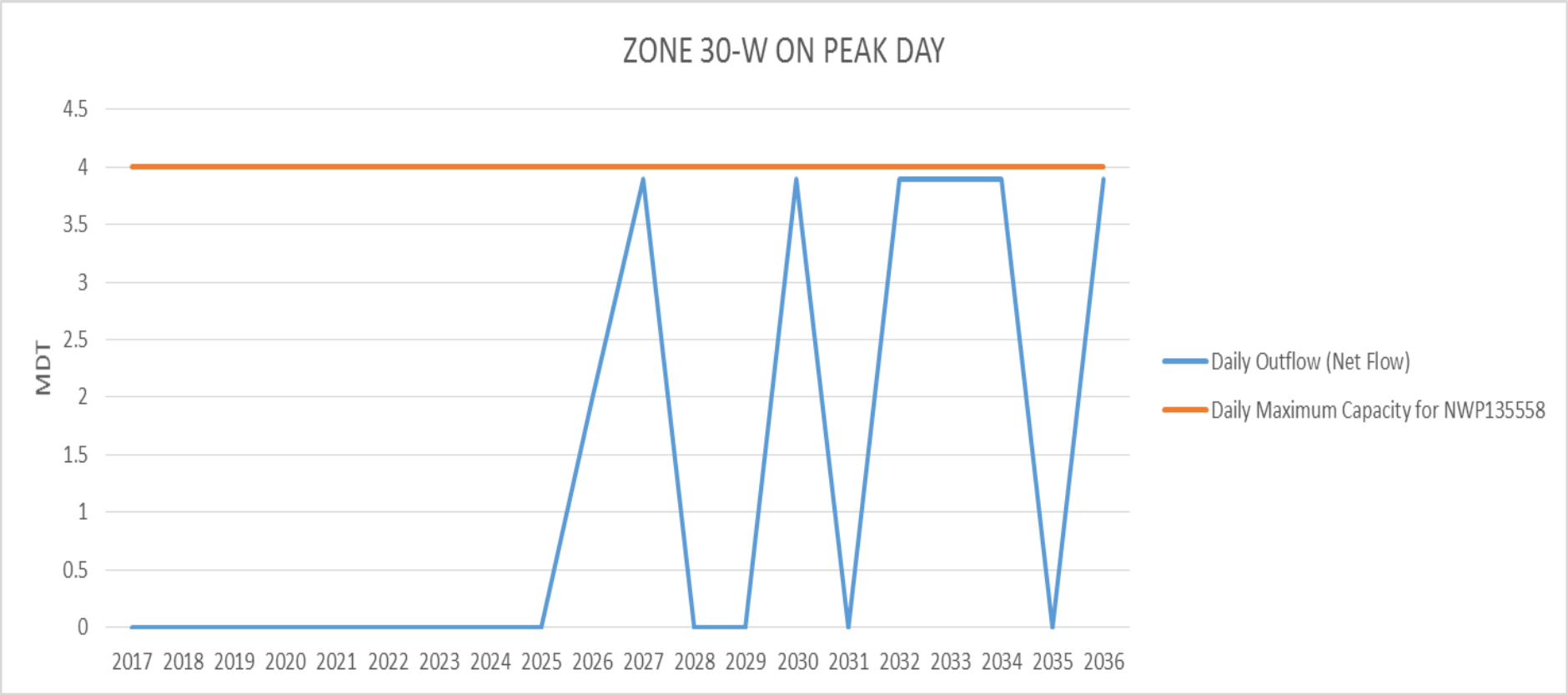
# Zone 26 on Peak Day for Transport 135558



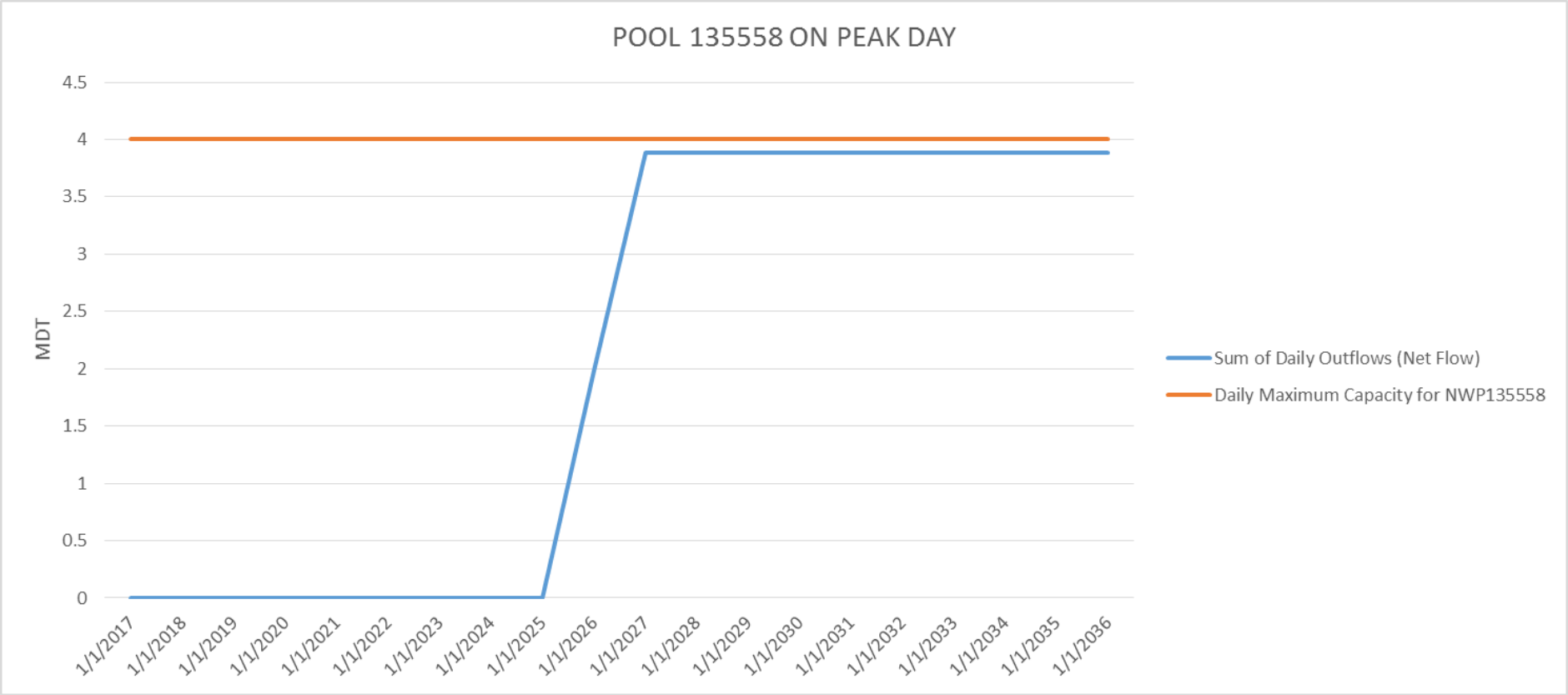
# Zone 30-S on Peak Day for Transport 135558



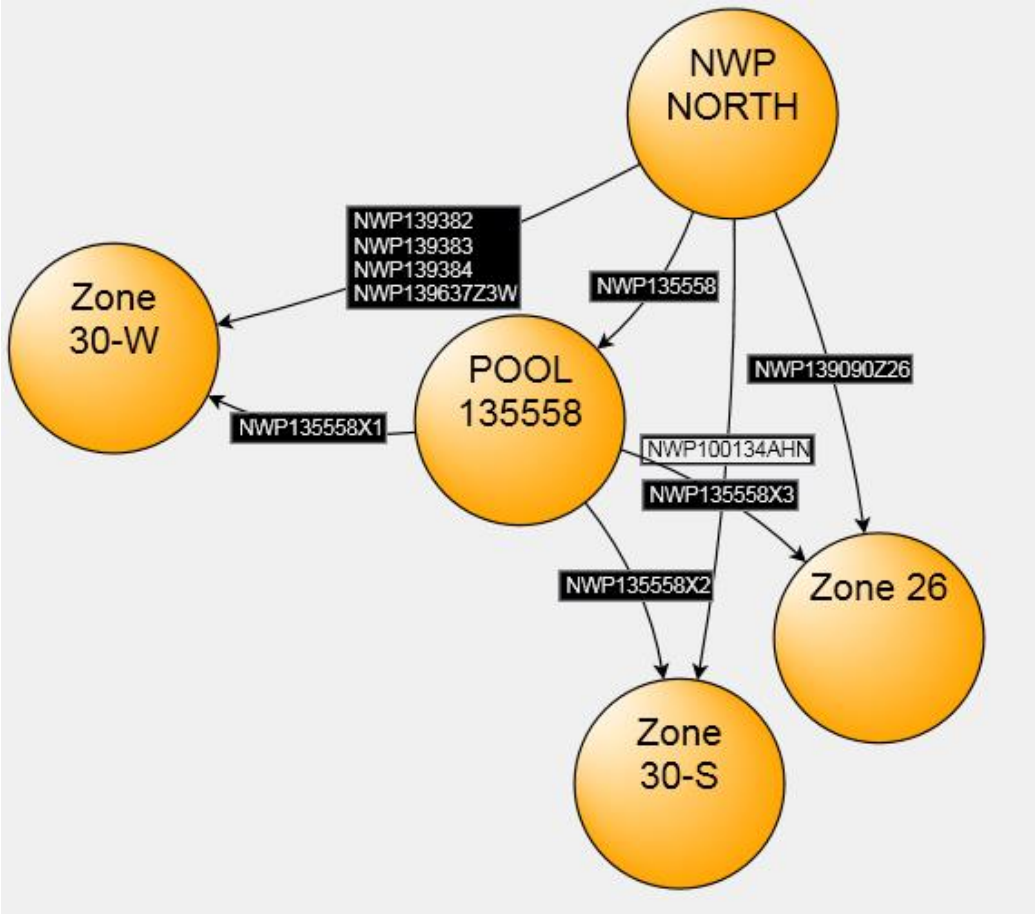
# Zone 30-W on Peak Day for Transport 135558



# Transport Contract 135558 on Peak Day



# Example of delivery right flexibility



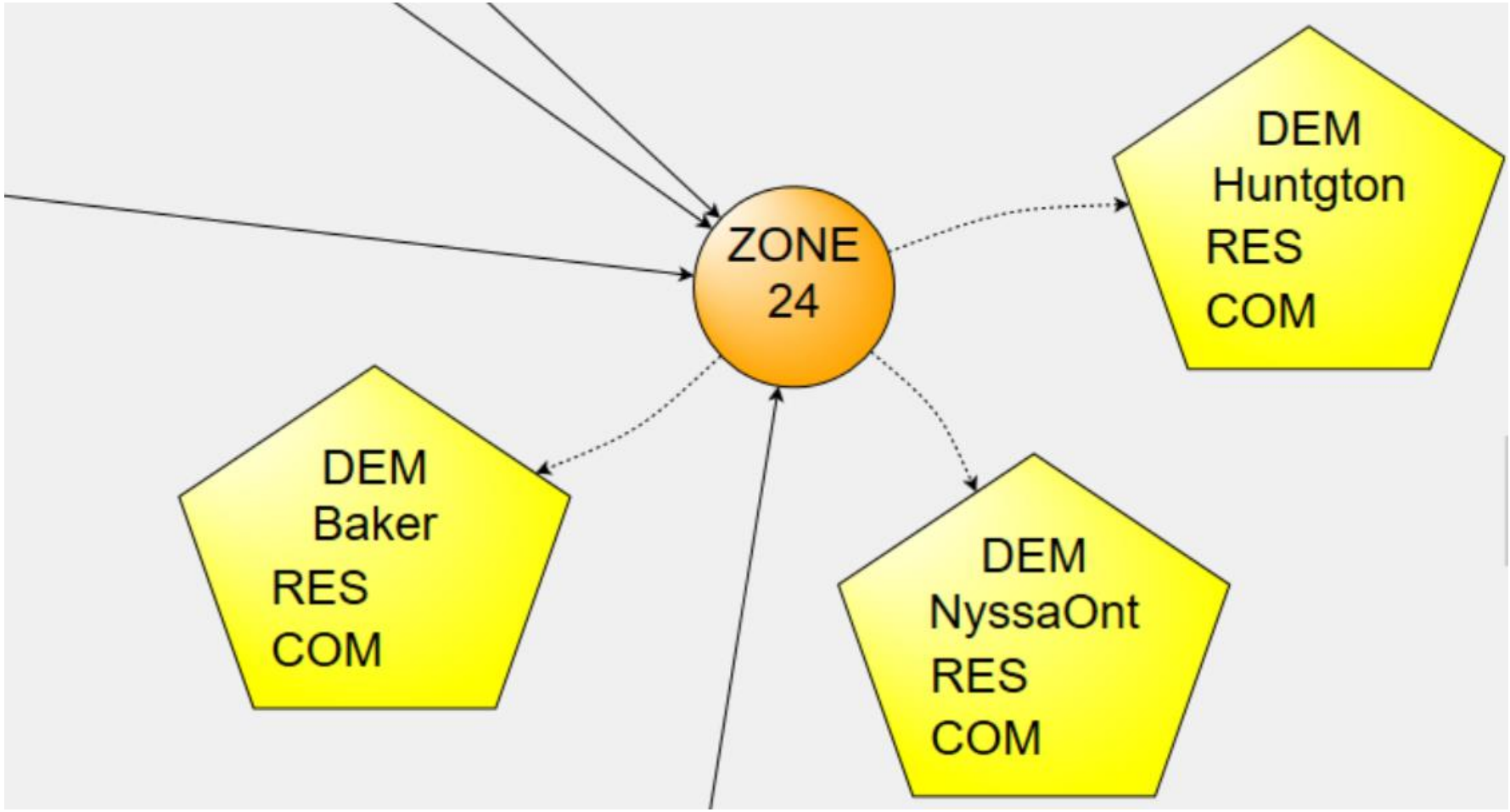
# Demand Behind the Gate

- Cascade has strived over the last several years to enhance the IRP forecast and resource analysis to get to as granular a level as possible using the available data.
- Attempts to forecast demand behind the gate using existing forecasting methodology has been challenging.
- Customer billing data does not have daily meter reads for core customers making regression analysis on use per HDD per customer difficult.
- Given Cascade is not a contiguous system, DSM by citygate is currently is an ongoing complication:
  - This year we have added the Climate Zone.
  - Future IRPs will address the citygate level.
- Some towns can be served by multiple pipelines and the mix can change over time.

# Demand

- Demand is forecasted at the citygate level by rate schedule.
- For NWP, each citygate's demand is associated with the zone.
- For GTN, each citygate's demand is associated with it's respective citygate interconnect.
- Demand Inputs
  - Forecast type (Monthly amount or Regressions).
  - Monthly projected customers for 20 years.
  - Regression coefficients if using the Regression forecast type.
  - If using a monthly number, it is the 2016 demand for that month with a growth factor.

# Demand Example



# Demand Example 2

| | JAN 2017 | FEB 2017 | MAR 2017 | APR 2017 | MAY 2017 | JUN 2017 | JUL 2017 | AUG 2017 | SEP 2017 | Extension Option | Escalation Pattern | Monthly Multiplier | Index | Adder | Multiplier |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Forecast Method | Usage Fac | | | | | | | | | Same | | | | | |
| Customers | 28347 | 28386 | 28429 | 28435 | 28456 | 28442 | 28450 | 28469 | 28489 | Same | | | | | |
| *Demand - Daily | | | | | | | | | | Same | | | | | |
| Demand - Monthly Base | | | | | | | | | | Same | | | | | |
| Demand - Monthly Heat | | | | | | | | | | Same | | | | | |
| Demand - Monthly Total | | | | | | | | | | Same | | | | | |
| Demand - Percent Factor - non P non Q | | | | | | | | | | Same | | | | | |
| Demand - Percent Factor - non Q | | | | | | | | | | Same | | | | | |
| Usage Factors - Weekday Base | 0.1919 | 0.1659 | 0.1396 | 0.0979 | 0.0741 | 0.0625 | 0.0589 | 0.0581 | 0.06 | First Year | | | | | |
| Usage Factors - Weekday Heat | 0.007448 | | | | | | | | | Same | | | | | |
| Usage Factors - Weekend Base | 0.186298 | 0.160298 | 0.133998 | 0.092298 | 0.068498 | 0.056898 | 0.053298 | 0.052498 | 0.054398 | First Year | | | | | |
| Usage Factors - Weekend Heat | 0.007448 | | | | | | | | | Same | | | | | |
| *Rate - Unserved Dispatch (Pri 1) | | | | | | | | | | Same | | | | | |
| *Rate - Unserved (Pri 2) | 960 | | | | | | | | | Same | | | | | |

# Weather

- Weather inputs for SENDOUT include:
  - Monte Carlo
  - Historical
  - Normal
- Monte Carlo inputs include mean, standard deviation, max, minimum, and distribution.
- Historical data is used to build weather profiles for Monte Carlo.
- Normal weather is the daily average of the 30-year most recent history (1987-2016).

# Weather Example – Monte Carlo

| | JAN 2014 | FEB 2014 | MAR 2014 | APR 2014 | MAY 2014 | JUN 2014 | JUL 2014 |
|---|---|---|---|---|---|---|---|
| HDD Mean | 1031.8 | 804.1 | 639.6 | 453.9 | 254.2 | 92.6 | 10.3 |
| HDD Std Dev | 145.4 | 133.1 | 84.4 | 93.0 | 72.2 | 40.4 | 15.2 |
| HDD Distribution | Normal | | | | | | |
| HDD Max | 1291 | 1242 | 841 | 641 | 426 | 170 | 75 |
| HDD Min | 772 | 568 | 448 | 254 | 92 | 19 | 0 |
| CDD Mean | | | | | | | |
| CDD Std Dev | | | | | | | |
| CDD Distribution | | | | | | | |
| CDD Max | | | | | | | |
| CDD Min | | | | | | | |
| Scaling Year | Best Match | | | | | | |

# Long Range Price Forecast

- Cascade's long-term planning price forecast is based on a blend of current market pricing along with long-term fundamental price forecasts.
- The fundamental forecasts include Wood Mackenzie, EIA, the Northwest Power Planning Council (NPPC), Bentek and the Financial Forecast Center's long term price forecasts.
- While not a guarantee of where the market will ultimately finish, Henry Hub NYMEX is the most current information that provides some direction as to future market prices.
- Wood Mackenzie's long-term forecast is at a monthly level by basin. Cascade uses this to help shape the forecast's monthly basis pricing.
- The Company also relies on EIA's forecast; however, it has its limitations since it is not always as current as the most recent market activity. Further, the EIA forecast provides monthly breakdowns in the short-term, but longer term forecasts are only by year.

# Long Range Price Forecast (Cont'd)

- CNGC assigns a weight to each source to develop the monthly Henry Hub price forecast for the 20-year planning horizon.
- Although it is impossible to accurately estimate the future, for trading purposes the most recent period has been the best indicator of the direction of the market. However, Cascade also considers other factors (historical constraints) which can lead to minor adjustments to the final long range forecast.

# Price Forecast Weights

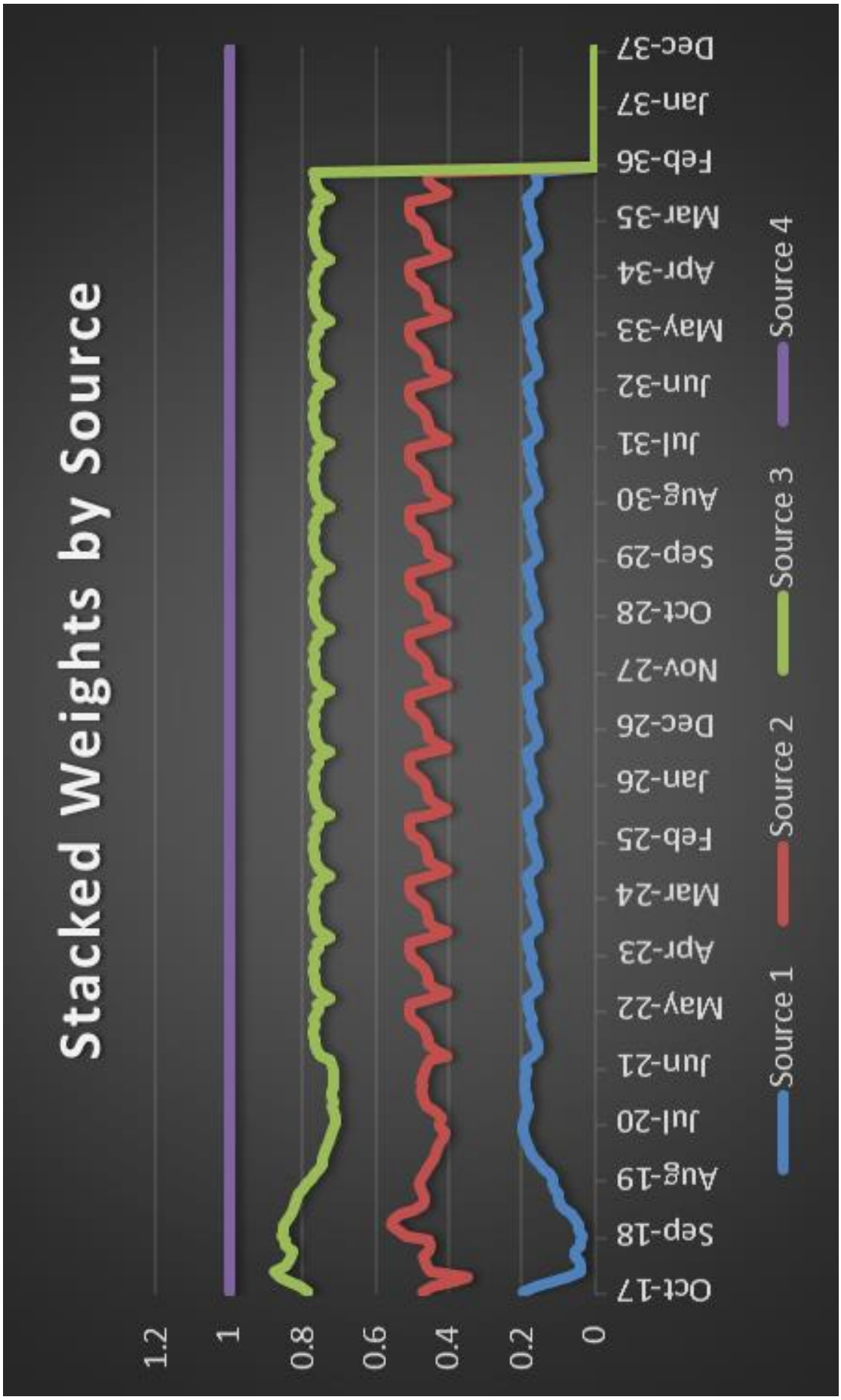
- Considerations in weight assignments
  - Cascade has modified its weighting system based on a backcast of the symmetric mean absolute percentage error (SMAPE) of its sources since 2010
    - Wood Mackenzie (monthly, covers all basins)
    - EIA (industry barometer, annual long term)
    - NPPC (regional perspective, but recognize it is also a blend)
    - NYMEX Henry Hub
  - EIA is the only source who produces a forecast after 2036
    - EIA typically forecasts higher than most other sources, so their forecast needs to be normalized based on their average error

# Example of SMAPE Calculations by Source

| | Source 1 | Source 2 | Source 3 | Source 4 |
|---|---|---|---|---|
| T+1 | 0.126033375 | 0.217301 | 0.1446299 | 0.152795 |
| T+2 | 0.167033935 | 0.208055 | 0.1973402 | 0.193328 |
| T+3 | 0.201221558 | 0.159752 | 0.1774237 | 0.180943 |
| T+4 | 0.207867469 | 0.216499 | 0.0567454 | 0.206089 |
| T+5 | 0.240209263 | 0.170581 | 0.0149917 | 0.203743 |
| T+6 | 0.223763051 | 0.15863 | 0.0308552 | 0.178014 |
| T+7 | 0.224086048 | 0.017803 | 0.160998 | 0.126166 |
| T+8 | 0.173107419 | 0.108208 | 0.1654999 | 0.101882 |
| T+9 | 0.22366183 | 0.182278 | 0.1409933 | 0.190653 |
| T+10 | 0.197011026 | 0.171414 | 0.1373605 | 0.182815 |
| T+11 | 0.232436816 | 0.198159 | 0.0881173 | 0.177821 |
| T+12 | 0.235293955 | 0.064647 | 0.046813 | 0.169711 |

# Example Weights Price Forecast For 2018

| Date | Source 1 | Source 2 | Source 3 | Source 4 |
|---|---|---|---|---|
| 18-Jan | 7.443% | 27.601% | 51.155% | 13.802% |
| 18-Feb | 4.103% | 40.758% | 43.028% | 12.111% |
| 18-Mar | 4.142% | 42.124% | 38.518% | 15.216% |
| 18-Apr | 4.619% | 41.958% | 37.283% | 16.140% |
| 18-May | 5.469% | 41.641% | 36.015% | 16.876% |
| 18-Jun | 5.248% | 40.041% | 37.548% | 17.163% |
| 18-Jul | 3.654% | 41.433% | 39.335% | 15.578% |
| 18-Aug | 3.970% | 41.695% | 38.973% | 15.362% |
| 18-Sep | 3.324% | 48.277% | 34.266% | 14.132% |
| 18-Oct | 4.354% | 49.429% | 31.572% | 14.646% |
| 18-Nov | 4.459% | 51.308% | 29.570% | 14.663% |
| 18-Dec | 5.599% | 49.377% | 29.287% | 15.737% |



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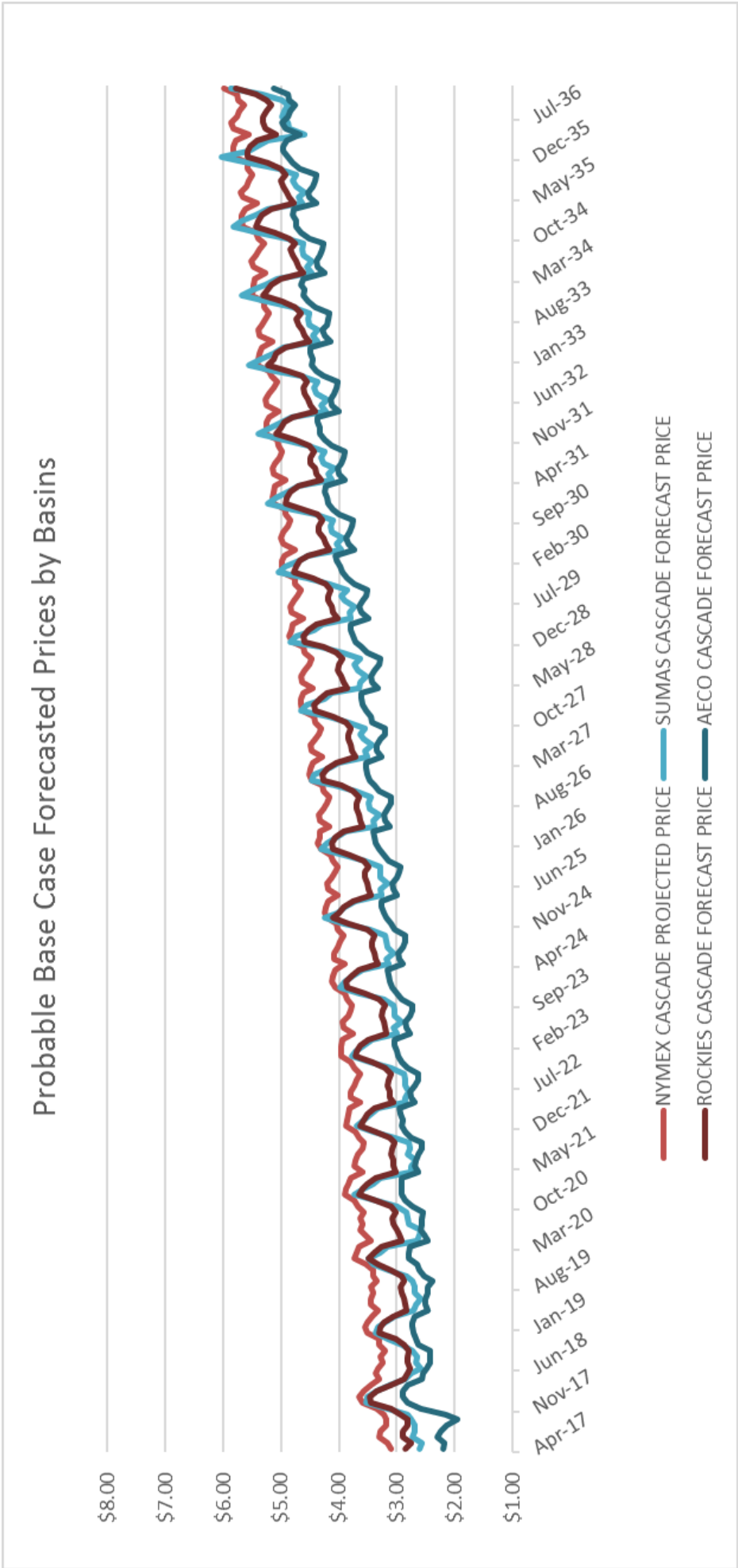




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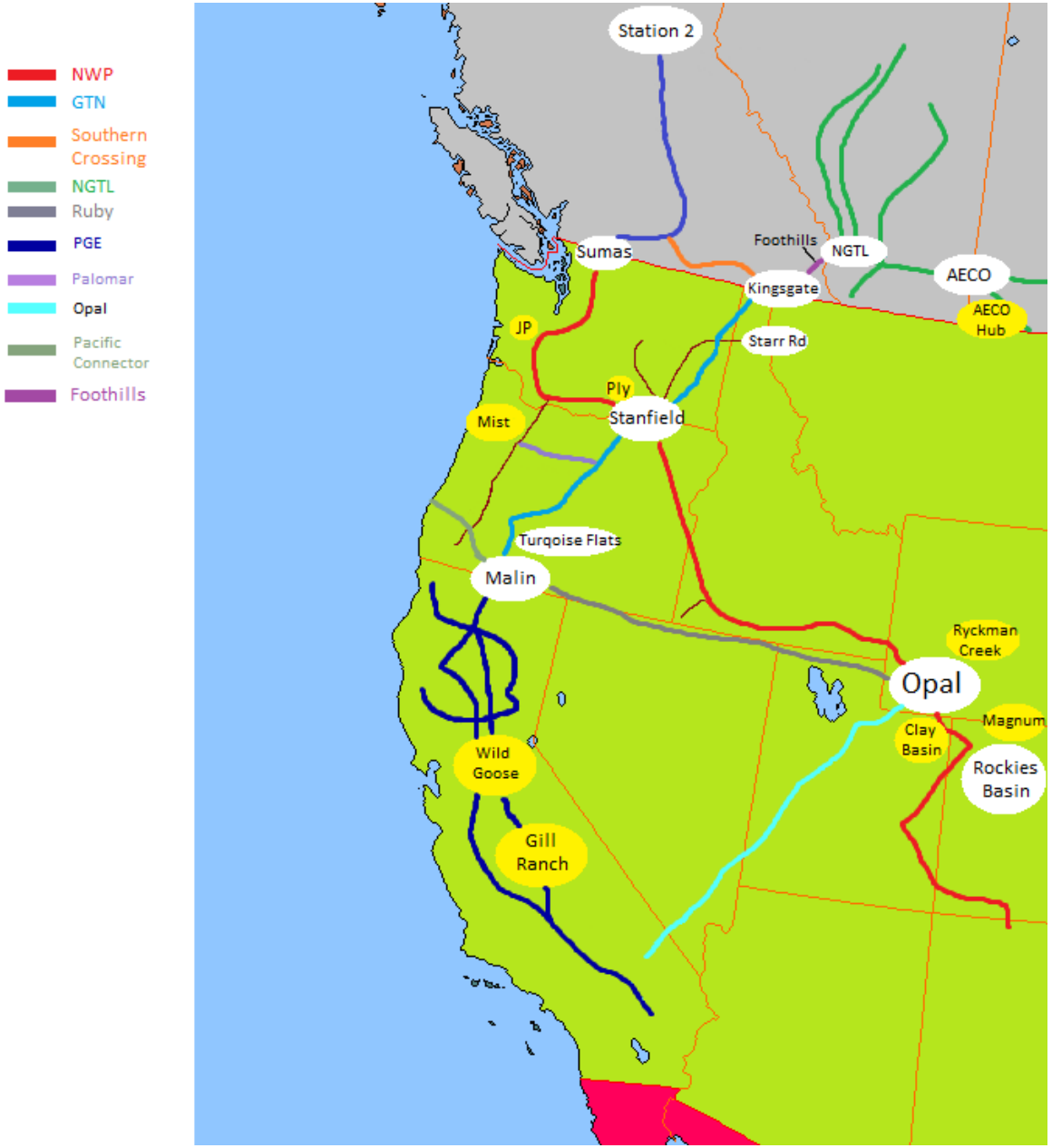
# Alternative Resources

# Major Resource Issues on the Horizon

- Once a deficiency is identified, Cascade must analyze potential solutions to ensure service over the planning horizon.
- Conversations with partners at various pipelines, storage facilities, new supply sources.
- SENDOUT® is used to ultimately derive the optimal mix of resources, referred to as the "preferred portfolio".

# Location of Current & Alternative Resources



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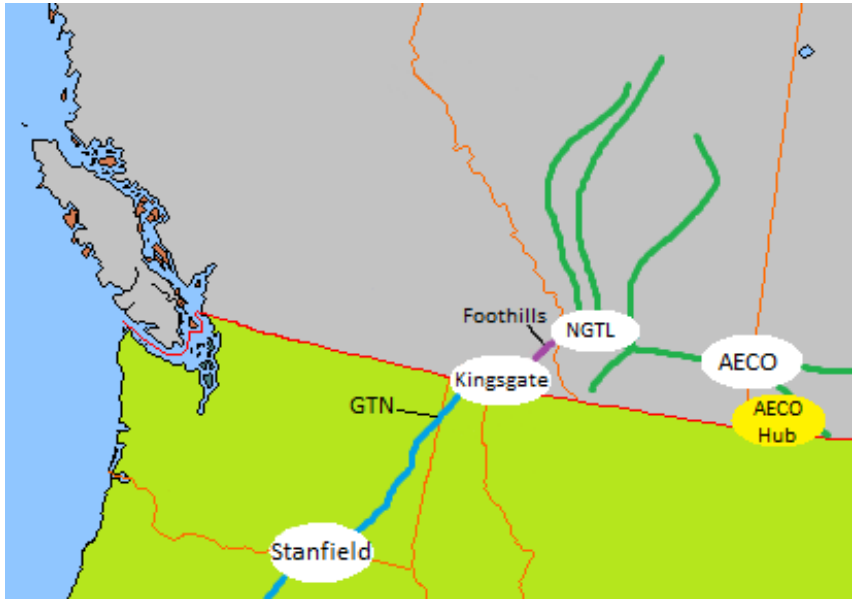
# Incremental Transport – North to South

- Incremental NGTL – Additional capacity to move gas from AECO basin to Alberta/BC border
- Incremental Foothills – Additional capacity to move gas from Alberta/BC border to Kingsgate
- Incremental GTN N/S – Additional capacity to move gas from Kingsgate to various citygates along GTN



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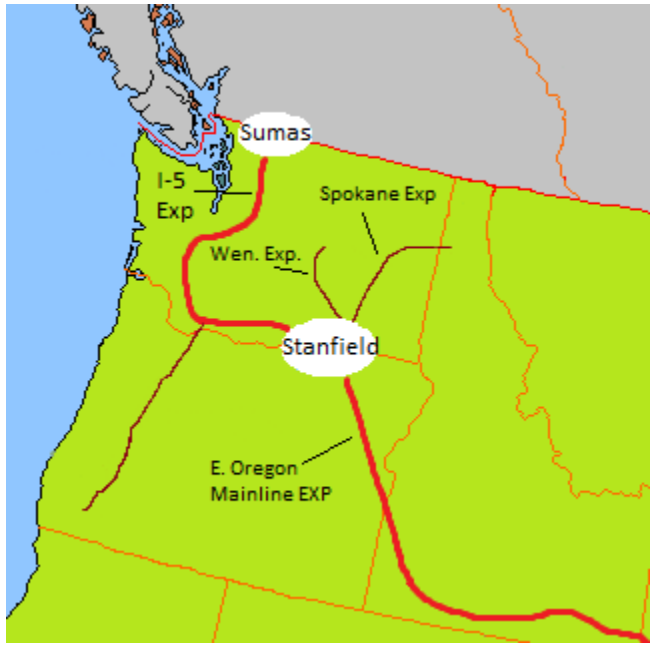
# Incremental Transport – Northwest Pipeline

- I-5 Mainline Expansion – Additional capacity to move gas along I-5 corridor in western Washington
- Wenatchee Lateral Expansion – Additional capacity to move gas along Wenatchee Lateral to central Washington
- Spokane Lateral Expansion – Additional capacity to move gas along Spokane Lateral to eastern Washington
- Eastern Oregon Mainline Expansion – Additional capacity to move gas along Eastern Oregon Lateral to Oregon citygates

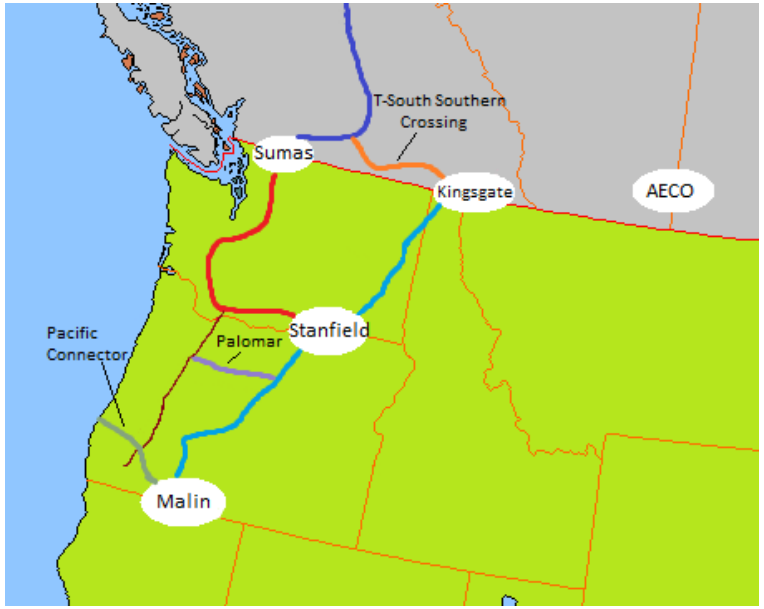


# Incremental Transport – South to North

Incremental Opal– Additional capacity to move gas from Utah to Opal
Incremental Ruby – Additional capacity to move gas from Rockies Basin to Turquoise Flats
Incremental GTN S/N – Additional capacity to move gas from Turquois Flats to various citygates along GTN

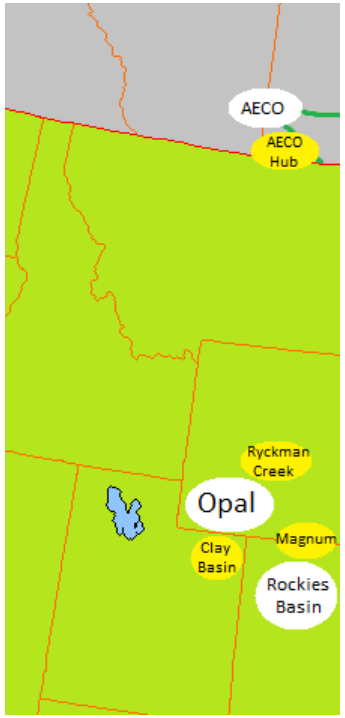
# Incremental Transport – Bilateral

- T-South Southern Crossing – Price arbitrage opportunity to move gas between Sumas and AECO basins bilaterally
- Trails West (Palomar) – Additional capacity to move Rockies gas to the I-5 corridor
- Pacific Connector – Pipeline that will feed LNG facility on Oregon coast, increasing liquidity at Malin



# Incremental Storage - North and East

- Ryckman Creek Storage – Additional storage in southwest Wyoming serving the system, primarily Oregon
- Magnum Storage – Additional storage near Rocky Mountains, serving the system, primarily Oregon
- AECO Hub Storage – Additional storage near AECO Hub, serving the system
- Clay Basin Storage – Additional storage near Opal, serving the system



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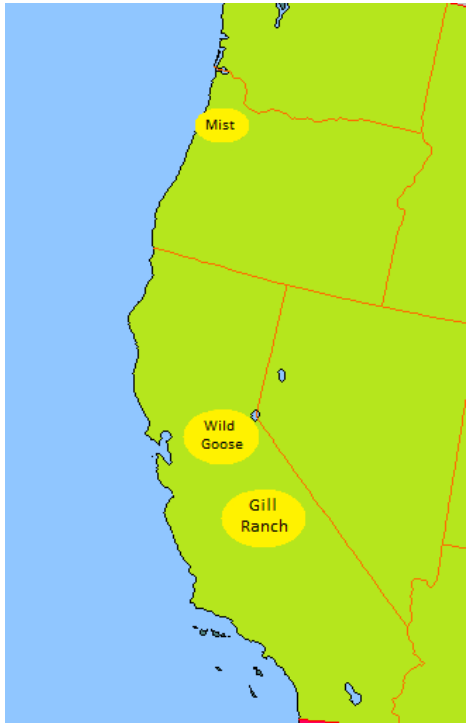
# Incremental Storage - South and West

- Gill Ranch Storage – Additional storage in central California, serving the system, primarily Oregon
- Mist Storage – Additional storage in northern Oregon, serving the system, primarily Washington
- Wild Goose Storage – Additional storage in northern California, serving the system, primarily Oregon



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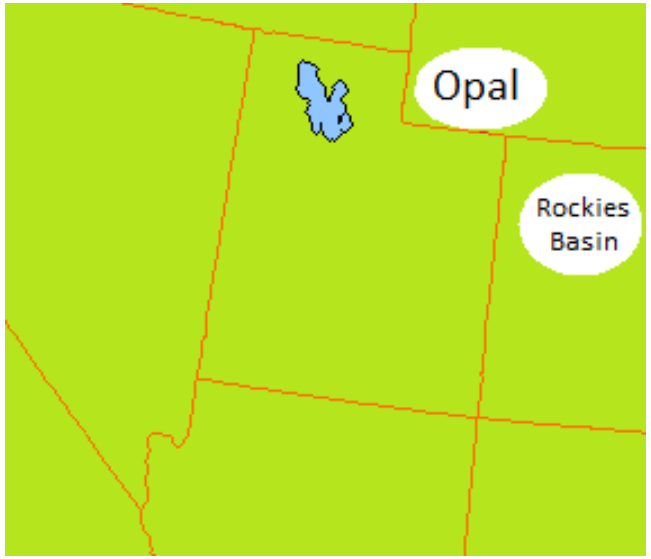
# Incremental Supplies

- Incremental Opal Supply – Additional supply around the Rockies Basin
- Renewable Natural Gas – Incremental biogas supply directly to distribution system



# Candidate Portfolios

# Portfolio Summary

| | GTN | No GTN |
|---|---|---|
| **NWP** | • ALL-IN | • NWP Only<br>• NWP Only w/ Storage |
| **No NWP** | • GTN Only<br>• GTN Only w/ Storage | • Only Storage |



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# Portfolio Components

| | All In | Incremental GTN | Incremental GTN & Storage | Incremental NWP | Incremental NWP & Storage | Storage Only |
|---|---|---|---|---|---|---|
| Incremental NGTL | X | X | X | | | |
| Incremental Foothills | X | X | X | | | |
| Incremental GTN N/S | X | X | X | | | |
| I-5 Expansion | X | | | X | X | |
| Wenatchee Lateral | | | | | | |
| Spokane Expansion | | | | X | X | |
| Eastern OR Expansion | | | | | | |
| Incremental Opal | | | | | | |
| Incremental Ruby | | | | | | |
| Incremental GTN S/N | | | | | | |
| T-South Southern Crossing | | | | | | |
| Trails West (Palomar) | | | | | | |
| Pacific Connector | | | | | | |
| Ryckman Creek Storage | | | X | | X | X |
| Magnum Storage | | | | | | |
| AECO Hub Storage | | | | | | |
| Clay Basin Storage | | | | | | |
| Gill Ranch Storage | | | | | | |
| Mist Storage | | | | | | |
| Wild Goose Storage | | | | | | |
| Incremental Opal Supply | | | | | | |
| Renewable Natural Gas | | | | | | |

# All In Portfolio

- Deterministic optimum mix of all evaluated resources, including incremental transportation on NWP & GTN, and all regional storage facilities.
- Components:
  - Incrm GTN: 10,200 Dths by Nov. 2027, escalating to 25,021 Dths by Nov. 2037
  - Incrm Fthls: 25,908 Dths by Nov. 2037
  - Incrm I-5 Exp: 17,469 Dths by Nov. 2027, escalating to 41,035 Dths by Nov. 2037
  - Incrm Nova: 36,246 Dths by Nov. 2037

# Incremental GTN & Storage Portfolio

- Deterministic optimum mix of incremental transportation on GTN and all regional storage facilities.
- Components:
  - Incrm GTN: 21,218 Dths by Nov. 2027, escalating to 43,490 Dths by Nov. 2037
  - Incrm Fthls: 48,783 Dths by Nov. 2027
  - Incrm Nova: 6,364 Dths by Nov. 2027, escalating to 59,121 Dths by Nov. 2037
  - Incrm Ryckman Creek: 1,000 Dths by Nov. 2027

# Incremental GTN Only

- Deterministic optimum mix of incremental transportation on GTN .
- Components:
  - Incrm GTN: 21,218 Dths by Nov. 2027, escalating to 43,490 Dths by Nov. 2037
  - Incrm Fthls: 48,783 Dths by Nov. 2027
  - Incrm Nova: 6,364 Dths by Nov. 2027, escalating to 59,121 Dths by Nov. 2037

# Incremental NWP & Storage Portfolio

- Deterministic optimum mix of incremental transportation on NWP and all regional storage facilities.
- Components:
  - Incrm I-5 Exp: 7,531 Dths by Nov. 2027, escalating to 37,321 Dths by Nov. 2037
  - Incrm Spokane Exp: 14,794 Dths by Nov. 2037
  - Incrm Ryckman Creek: 1,000 Dths by Nov. 2027

# Incremental NWP Only

- Deterministic optimum mix of incremental transportation on NWP.
- Components:
  - Incrm I-5 Exp: 7,531 Dths by Nov. 2027, escalating to 37,321 Dths by Nov. 2037
  - Incrm Spokane Exp: 14,794 Dths by Nov. 2037

# Incremental Storage Only

- Deterministic optimum mix of incremental regional storage facilities.
- Components:
  - Incrm Ryckman Creek: 1,000 Dths by Nov. 2027

# Final Ranking – Mean and VaR

| | Total System Cost | | Unserved Demand | |
|---|---|---|---|---|
| **Portfolios** | **Mean ($000)** | **VaR ($000)** | **Mean (Mdts)** | **VaR (Mdts)** |
| All-In | 3,730,375 | 3,761,824 | 0 | 0 |
| Incrm GTN | 3,605,874 | 3,636,062 | 36.04 | 92.46 |
| Incrm GTN with Storage | 3,607,897 | 3,638,312 | 36.04 | 92.46 |
| Storage Only | 3,741,640 | 3,772,235 | 46.35 | 86.65 |
| Incrm NWP with Storage | 3,763,508 | 3,794,217 | 46.06 | 86.64 |
| Incrm NWP | 3,763,540 | 3,795,170 | 46.06 | 86.55 |



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# Candidate Portfolio - All In Portfolio

- Deterministic optimum mix of all evaluated resources, including incremental transportation on NWP & GTN, and all regional storage facilities.
- Components:
  - Incrm GTN – 10,200 Dths by Nov. 2027, escalating to 25,021 Dths by Nov. 2037
  - Incrm Fthls – 25,908 Dths by Nov. 2037
  - Incrm I-5 Exp – 17,469 Dths by Nov. 2027, escalating to 41,035 Dths by Nov. 2037
  - Incrm Nova – 36,246 Dths by Nov. 2037

# Scenarios and Sensitivities

# Monte Carlo Simulations

- Monte Carlo Scenarios – Weather
- Monte Carlo Sensitivities – NYMEX price
- Why not Monte Carlo on both together?

# Monte Carlo – Weather

- Using historical weather, we had SENDOUT run 200 simulations to stress test our candidate portfolio over a variety of different scenarios.
- In each scenario, we are testing to confirm that the mean and VaR are within acceptable limits as set by Cascade's Gas Supply Oversight Committee.
- This ensures that our expected resource portfolio is still the optimal choice even in extreme weather situations.

# Low Growth and High Growth

| | KEY ELEMENTS IN SENDOUT SCENARIO | | |
|---|---|---|---|
| | Low Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
| Low Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO | | |
|---|---|---|---|
| | High Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
| High Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Limit JP and Limit Ply Storage

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - JP | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |



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# Limit Both Storage and No JP

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| Limit Storage - Both | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - JP | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# No Ply Storage and No Storage

| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

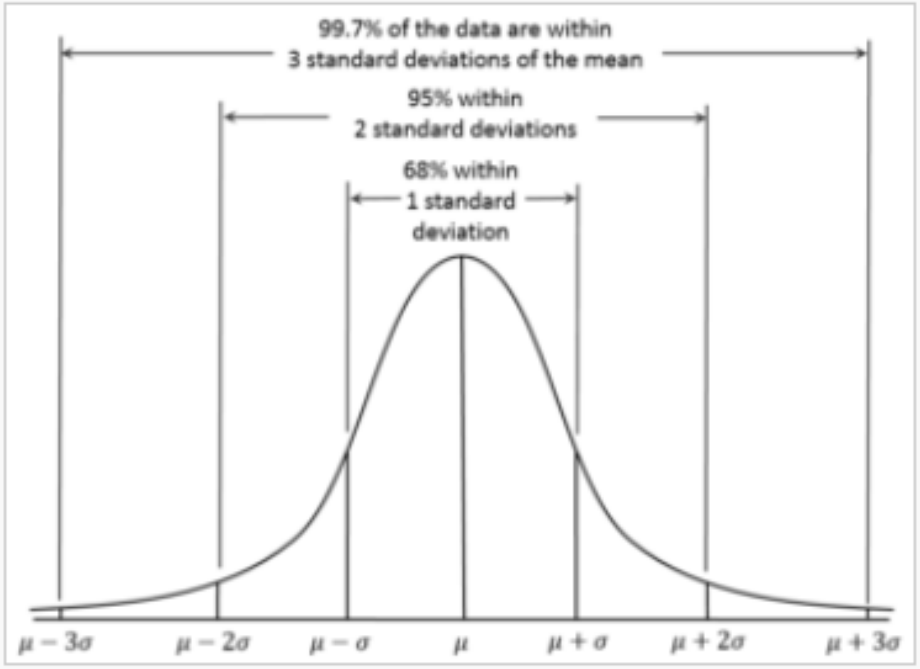
| | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in RED mean those elements were excluded from the scenario. All items in BLUE mean those elements were dampened in the scenario. | | |
|---|---|---|---|
| No Storage - Both | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NGTL** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** |
| | **Current Foothills** | **PLY-1** | **KINGSGATE Base** |
| | **Current Ruby** | **PLY-2** | **OPAL Base** |
| | | | **STAT2 Base** |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | |
| | ***T-South-So Crossing*** | | |
| | ***Trails West (Palomar)*** | | |
| | ***NWP East OR Mainline EXP*** | | |
| | ***Incremental GTN S-N*** | | |
| | ***Incremental Enbridge*** | | |
| | ***Pacific Connector*** | | |

# Monte Carlo Weather – Normal Distribution

| | JAN 2014 | FEB 2014 | MAR 2014 | APR 2014 | MAY 2014 | JUN 2014 | JUL 2014 |
|---|---|---|---|---|---|---|---|
| HDD Mean | 1031.8 | 804.1 | 639.6 | 453.9 | 254.2 | 92.6 | 10.3 |
| HDD Std Dev | 145.4 | 133.1 | 84.4 | 93.0 | 72.2 | 40.4 | 15.2 |
| HDD Distribution | Normal | | | | | | |
| HDD Max | 1291 | 1242 | 841 | 641 | 426 | 170 | 75 |
| HDD Min | 772 | 568 | 448 | 254 | 92 | 19 | 0 |
| CDD Mean | | | | | | | |
| CDD Std Dev | | | | | | | |
| CDD Distribution | | | | | | | |
| CDD Max | | | | | | | |
| CDD Min | | | | | | | |
| Scaling Year | Best Match | | | | | | |

# Monte Carlo Weather – Normal Distribution

- When following a normal distribution your data will follow the 68%, 95%, 99.7% rule like in the below diagram.

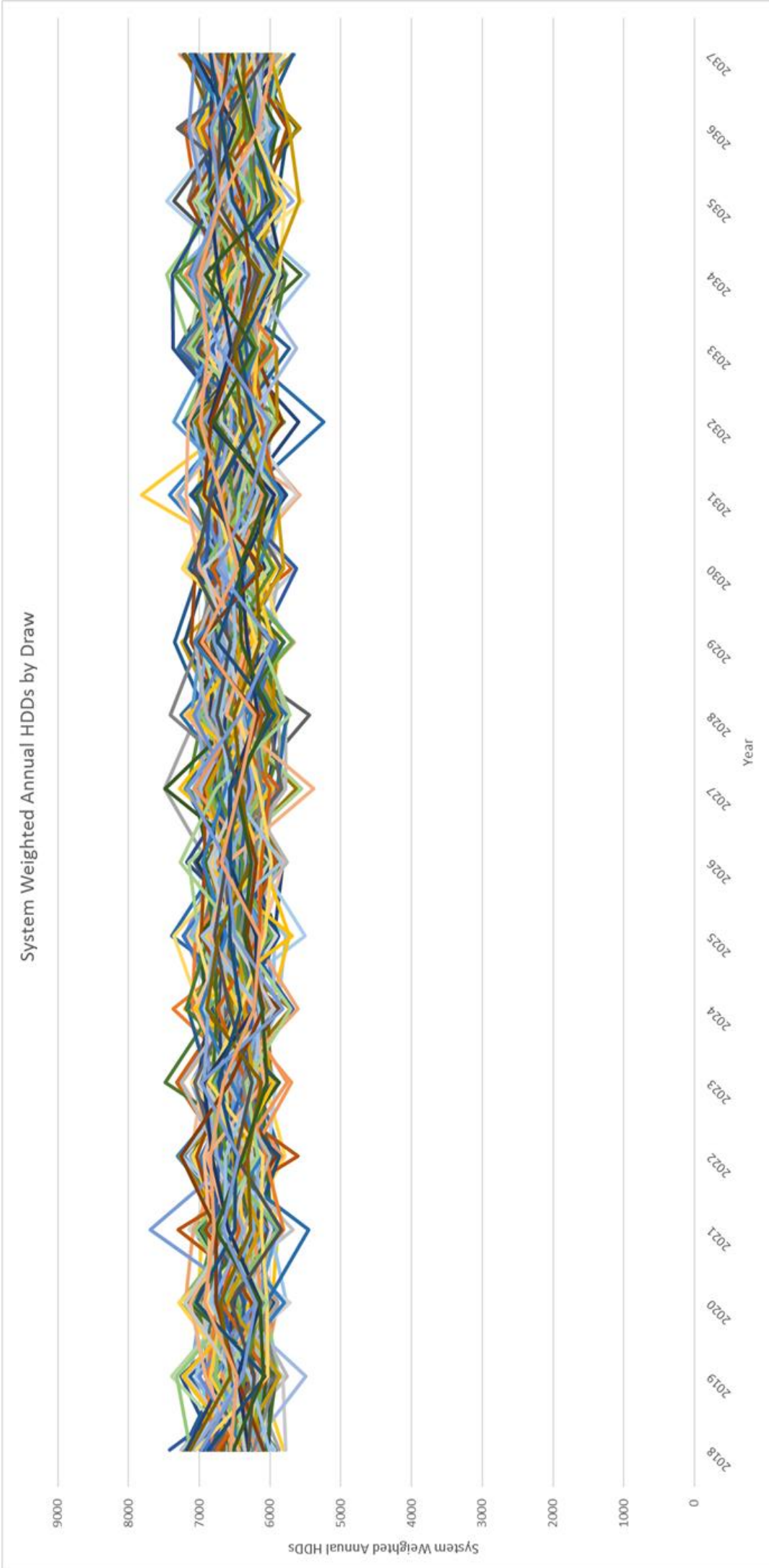



For the normal distribution, the values less than one standard deviation away from the mean account for 68.27% of the set; while two standard deviations from the mean account for 95.45%; and three standard deviations account for 99.73%.

# Monte Carlo Weather – Normal Distribution

- To build our monthly inputs for SENDOUT we analyze our 30 data samples for each weather location which are the monthly HDD totals for the years 1987-2016. After getting the mean and standard deviation we can compute how many data samples fall within each range of standard deviations.

| | All Months Combined |
|---|---|
| Within 1 Std Dev | 69% |
| Within 2 Std Dev | 96% |
| Within 3 Std Dev | 99.4% |



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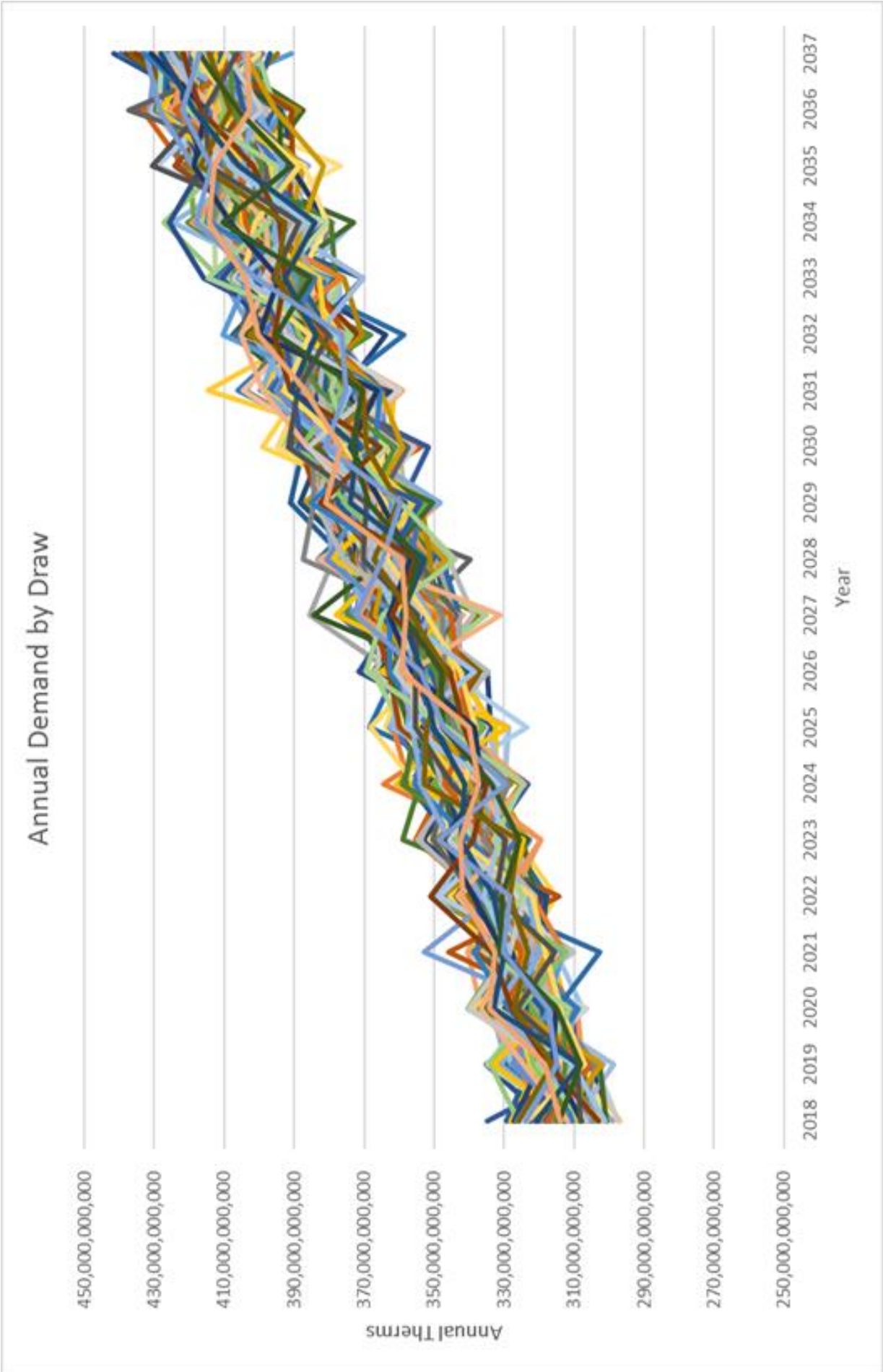




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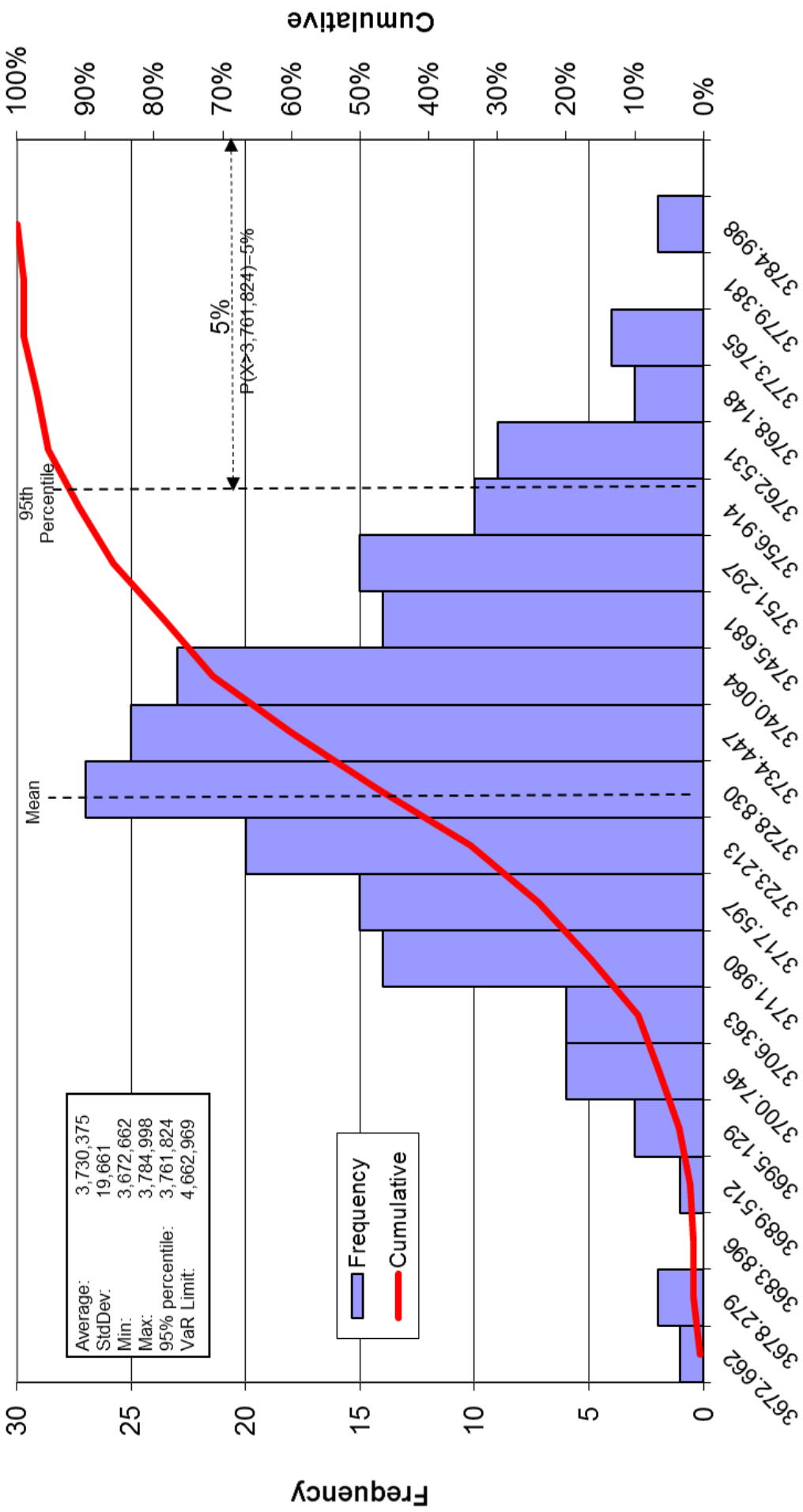
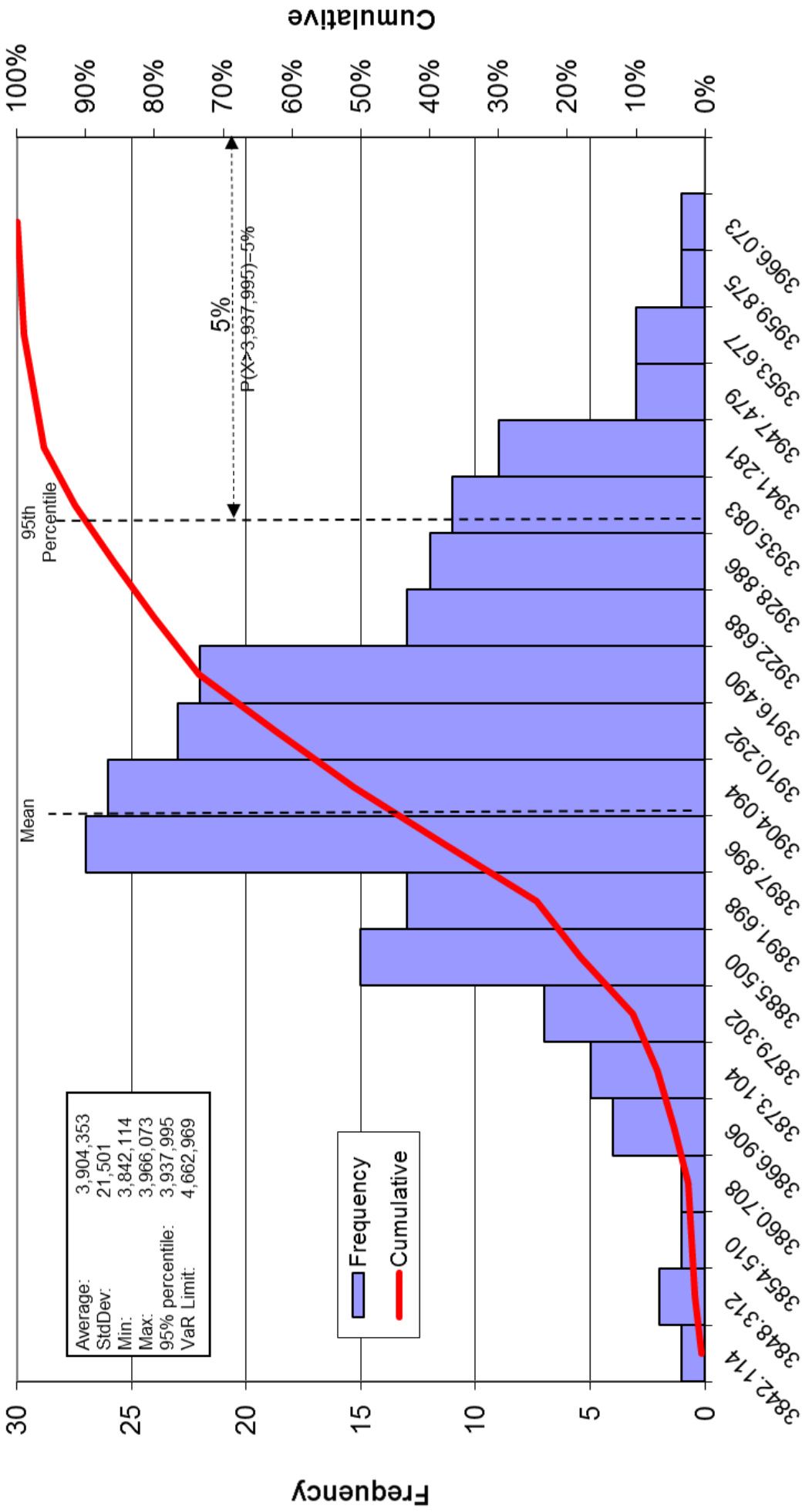
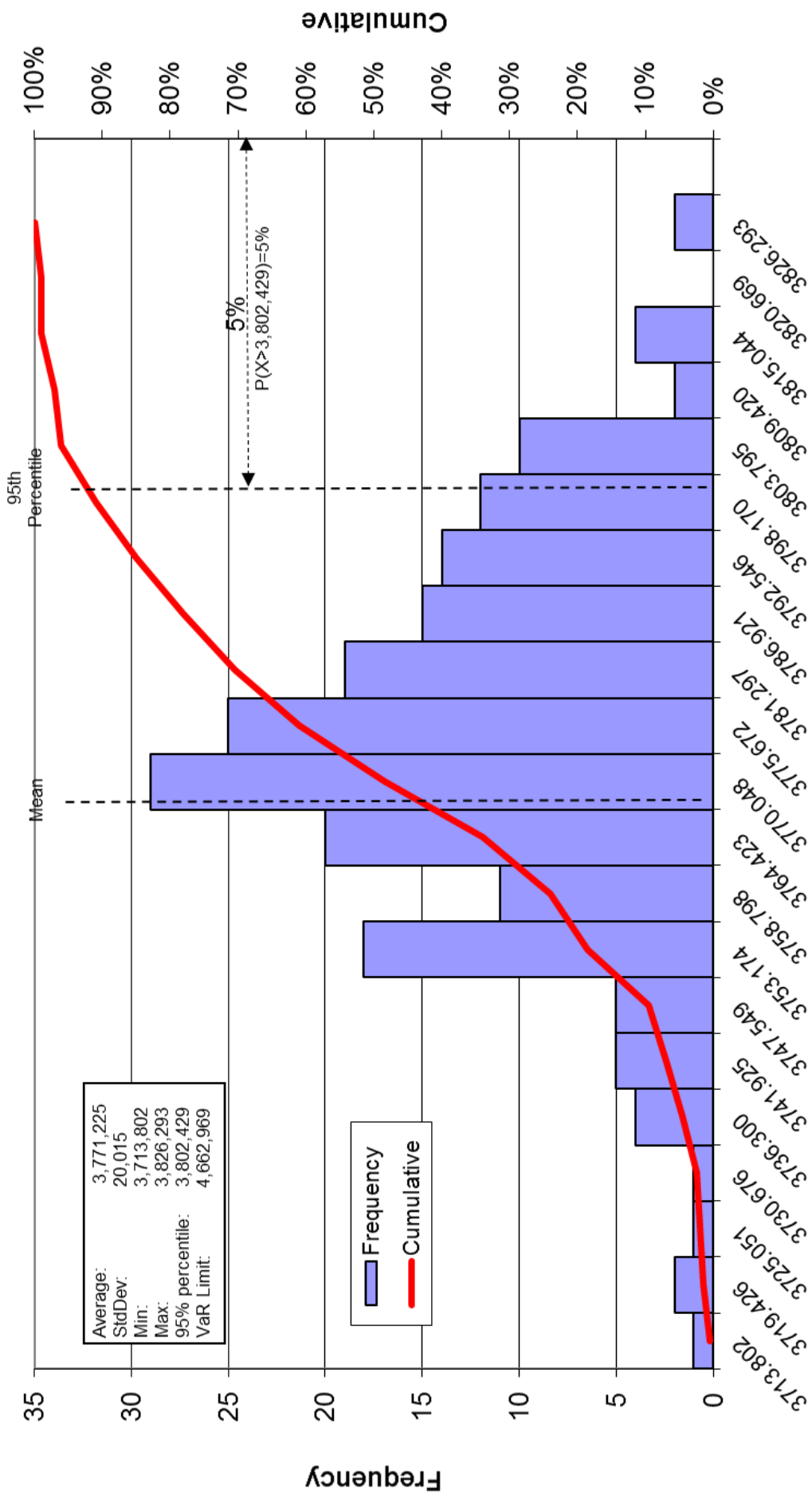
# Total System Cost for All-in Portfolio



# Total System Cost w/ High Growth



# Total System Cost w/ limited JP Storage

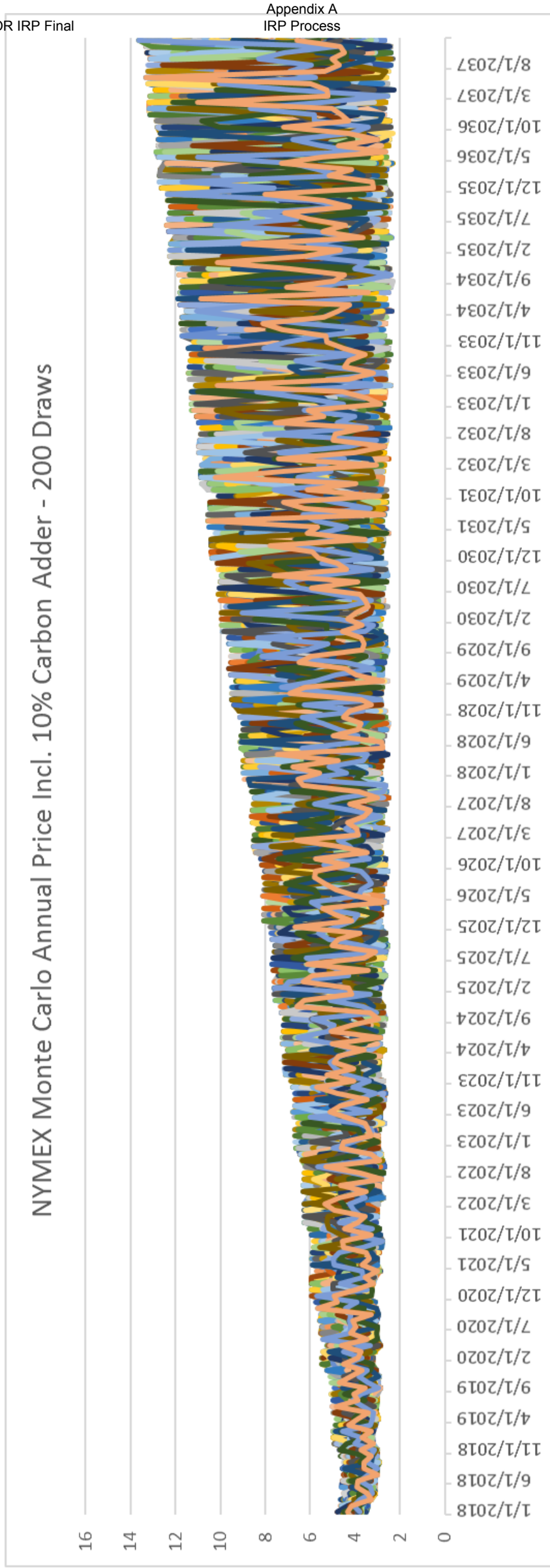


# Monte Carlo – NYMEX Price

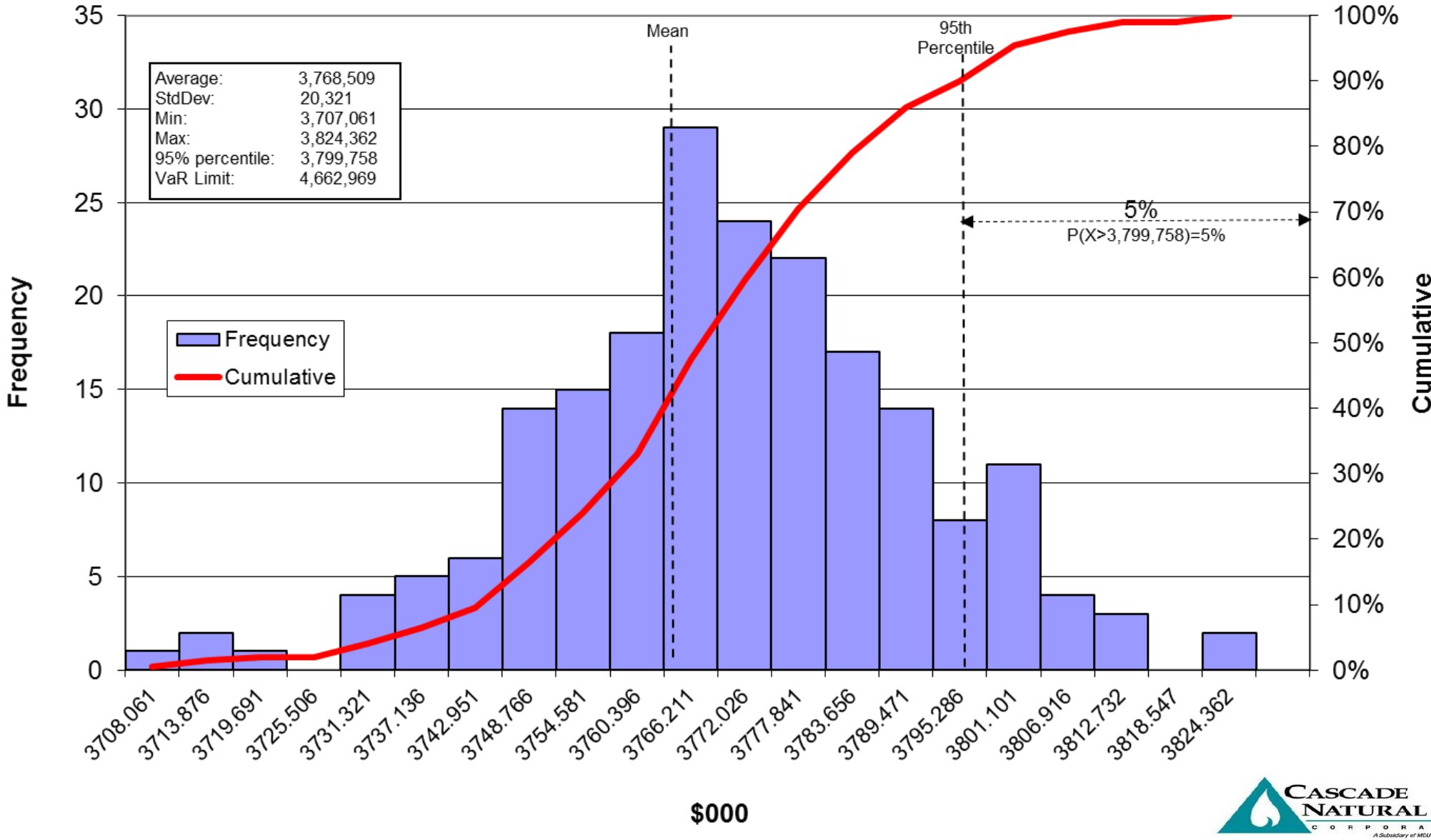
- Using our 20 year price forecast as the mean value for the NYMEX market, we had SENDOUT run 200 simulations to stress test our expected case over a variety of different pricing environments.
- In each sensitivity test, we are testing to confirm that the mean and VaR are within acceptable limits as set by Cascade's Gas Supply Oversight Committee.
- This ensures that our expected resource portfolio is still the optimal choice even in extreme pricing situations.

# Sensitivities Analysis

| Sensitivities | | Assumptions |
|---|---|---|
| Price | High | Medium Load Growth, Average Weather with Peak Event, High Gas Price Environment |
| | Base | Medium Load Growth, Average Weather with Peak Event, Expected Gas Price Environment |
| | Low | Medium Load Growth, Average Weather with Peak Event, Low Gas Price Environment |
| Carbon Adder | 10% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 10% Adder for Unknown Regulatory Impacts |
| | 20% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 20% Adder for Unknown Regulatory Impacts |
| | 30% | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with 30% Adder for Unknown Regulatory Impacts |
| Per Ton | $10 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $10 per ton Carbon Tax |
| | $20 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $20 per ton Carbon Tax |
| | $30 | Medium Load Growth, Average Weather with Peak Event, Medium Gas Price Environment with $30 per ton Carbon Tax |


NYMEX Monte Carlo Annual Price Incl. 10% Carbon Adder - 200 Draws
16
14
12
10
8
6
4
2
0
1/1/2018
6/1/2018
11/1/2018
4/1/2019
9/1/2019
2/1/2020
7/1/2020
12/1/2020
5/1/2021
10/1/2021
3/1/2022
8/1/2022
1/1/2023
6/1/2023
11/1/2023
4/1/2024
9/1/2024
2/1/2025
7/1/2025
12/1/2025
5/1/2026
10/1/2026
3/1/2027
8/1/2027
1/1/2028
6/1/2028
11/1/2028
4/1/2029
9/1/2029
2/1/2030
7/1/2030
12/1/2030
5/1/2031
10/1/2031
3/1/2032
8/1/2032
1/1/2033
6/1/2033
11/1/2033
4/1/2034
9/1/2034
2/1/2035
7/1/2035
12/1/2035
5/1/2036
10/1/2036
3/1/2037
8/1/2037

# Total System Cost w/ High Price



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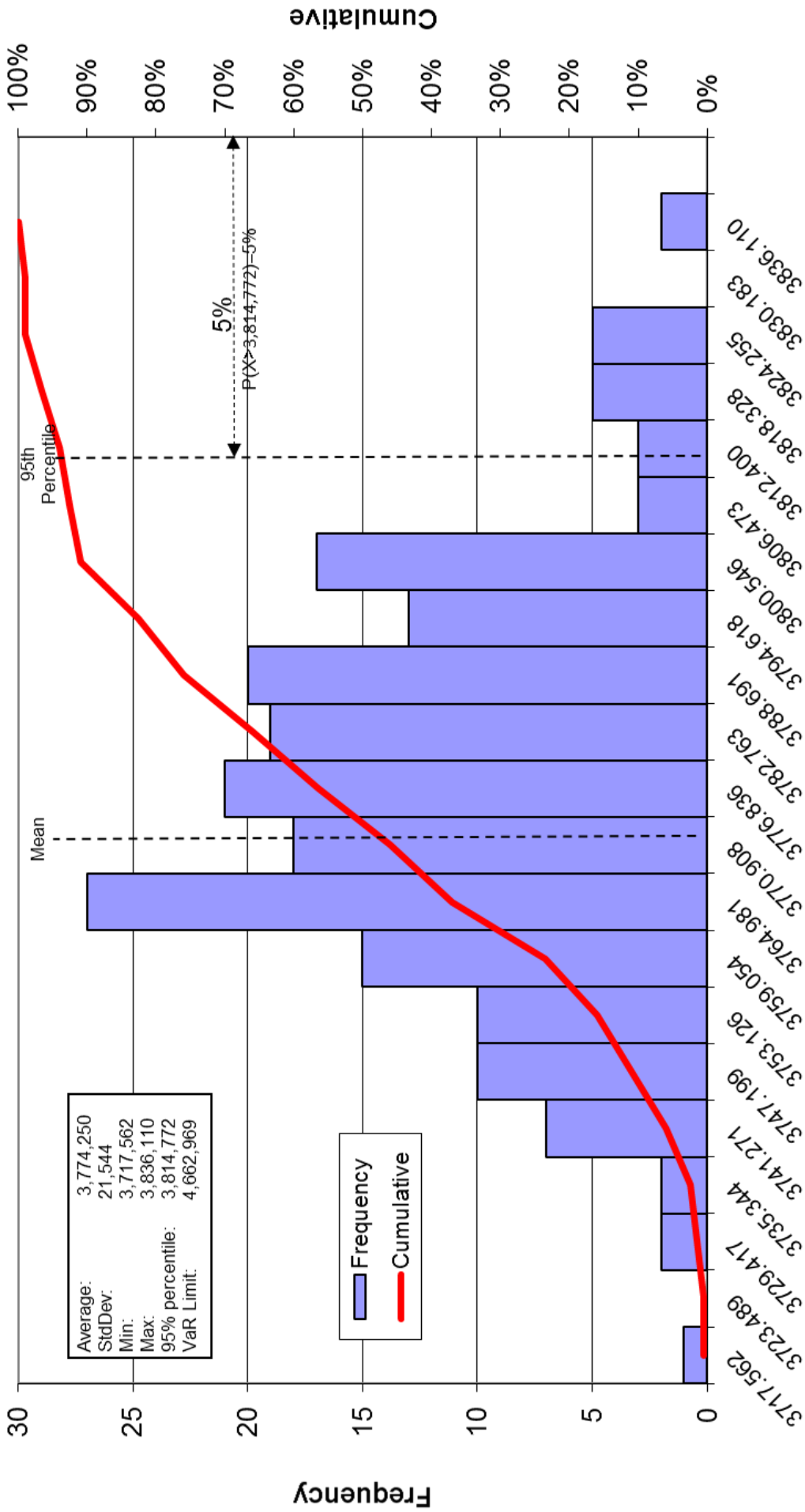
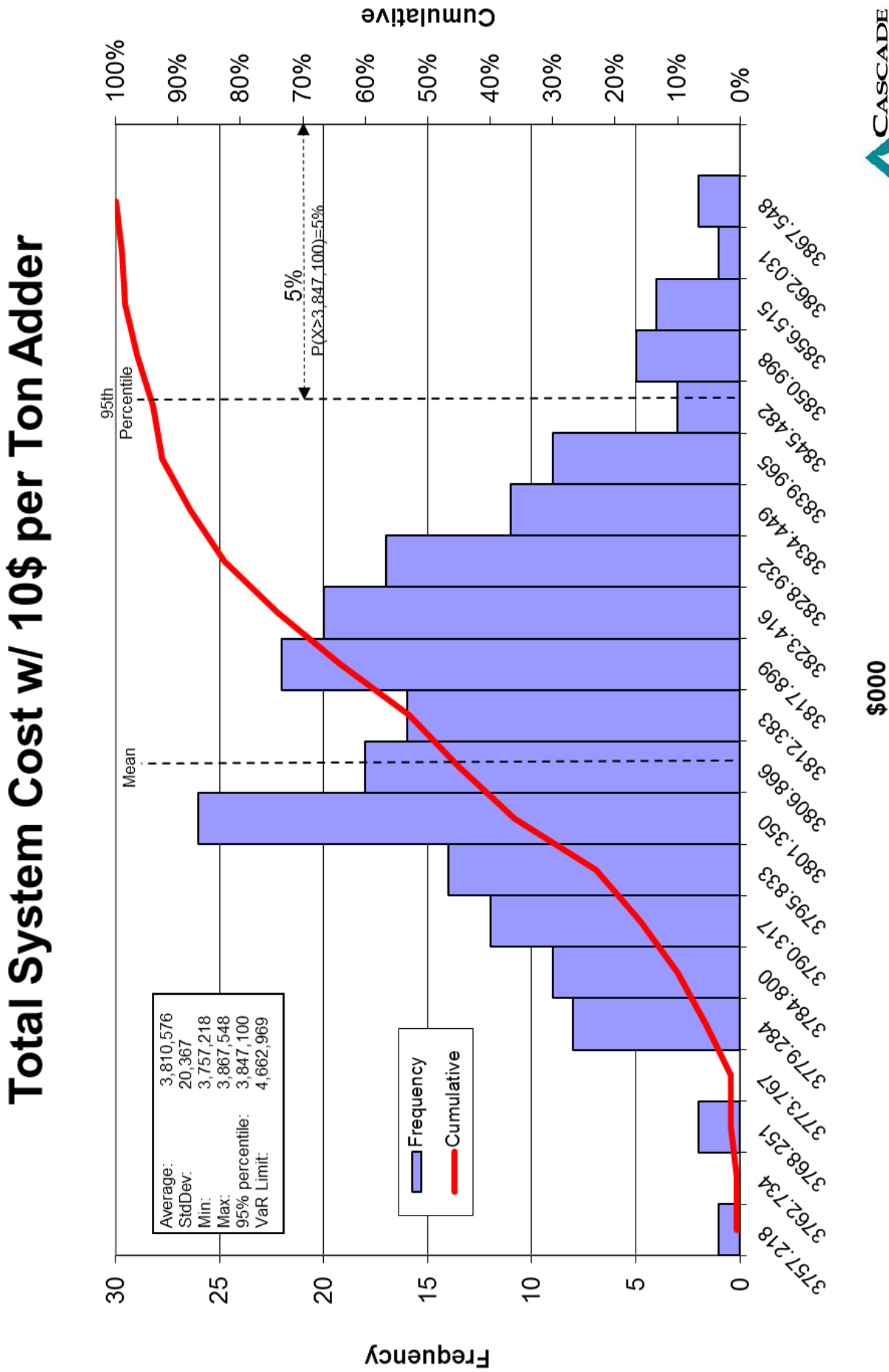
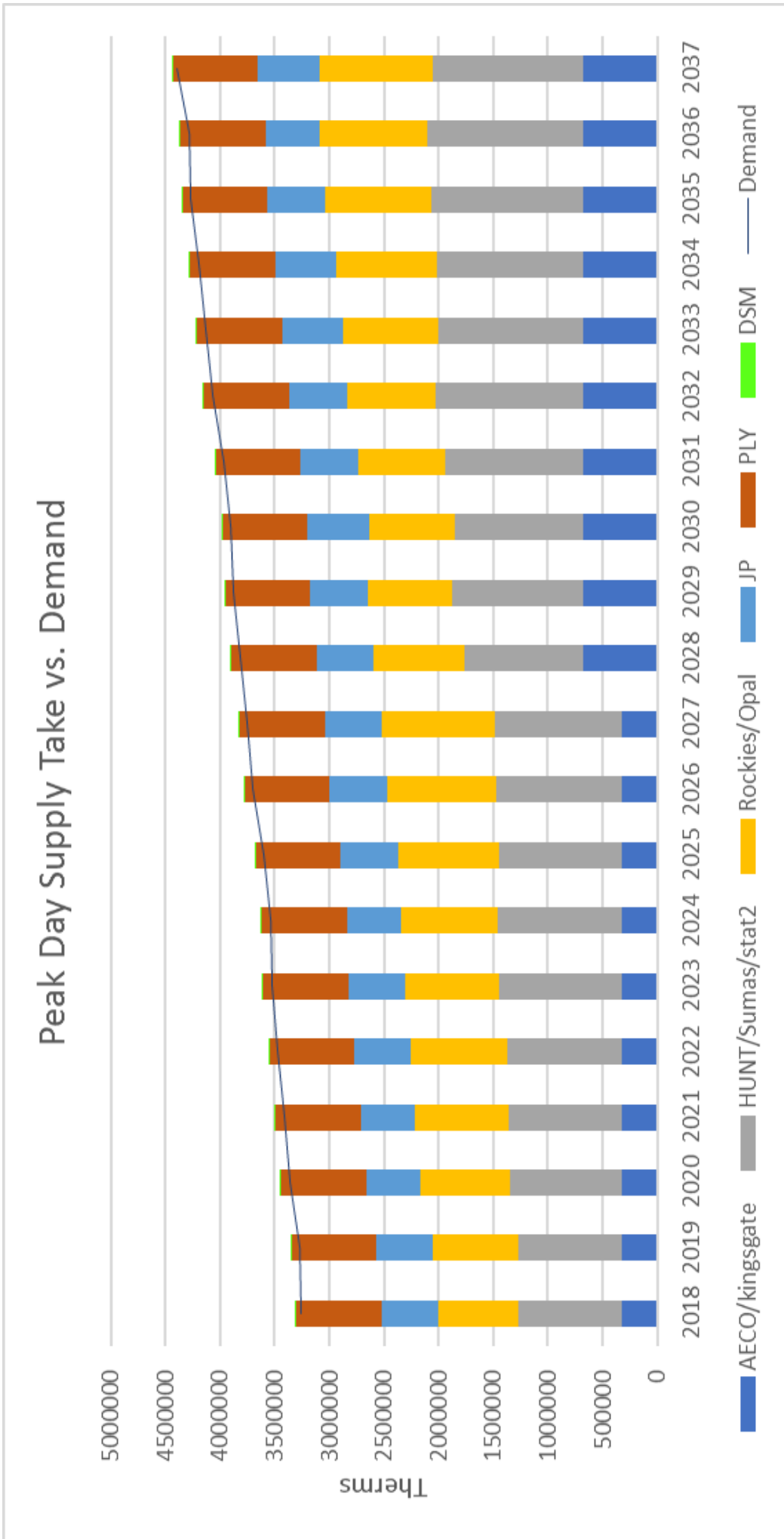
# Total System Cost w/ 10% Carbon Adder




Total System Cost w/ 10$ per Ton Adder
Average: 3,810,576
StdDev: 20,367
Min: 3,757,218
Max: 3,867,548
95% percentile: 3,847,100
VaR Limit: 4,662,969
Mean
95th Percentile
5%
P(X>3,847,100)=5%
Frequency
Cumulative
Frequency
Cumulative
$000
0
5
10
15
20
25
30
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
3757.218
3762.734
3768.251
3773.767
3779.284
3784.800
3790.317
3795.833
3801.350
3806.866
3812.383
3817.899
3823.416
3828.932
3834.449
3839.965
3845.482
3850.998
3856.515
3862.031
3867.548

# Scenario/Sensitivity Analysis ($000)

| Scenarios and Sensitivities | Mean Total System Cost | VaR Total System Cost | Distance From VaR Limit |
|---|---|---|---|
| Low Growth | 3,558,879 | 3,586,974 | 1,075,995 |
| All-in Low Price | 3,677,101 | 3,706,370 | 956,598 |
| All-in Base Price | 3,730,375 | 3,761,824 | 901,145 |
| Limit Ply | 3,735,878 | 3,767,042 | 895,927 |
| No Storage - Ply | 3,735,878 | 3,767,042 | 895,927 |
| All-in High Price | 3,768,059 | 3,799,758 | 863,210 |
| Limit JP | 3,771,225 | 3,802,429 | 860,540 |
| 10% Carbon Adder | 3,774,250 | 3,814,772 | 848,196 |
| Limit Both JP and Ply | 3,781,513 | 3,813,037 | 849,932 |
| No Storage - JP | 3,786,551 | 3,817,561 | 845,408 |
| No Storage - Both JP and Ply | 3,806,273 | 3,843,720 | 819,249 |
| 10$ Per Ton Adder | 3,810,576 | 3,847,100 | 815,868 |
| 20% Carbon Adder | 3,845,766 | 3,880,357 | 782,612 |
| 20$ Per Ton Adder | 3,901,711 | 3,933,235 | 729,733 |
| High Growth | 3,904,353 | 3,937,995 | 724,974 |
| 30% Carbon Adder | 3,907,371 | 3,938,963 | 724,006 |
| 30$ Per Ton Adder | 3,978,920 | 4,006,628 | 656,341 |



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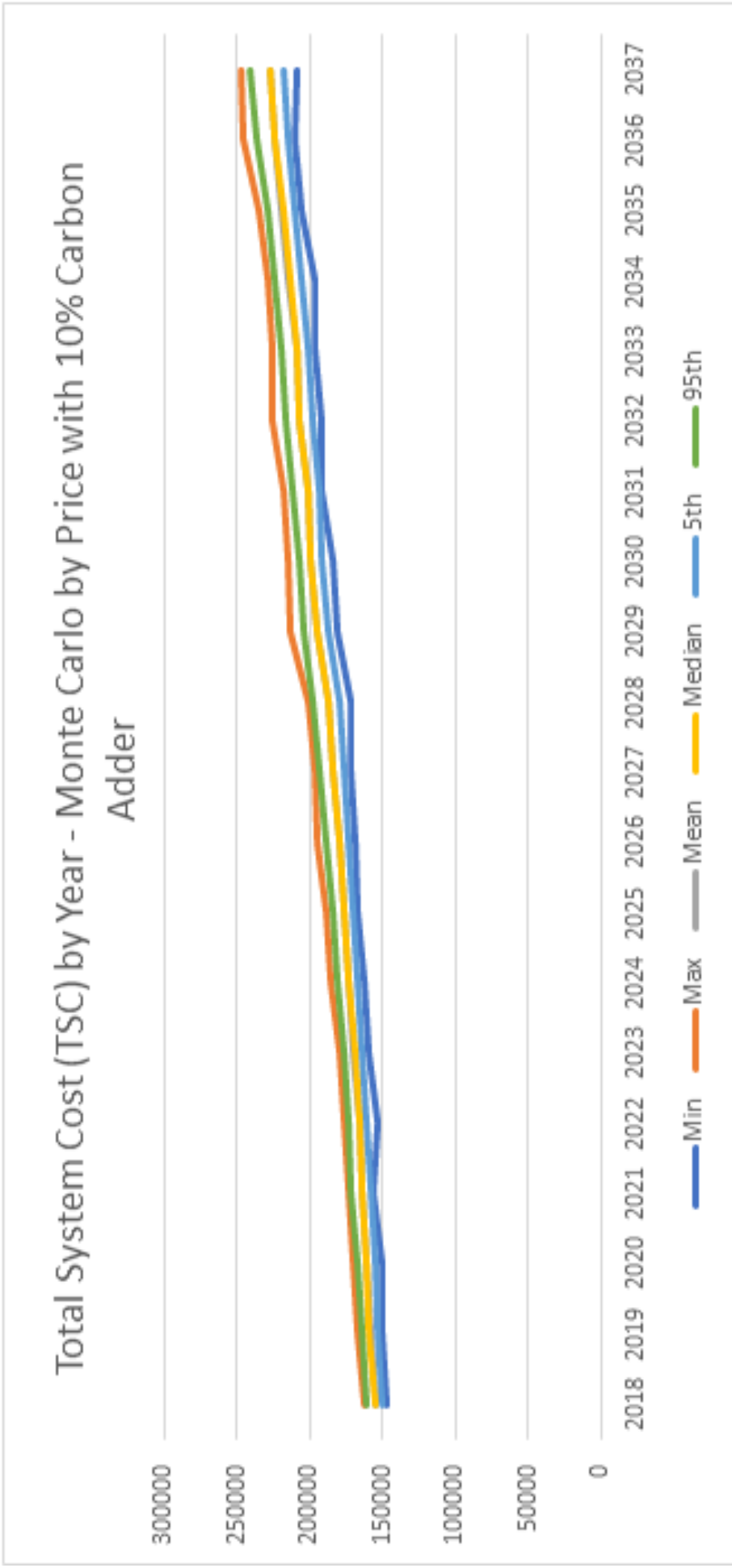




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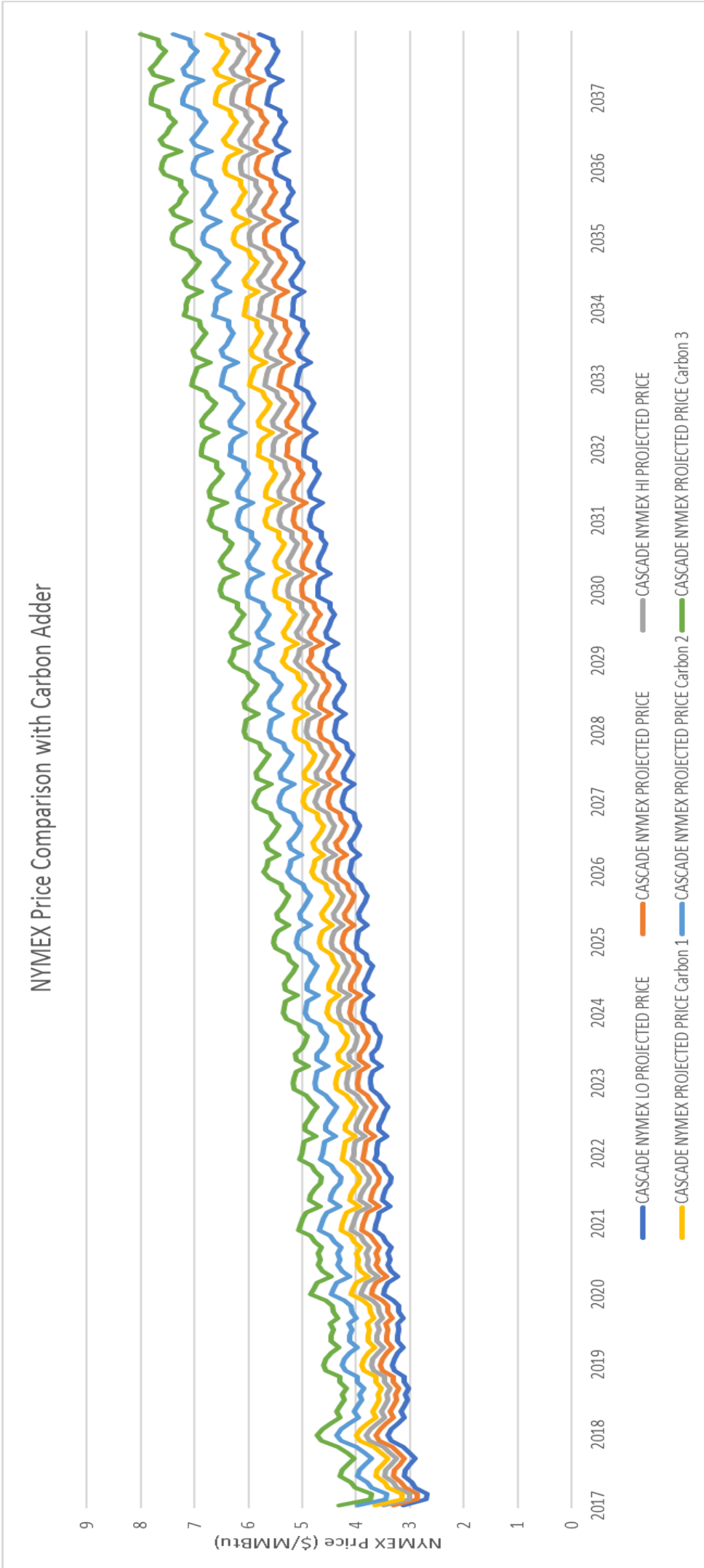
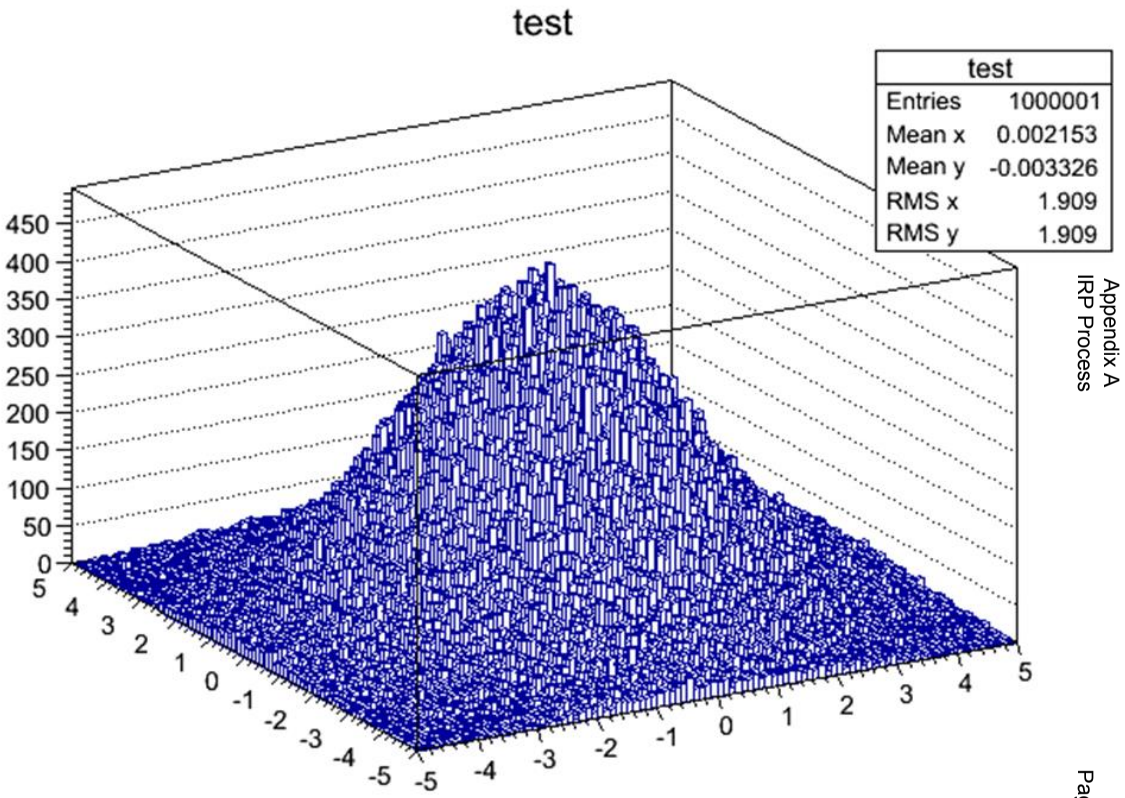

NYMEX Price Comparison with Carbon Adder
NYMEX Price ($/MMBtu)
0
1
2
3
4
5
6
7
8
9
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
CASCADE NYMEX LO PROJECTED PRICE
CASCADE NYMEX PROJECTED PRICE
CASCADE NYMEX HI PROJECTED PRICE
CASCADE NYMEX PROJECTED PRICE Carbon 1
CASCADE NYMEX PROJECTED PRICE Carbon 2
CASCADE NYMEX PROJECTED PRICE Carbon 3

# Why not Monte Carlo Price AND Weather?

- What happens when we look at drawing on both price and weather at the same time?

- We can imagine a 3 dimensional histogram, instead of the 2 dimensional histograms on the previous pages. Filling this in takes many more draws.

- 200 draws of weather on the X axis and 200 draws of price on the Y axis might need 200 x 200 = 40,000 draws to fill in a histogram like this…



# 2018 IRP Timeline

| | | |
|---|---|---|
| Monday, November 6, 2017 | Draft of 2018 IRP distributed | |
| Tuesday, December 5, 2017 | Comments due on draft from all stakeholders | |
| Wednesday, December 20, 2017 | TAG 5, if needed | WebEx Only |
| Monday, January 22, 2018 | Executive Summary Presentation to Senior Management | Kennewick, WebEx |
| Thursday, January 25, 2018 | IRP filing in Oregon | |



CASCADE NATURAL GAS CORPORATION
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# Questions?

# Cascade Natural Gas Corporation

## 2018 Integrated Resource Plan
## Technical Advisory Group Meeting #4

Thursday, Oct. 19th, 2017
Oregon Public Utility Commission
Offices
Salem, OR

CASCADE NATURAL GAS CORPORATION
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**4th External TAG Meeting**

**Date & time:** 10/19/2017, 09:00 AM – 11:30 AM

**Location:** OPUC Offices in Salem, OR

**Presenters:** Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Ashton Davis & Ed Finklea

**In attendance**: Mark Sellers-Vaughn, Brian Robertson, Devin McGreal, Ashton Davis, Bruce Folsom, Deborah Glosser – OPUC, Lisa Gorsuch – OPUC, Paul Rosson – OPUC, JP Batmale – OPUC, Ed Finklea – NWIGU, Matthew Doyle - NWN, Teresa Hagins - NWP

**Called in**: Garret Senger, Jennifer Gross, Jeremy Ogden, Tom Pardee - AVA, Carolyn Stone

**Minutes by**: Carolyn P Stone

Garret welcomed everyone and stated he thought it would be a great session and he appreciated the dedication of the IRP Team and looking forward to input.

*Presentation #1* – Brian Robertson
**IRP Action Plan Update**

- Brian stated that there are no areas highlighted in yellow meaning there are NO updates from Tag #3 to Tag #4, however, there will be some changes to the narrative.

*Presentation #2* – Ed Finklea
**Consumer and Environmental Benefits of Shale Revolution**

- Ed started by stating that the purpose of his presentation is to show what Shale means to consumers
- He said that his career has been primarily working with consumers!
- The membership of Northwest Industrial Gas Users includes 35 companies, and is diverse. Some companies have seasonal loads while others use 365 day loads and the group includes everyone else in between. The organization was formed around the region served by NWP and GTN to the side. They are active at the PUC level.
- Ed answers the question - how much consumers benefit from the Shale Revolution, in other words, what's really happened? He said that Shale is a big deal for every consumer!

Slide #7 – Oil and Natural Gas Price History 1983 – 2016

- Oil and Natural gas, Ed said, used to be tied at the burner tip. Industrial customers used to switch between oil and gas so they followed each other.

- From graph, you see that back in 2005 oil and gas prices were linked!
- Ed stated that per the slide you can see a gas price "run-up" from 1997-1999 and there were sustained "shorts". 2005 was also an active hurricane season!
- $ at that time was being invested to import NG
- Lisa Gorsuch mentioned that back in 2005, they were modeling getting cut-off from Canadian gas!
- By 2009 Ed says, gas and oil prices were "delinked". Gas was about $8 per mmbtu – now it is down to $3.00.

Slide #8 – US Natural Gas Production and Consumption in Billions of Cubic feet 1980 – 2016

- Ed stated that the majority of NG by 2040 will come from Shale. Some people think we are there already!
- Ed reminded us that there is opposition to hydraulic fracking, but the benefits to consumers are significant!

Slide #10 & #11 – YOKO & Sean sign

- Ed posits if the price stayed at $8.00 from the early 2000's…. Lisa said it was predicted to jump to $14 in 2008. Ed said it could have been much higher!

Slide #13 – No Fracking's Impact on Oregon Consumers

- In 2016 consumers burned 239m Dth in Oregon (not via electric generation)
- Consumers would pay 1.1 billion more for NG in 2016 with no fracking!
- But there is more to it than saving $, said Ed.

Slide #14 – Electric Generation & Carbon Emissions

- Emissions are part of the story – and it is a big deal!
- Why this country has "bragging rights" about reducing carbon emissions more than ANY other country….
    - Shale
    - Efficiency
    - Rapidly expanding renewables

- USA using less when prices are down, we are the region leader in efficiency!

**Question**: Mark asked why this is not advertised?
**Answer**: Ed stated that we tend to play "defense"! We need to be activists, he stated, and not be afraid to tell people what are doing and be vocal about it!

**Question**: Someone else asked if the Permian Basin is at "peak fracking" in some places?
**Answer**: Ed stated that that has not happened so far. He said it's like the old-style drilling and then oil prices increase!

- Someone else said that the challenge with horizontal fracking is that it causes secondary damages, and rare effects.

**Question**: I used to work at Energy Trust. What is the appetite for transportation customers to be on Energy Trust?
**Answer**: Ed stated that he will be talking about this topic later this afternoon. There is a Volunteering Program. Most of his members never participate in demand side programs. He wonders if there could be a program as a transporter. Can I sign up for

some type of Demand Side management without becoming a "sales customer" …i.e. without forcing it down our throats? Some companies would be willing. But if **Cap & Trade** is enacted, then all bets are off!

- Ed went on to say that one of his members' pulp shortage on the West Coast put them out of business! Also, an aluminum smelter is down because aluminum is now being imported from China. Those companies used a lot of energy! There is a thin margin in many of these businesses, 92% of their cash goes out the door!

*Presentation #3* – Ashton Davis, Devin McGreal & Brian Robertson
**Sendout Optimization Modeling**

Slide #16 – Sendout Model
- Ashton started by stating that the Sendout Model is used for resource optimization. He said it is complex and powerful!
- It minimizes costs in a way not possible in the real world, so this tool is a guide, not a decision maker!

Slide #19 – Modeling Challenges
- Supply needs to get gas to the Citygate.
- Sendout has perfect knowledge!

Slide #20 – Supply Resource Optimization Process

**Question**: Mark stated to Tom Pardee from Avista that CNGC discusses their candidate portfolio to get the total system costs and compare 25% with other industry practices, what does AVA do?

**Answer**: Tom said that they use scenarios to see what happens to an expected case. They have a new method as to how they look at Portfolios, based on normal distributions. Tom said yours is in line with other industrial methodologies.

Slide #21 – Supply Resource Optimization Process (Cont'd), steps 5 thru 8
- Later there will be a slide including all sensitivities!

Slide #22 & #23– Base Case Sendout Inputs/Supply
- Devin clarified **scenarios** vs **sensitivities**.
- Devin stated we get our supply from AECO, Sumas, Kingsgate & OPAL

Slide #24 – CNG Supply Chart
- Shows North to South using NWP
- South to North with all pipelines
- North to South using GTN

Slide #25 – Supply Base and Fixed
- Sendout will choose the supply needed to cover the load!

Slide #28 – Winter Base Supply
- The "winter" covers November thru March
- This is the "heating season", additional baseline supply for winter months
- We can let Sendout choose the optimum MDQ (Max Daily Quantity).

- A penalty forces Sendout to take optimal additional winter gas.

Slide #29 – Winter Base Supply (Cont'd)
- Graph shows base during winter months only!

Slide #30 – Day Supply (Winter)
- November through April period.
- Winter day gas has MDQ cap but that is not an unlimited amount of gas at a cheaper price!
- Winter has a slightly higher premium.

Slide #31 – Winter Day Supply (Cont'd)

**Question**: Are you assuming you will always purchase on the daily market?
**Answer**: Day gas covers any demand along the yellow dotted curve of slide #31 at a reasonable rate for a period.

Slide #32 – Day Supply (Summer)
- This timeframe is April – November.
- Summer day supply has a slightly higher cost.

Slide #34 – Peak Supply
- Peak has a higher cost

Slide #36 – Storage
- Jackson Prairie (JP)
    - 4 storage contracts
    - Can withdraw 56K Dth per day
- Plymouth (Ply)
    - 2 storage contracts
    - Can withdraw 78K Dth per day

- Total withdrawal 134K Dth per day!

**Question**: During the summer peak days are you injecting?
**Answer**: More so in the heating season. Day supply is needed for high demand, non-heating season!

Slide #37 – Storage Example
- Our storage is not specifically tied to our system!

Slide #38 – Storage, Sendout example 2
- The target % is shown here
- Rates for storing/withdrawing storage and withdrawing/ injecting and withdrawing shown.

Slide #39 – Transportation
- NWP goes to a "zonal level" and can be constrained.
- GTN goes to the Citygate level only, no zones here.

Slide #40 – Transportation (Cont'd)

- Transport has an MDQ (maximum demand quantity), a D1 rate, a transportation rate and a fuel loss %.

Slide #41 – Transport Example
- NWP Pool South to NWP Pool (Dispersed to different zones & eventually Citygate)

Slide #43 – Delivery Rights vs Receipt Rights
- CNGC has more delivery rights than receipt rights
- This gives CNG flexibility!

Slide #44 – Example of delivery right flexibility
- Total of contracted cannot exceed 4K but we can drop 4K at any location!

Slide #47 = Transport Constraints Example
- Shows when constrained to daily max of 47,603

Slide #48 – Locations of Zones (NWP)
- For example, see zone “ME-OR” is the Pendleton area

Slide #51 – Zone 30 on Peak Day for Transport #135558
- It is the same price, so we could send it to 30-W, rather than 30-S!

Slide #52 – Transport Contract #135558 on Peak Day
- Example of this contract fully utilized!

Slide #54 – Demand Behind the Gate,
- Customer billing system doesn’t have daily meter reads for CORE customers. Brian said this makes analysis difficult!
- This year we added citygate & zonal levels!

Slide #55 – Demand
- Demand is forecasted at citygate level by rate schedule Brian stated.
- He said for NWP demand is associated with zone and for GTN Citygate demand is associated with its interconnect.
- The inputs are forecast type, projected customers, regression coefficients & 2016 demand for the month with a growth factor.

Slide #57 – Demand Example 2
- Sendout inputs - usage factors
- Customer demand 20 years out – weekend base!

Slide #58 – Weather
- Weather inputs – Monte Carlo (MC), Historical & Normal (average 30 year)

Slide #59 – Weather Ex. MC
- HDD mean & Std. Dev = based on actual 30 years historical
- Once run, Sendout finds the best match year & uses that profile!

Slide #60 - Long term price forecast
- Market pricing & Long-term price forecasts

- Henry Hub (HH) Nymex future prices.

Slide #61 – Long Range Price Forecast (Cont'd)
- Weighted to each source
- Using most recent trading period!

Slide #62 – Price Forecast Weights
- Symmetric mean absolute percentage error (SMAPE) – looks at all sources – how accurate have they been?

Slide #63 – Example of SMAPE Calculations by Source
- Sources are EIA past 2036
- Calculates error and how much of an error, 1 month, 2 months – 3 months out

Slide #64 – Example Weights Price Forecast for 2018
- Added up and divided by total to get % weights, then value these inputs!

Slide #66 – Probable Base Case Forecasted Prices by Basins
- Nymex, Sumas, Rockies & AECO used

**Question**: Do Sumas & AECO stay below Nymex?
**Answer**: YES

*Presentation #4* – Ashton Davis
**Alternative Resources**

Slide #68 – Major Issues on the Horizon
- Cascade identifies deficiencies & provides solutions
- CNG talks with pipelines, storage facilities and new resource sources

Slide #71 – Incremental Transport – NWP
- West Central Washington, Oregon lateral & entering Southeast Oregon.

Slide #72 – Incremental Transport – S to N
- OPAL
- RUBY
- GTN South to North

Slide #73 – Incremental Transport – Bilateral
1. T-South Southern Crossing
2. Trails West
3. Pacific Connector – Oregon Coast

Slide #74 – Incremental Storage – N and E
- Ryckman Creek, Gill Ranch, Magnum, Mist, Clay Basin & Wild Goose

Slide #76 – Incremental Supplies
- OPAL & Renewable NG (biogas)

*Presentation #5* – Brian Robertson
**Candidate Portfolios**

Slide #78 – Portfolio Summary
- This shows scenarios based on whether we use NWP, GTN or storage.

Slide #80 – All in Portfolio (PF)
- All evaluated resources!
- Pick up GTN 10,200 by Nov 2027
- Gas Supply already picked up additional GTN, starts Dec 1, 2017 –
    - Originally, Gas Supply tried to get start date of Nov 1, 2017 but due to maintenance, it was moved to December with the same termination date.
- Lookout 10 years!
- Incremental Foothills – 25K by Nov 2037
- Incremental I-5 expansion 17,469 Dth by 2027 increase to 41,035 Dth by Nov 2037
- Incremental NOVA – 36K Dth by Nov 2037

Slide #81 – Incremental GTN & Storage Portfolio
- Includes Incremental GTN and all regional storage facilities!

Slide #83 – Incremental NWP & Storage
- Incremental I-5 Expansion – 7.5K Dth by Nov 2027
- Spokane 14,794 Dth by 2037
- Ryckman Creek, 1000 Dth by Nov 2037

Slide #86 – Final Ranking – Mean & VaR
- Shows Mean and VaR & unserved demand

**Question**: I asked Brian what does “mdt” stand for?
**Answer**: Brian answered that it stands for “thousands of Dth’s”.

Slide #87 – All in Portfolio
- Optimum mix of all evaluated resources including NWP/GTN & Storage

*Presentation #6* – Devin McGreal
**Scenarios & Sensitivities**

Slide #89 – Monte Carlo
- M/C scenarios – weather

Slide #90 – Monte Carlo – Weather
- We ran 200 simulations to stress test our expected portfolio.

Slide #91& #92 – Low & High Growth scenarios
- Will we be able to serve our customers at a reasonable cost??

Slide #95 & 96 – Monte Carlo Weather – Normal Distribution
- Weather is normal, distribution follows rule!

Slide #98 – System Weighted Annual HDD’s by Draw

- Graphical representation, NOT data inclusive!

Slide #99 – Annual Demand by Draw
- What happens over the course of 200 demand draws!

Slide #101 – Total System Cost with High Growth
- All-in Portfolio!
- 3.7 million average cost, total system
- Min/Max increase
- $3.904 average
- Doesn't exceed VaR limit!

Slide #103 – Monte Carlo - Nymex Price
- 20-year price forecast
- 200 price simulations
- Over variety of pricing environments
- Expected PF is still optimal!

Slide #104 – Sensitivities Analysis
- 9 scenarios, at High, Base & Low-price environment
- Carbon adder impacts
- Using base price, then adding $10, $20 or $30…

**Question**: Was this compared with the base case price?
**Answer**: Yes!

Slide #105 – Nymex Monte Carlo Annual Price, including 10% carbon adder – 200 draws
- Price range here is from $2 - $14

Slide #109 – Scenario/Sensitivity Analysis ($000)
- Overall conclusion?
- Most risky is $30 per ton carbon adder

Slide #110 – Peak Day Supply Take vs Demand
- Shows how demand is served on Peak Day.
- Shows what amount from all sources is needed.
- Shows the impact of DSM.

Slide #113 - Why not use Monte Carlo AND Weather?
- We spoke with the vendor of Sendout and we can only do 1 at a time.
- If you want to get the true results using 2 variables, it works out to be 200 X 200 variables.
- 200 draws scenario takes 5 hours, so doing both MC and Weather is not time effective!

*Presentation* #8 – Brian Robertson
**2018 IRP Timeline**

Slide #114 – Timeline
- Comments are due on 12/5
- Presenting to management on 1/22

- Filing on 1/25 official filing in OR
- Deadline for IRP is 2/9/2017!

**Question**: It was asked if each Commission member wants a hard copy?
**Answer**: Lisa said there should be no less than 10 hard copies created.

Mark said feedback from stakeholders is appreciated!

**QUESTIONS??:**

**Question:** Even with a $30 carbon adder in 2037 would there still be the same demand?
**Answer**: We would expect that demand for gas will still be there!

**Question**: Are you assuming we will want a Tag 5 or, is it too early to say?
**Answer**: Too early to say at this time.

**Question**: Do we want a public meeting or a phone conference?
**Answer**: Lisa answered that other stakeholders who want to become involved may want a public meeting. If we have multiple questions from other stakeholders, we may need a Tag 5. We love verbal communication but written documentation is super helpful to us!

Brian Robertson thanked everyone for attending

To better facilitate our upcoming discussions, please see the recap below of Staff's comments and Cascade's initial response.

**Section 3 Demand Forecast**

**Staff's Comments: Staff believes that Cascade's demand forecast is an improvement from past filings: In the new approach, the Company developed a normal, or expected, future weather year by shaping 30 years of weather data. Heating degree day (HDD values) were assigned to each day in the model weather year. To ensure the Company will be able to serve its firm customers during extreme weather, the Company tested the model weather year three times, each time with a unique extreme weather event. An average peak HDD (the average coldest day for each year in the last 30 years), a system-wide max peak HDD (the systemwide, single coldest day recorded in the last 30 years), and a max citygate peak HDD (the coldest HDD for each weather station in the last 30 years). Peak day demand was then derived for each weather scenario by applying the HDD to the peak day forecast for each citygate. Staff appreciates the citygate level analysis, and detailed description of the SENDOUT models and results. While the demand forecasting appears to be reasonably comprehensive, Staff's questions will be regarding whether corporate versus residential customer were treated differently, and how the decision to select particular stochastic parameters for load uncertainty were made.**

Cascade's response:

1. Please clarify what is meant by "corporate" customers.
2. Does the verbiage "questions will be" mean there will be data requests? Is there anything we can address now?
3. We would like to better understand Staffs' comment about the "stochastic parameters for load uncertainty." Is this related to the Monte Carlo weather inputs?
4. Would Staff like us the expand on any of the language in Section 3?

**Section 4 Supply Side Resources**

**Staff's comments: Cascade's gas supply portfolio is sourced from three areas of North America: British Columbia, Alberta, and the Rockies. The Company secures its gas through firm gas supply contracts and open market purchases. Cascade has contracted for storage service directly from Northwest Pipeline since 1994. Storage is held in their Jackson Prairie and Plymouth facilities. Jackson Prairie is located in Lewis County, Washington, approximately ten miles south of Chehalis. Plymouth is located in Benton County, Washington approximately 30 miles south of Kennewick. Both Jackson Prairie facilities and the Plymouth facility are located directly on NWP's transmission system. Therefore, storage withdrawal rates can be changed several times during an individual gas day to accommodate weather driven changes in core customer requirements. Staff appreciates the details provided in Section 4, as well as the efforts taken by the Company to secure supply and lease storage to reduce the risk of shortfalls in Oregon. Staff is interested in understanding if and how the Company will incorporate "peak cooling" days into the supply analysis. Staff is also interested in learning what progress the Company has made in negotiating additional storage options noted in the IRP draft, and what factors the company will consider in whether to obtain these contracts.**

Cascade's initial response:

1. Please help Cascade understand why Staff is asking about "peak cooling" days as Cascade core demand has no relevant cooling related demand.
2. In the IRP, Cascade uses the word "consider" to indicate that the Company modeled various storage options as potential resources. The model results did not indicate acquiring any incremental storage at this point in time. Does Staff believe Cascade is actively negotiating additional storage? Cascade is not currently negotiating any incremental storage contracts. Is there language in the IRP that leads staff to believe Cascade is acquiring additional storage? If so, please provide Cascade with the specific language in the IRP where Staff believes the Company is currently negotiating new storage contracts.

**Section 5 Avoided Costs**

**Staff's comments: Cascade's avoided cost includes fixed transportation costs, variable transportation costs, fixed storage costs, variable storage costs, commodity costs, a carbon tax, a 10% adder, and a hedge premium. Essentially, the avoided cost is the cost of the Company's resource stack on a per therm basis plus three values for benefits specifically acquired with energy efficiency. Staff believes CNG is on the correct track with its avoided cost analysis. However, given that Cascade does not forecast a need to acquire additional storage, please clarify if Cascade can avoid its current fixed storage costs? Also, in section 4 Cascade affirmatively stated that it is considering other storage options, so Staff would appreciate clarification on the apparent contradiction. but will have questions in the initial IRP relating to why Cascade believes price elasticity must be considered. Elaborating on the sentence "if usage materially decreases with higher prices, then fewer purchases and less capital investment by an LDC would be necessary" might be helpful. Specifically, elasticity is not a variable in the $AC_{nominal}$ equation on page 5-2, so the impact of elasticity on avoided cost is not obvious. Staff would also request that CNG please provide some examples of the results. For instance, some of the carbon tax scenarios in Appendix H increase the 2018 avoided cost. It might be useful to add a discussion of how the carbon tax scenarios affect which energy conservation measures should be undertaken.**

Cascade's response:

1. Cascade appreciates Staff's feedback on fixed storage. After checking the calculations, it was not numerically significant to include it one way or another, but Staff's comments have certainly prompted the Company to be sure to explore this subject further during the upcoming Oregon avoided cost workshops.
2. Cascade will remove the second to last key point of section 5 and move the price elasticity discussion into a qualitative analysis in section 3. This will include a discussion with stakeholders on how to incorporate price elasticity in future IRPs.
3. Cascade will add an action item to discuss how carbon tax scenarios impact which energy conservation measures are undertaken with ETO.

**Section 6 Demand Side Management and Environmental Policy**

**Cascade acquires therm savings through its energy efficiency programs. In Oregon, the Energy Trust of Oregon (Energy Trust) administers the Company's programs and in Washington, Cascade administers**

**its own programs. In both states, the programs offer Cascade customers financial incentives to install specific cost-effective energy efficiency measures. The program savings projections included in this IRP are higher than those presented in the Company's 2014 IRP for the following reasons: 1) New measures were considered in the analysis; 2) Measure assumption were updated based on more current data; 3) Emerging technologies were included in the analysis; and 4) Updated measure saturation rates from third-party research and survey work were used. Section 6 also considers environmental policies being both enacted and considered in Oregon, Washington, and nationally. A number of initiatives intended to reduce, eliminate, or mitigate the effects of greenhouse gases on the atmosphere are in play. Carbon legislation will be a reality in a matter of time. Staff's question's and comments regarding Section 6 are related to what percentage of its energy efficiency measures does Cascade expect to be brought into cost-effective compliance in the near future, and whether and how Cascade considered seasonality of savings in its avoided costs. Staff also requests that CNG please describe the nature of the ETO's DSM projections for Cascade's Oregon service area for the period 2018-2037, including: when the projection will be updated, the review process the projection went through, and how the accuracy of the projection will be evaluated (if applicable). Please describe how the accuracy of the DSM projection affects Cascade's long-term planning. Finally, Staff requests that CNG please elaborate on the gas to electric fuel switching topic, specifically, does Cascade believe that, that topic affects its long-term planning.**

Cascade's response:

1. ETO includes load profiles of selected measures that recognizes seasonality of savings. The Company will discuss this with stakeholders for possible inclusion in future IRPs.
2. Cascade performed an analysis on the impact of accelerated DSM on its resource decisions on pages 8-12 of its 2014 IRP update. Ultimately, the Company concluded that even with accelerated DSM programs there would be no change to any resource decisions made.
3. Cascade will monitor what other regional LDCs will do with regards to electrification. The Company will consider additional scenarios related to decrements to demand from electrification in future IRPs.
4. Cascade will be discussing the remainder of these questions with ETO during a supplemental teleconference.

**Section 7 Resource Integration**

**Staff's Comments: The Company considered a host of resource alternatives that can be added to its resource portfolio, including additional conservation programs, incremental off-system storage alternatives at AECO Hub, Mist, Ryckman Creek, Wild Goose, and Gill Ranch. Additionally, incremental transportation capacity on NWP, Ruby, NGTL, Foothills and GTN pipeline systems was considered, along with on-system satellite LNG facilities, bio-natural gas, and imported LNG. Even after the savings from energy efficiency programs are realized, Cascade will need to acquire additional capacity resources or enter into other supply arrangements to meet anticipated peak day requirements, primarily due to continued growth in the Company's residential and commercial customer base. Utilizing the SENDOUT resource optimization model, several scenarios were run. Staff again has questions regarding the apparent contradiction between the stated need to acquire additional resources, and the apparent lack of consideration of such resources noted in the avoided costs section of the IRP draft. Staff's other questions are regarding the identified shortfall, and the deterministic approach the company used to foreclose on the shortfall. Particularly, why were the six selected portfolios tested? Did the Company consider alternative approaches given potential changes in**

**storage and supply contracts? Staff is also curious about the sensitivity limit applied by CNG. Why was 1.25 time the mean total system cost chosen, as opposed to say, 2 times? Staff also notes that table 7-2 is not very clear to read (i.e. blurry) and suggests higher resolution.**

Cascade's response:

1. Cascade performed its analysis on the six portfolios presented in the IRP because the Company determined that the portfolios were a comprehensive sample of the alternative resources available on the various pipelines Cascade contracts with. Cascade presented these portfolios in its final two TAG meetings, requesting feedback from stakeholders regarding its methodology for selection of these portfolio. No stakeholders expressed concern with these portfolios.
2. Cascade's contracts are firm related to storage and supply contracts. Cascade did, however, consider extreme circumstances related to its contracts in its scenario analysis.
3. Cascade will provide additional discussion related to its upper VaR limit in the final IRP.
4. Cascade has increased the resolution of table 7-2

**Section 8 Distribution System Planning**

**Staff's comments: Cascade's geographical information system (GIS) keeps an as-to-date record of pipe and facilities, complete with all system attributes such as date of install and operation pressure. Using the Company's geographical information system (GIS) environment and other input data, Cascade is able to create system models through the use of Synergi software. The software provides the means to theoretically model piping and facilities to represent current pressure and flow conditions while predicting future events and growth. Combining these models with historical weather data can provide a Design Day model that will predict a worst-case scenario. Design Day models that experience less than ideal conditions can then be identified and remedied before a real problem is encountered. Staff is very pleased with the DSP section and the detailed GIS analysis, and integration with Synergi modeling. Staff appreciates the Company's walkthrough of design day conditions, and the identification of enhancement projects in upcoming years. Staff would like to see more detail on how the enhancement projects align with the company's internal risk modeling. If there are any inconsistencies between the Company's risk assessment system for distribution systems, and the results of the analysis, Staff would like to know how the Company plans to reconcile these differences.**

Cascade's response:

1. Please confirm what is meant by "internal risk modeling"

## 5th External TAG Meeting

**Date & time:** 12/21/2017, 09:00 AM – 10:00 AM

**Location:** CNGC Kennewick GO

**Presenters:** Mark Sellers-Vaughn, Brian Robertson, & Devin McGreal

**In attendance**: Mark Sellers-Vaughn, Deborah Glosser – OPUC, JP Batmale – OPUC

**Called in**: Devin McGreal, Brian Robertson, Carolyn Stone Jeremy Ogden, Eric Wood Mike Parvinen, Bruce Folsom, Mike Clapp, Isaac Myhrum, Jay Story - GTN

**Minutes by**: Carolyn P Stone

Mark Sellers-Vaughn started out the meeting by stating that the goal for the day was to go over Staff comments and provide clarifications and answers to questions. He said there is no "set agenda" just review of comments. He also thanked Staff for providing good comments!

**Section 3 - Demand Forecast:**

- Brian asked if there will be Data Requests (DR's) to respond to now or after the final filing?
  - Deborah stated that there will be some general questions now and likely DR's after the official filing related to load predictions and how the factors differ.

- Mark asked, "DR's after the final filing?"
  - Deborah answered "yes". It is an attempt to get clarifying information only.

- Brian asked Deborah if, on Question 1, she meant commercial vs industrial (rather than corporate, as it states in the question)?
  - Deborah answered "Yes!"
  - JP said that in the past DR's go back and forth to clarify questions, it's not a "knock or ding" for CNGC. It takes 10 business days to negotiate once the IRP is filed. We are trying to get DR's out to you in time!

- Brian asked about the stochastic parameters, related to the Monte Carlo runs.
  - Deborah said regarding the number of Monte Carlo runs selected, paths of distribution determines the input. She said that using a deterministic rather than a log normal distribution can distort data.

- Brian stated that there will be more language about this subject put into Section 3.

- Deborah asked why 200 runs, is this industry standard or are there other reasons?
  - Devin answered that their consultant, Jeff Baker, recommended 200, as in his experience this is a representative sample, considering the time needed for the runs, etc. Above the standard 200 "hazards" using price and weather stochastics, we would need to do 40K runs. This would be outside the time horizons and representative data.

- Deborah asked is 200 draws enough to get the information you want, and will the IRP explain the rationale behind this? More than 200 runs are not necessary but the reason why 200 we will want to talk about.
    - Mark said that Avista also uses 200 runs.
    - Deborah said she will ask Lisa about this. The Principle Component Analysis has more runs. Is this an appropriate number of runs and how to determine this? We need a little more than "someone advised us 200 runs is a good number."

**Section 4 - Supply Side Resources:**

- Brian went over question 1 and asked what Staff meant about "peak cooling days". He stated that there is no relevant cooling demand…no peaking demand for cooling for CORE customers
    - Mark added that there is not a spike in demand during the summer only.

- Regarding question 2, Brian answered as to how the word "consider" is used. He stated that they are getting information and modeling it to see if the Sendout model would choose the option or not. There is no additional storage being negotiated.
    - Deborah mentioned specifically Page 1.5 of the IRP. Does Cascade consider alternate resources like Mist, etc and other alternatives for Natural Gas storage. There is some confusion between resource deficiency and load resource balance figures and resource alternative additional conservation and incremental storage alternatives.
    - Devin said there was a resource deficiency in 2014. We addressed the problem by letting the Sendout model consider all alternative resources. Additional storage options were ordered to evaluate the shortfall in Oregon due to deficiencies in the prior IRP.
    - Deborah said we want to make sure we're all on the same page…i.e. if resources are needed or is it just because the Commission told you to look at them?
    - Mark stated that due to shortfalls in the IRP they modeled 5 to 6 difference storage options. None were cost effective or reliable. Ryckman Creek, for example has filed bankruptcies and has other liabilities – it is not a reliable resource. We can expand on this discussion…?
    - Deborah said that, in the next draft, they will send out a DR on this topic to get it on the record.
    - Mark said it seems like you want more detail on the analysis of alternative resources.
    - Deborah said information on the resources recognized and evaluated mainly.
    - Devin stated that Sendout allows you to test all alternative resources at the same time to gain the optimal solution. He said we could add language to make sure it is clear that storage alternatives were looked at.

**Section 5 - Avoided Costs**:

- Brian stated that all action items are being worked on.

- Deborah said that the resources are excellent here and well addressed.

**Section 6 (skipped) - Demand Side Management and Environmental Policy:**

- Brian said we will have a 2nd meeting on this topic when Allison Spector and the "ETO" representative can be here.

**Section 7 – Resource Integration:**

- Devin said that this discussion is similar to the item 1 issue of 200 draws – why 6 portfolios tested? He went on to say that this was used to get a good representation of what's available of different options.
    - Deborah said that she might contact Devin for further discussion via phone.

- Brian stated that they had many discussions on how to do this, however are open to other ideas.

**Section 8 – Distribution System Planning**:

- Brian asked what is meant by "Internal Risk Modeling"?
    - Deborah stated that CNG filed a Safety Plan through "Triage Risk". She asked was this level of analysis done on the IRP and if not, why?

- Jeremy asked is "Integrity Management" what you want?
    - Deborah answered "Yes".

**End of meeting discussion**:

- Brian said that was it for today for the OPUC comments, but we welcome any other questions or concerns regarding the Draft IRP!
- Deborah and JP indicated that there was lots of good work in this!
- Mark Thanked Deborah for her patience!
- Deborah said she thinks Mark's group is doing great!
- Mark said there may be a hill to climb after 2024, so……and then asked how many hard copies Deborah's group needs?
- JP teased "106 on a pallet", but then said no more than 5!
- Mark asked to please make sure we know before publishing!
- Mark also asked Deborah if they want a redlined and integrated final?
- Deborah said to send electronically and send a redline copy as well.
- JP thanked everyone!
- Deborah said she is looking forward to the final draft and addressing any questions.

## Extension of 5th External TAG Meeting

**Date & time:** 01/10/2018, 10:00 AM – 11:00 AM

**Location:** CNGC Kennewick GO

**Presenters:** JP Batmale & Deborah Glosser – OPUC, Brian Robertson & team - CNGC

**In attendance**: Brian Robertson, Devin McGreal, Ashton Davis, Carolyn Stone, Isaac Myhrum, Mike Clapp

**Called in**: Garret Senger, Allison Spector, Teresa Hagins, Bruce Folsom, Deborah Glosser, JP Batmale, Andy Hudson-ETO, Spencer Moersfelder-ETO, Amanda Sargent, Jay Story-GTN, Brian Cunnington

**Minutes by**: Carolyn P Stone

Brian Robertson began the meeting with introductions. He explained that the meeting was an extension of the 5th External TAG meeting to review and discuss comments from Staff on the IRP, specifically addressing **Section 6**. Brian stated that if the ETO (Energy Trust Oregon) had any questions or there were questions from Staff we could go over those at this meeting.

**Section 6 - Demand Side Management and Environmental Policy**

- Andy from ETO said that they sent over comments from Staff and that Staff wanted a discussion between Cascade and the ETO.
- Andy mentioned that the ETO would like to have a better understanding and coordination with CNG.

**Question 1 discussion – Savings Projection**

- JP started out the discussion regarding why the savings projection was higher in this IRP than in the 2014 IRP? There are 4 reasons shown in the new IRP and Staff wanted confirmation of those reasons and to know why more savings in 2014.
    - Spencer stated that the "Cost Effective Override" (CEO) was used in the current IRP.
- JP asked what % of cost savings comes from using the CEO?
    - Spencer stated that 50 – 52% of the cost savings are due to the use of the CEO. 25% came from measures that have exceptions from Staff, tank water heaters & insulation, ex. 4 pathways for EP's and 4 iterations within those pathways.

**Question**: Andy asked if the CEO for savings was over 20 years?
**Answer**: Spender said "yes" for a full 20 years!

- Andy asked if there were other questions and Alison asked if we were approached by other utilities. Spencer said "yes".
- Brian Robertson said there were no questions from the Kennewick GO on that.

**Question 2 discussion - Environmental Policies**

- It was stated that environmental policies are "off the table" at this time.

**Question 3 discussion – Emerging Technologies**

- JP said that they are 1% of energy cost compliance.
- Over time, they will be cost effective.
- Avoided costs will be changing over time – additions & assumptions will be cost effective.
- JP asked if there were any more thoughts?
- Allison said she has discussed the ETO already, but if there are more questions, she encouraged us to ask!

**Question 4 discussion – How the forecast has seasonality integrated into savings**

- Andy stated that CNG provided them with the avoided cost value reference price of gas, transport and storage. They then take the load shapes and look at the end use (ex: residential furnace operations during winter causes price of gas to increase) and multiply the fraction of load therms per month by the price differential per month. Hot water heating has a slightly different value than furnaces.

**Question**: JP asked if both parties could speak to the coordination and timing of the forecast…when the project is updated and the progress of it?

**Answer:** Allison stated that the coordination effort is strong, "phenomenal" with ETO in developing of this section. She said there was lots of lead time, sharing our stats and outcomes back and forth. They took information to the IRP Planning Team then pulled all of it into a narrative working closely together! The finite numbers went to ETO and back with lots of coordination and lead time. There was time to review and coordinate on all sides. Mark also said that since they started the OPUC IRP process the cooperation has been good and we have a very good process!

Andy stated he agreed with this and said that first there was a kick-off meeting, then CNG provided the avoided cost calculation at a more generalized level. He said there was extra work needed on the load and stack forecast before ETO did their work. CNG did a nice job putting the forecast together based on SIC codes! We had workshops on our process and additional meetings with the CNG team. We all shared more and went deeper with the processes which gave a really good outcome!

**Question**: JP asked when the project was finalized?

**Answer**: Andy answered "July". Mark asked Brian Robertson if that was correct. Brian said that July does sound correct. Devin added that it was exactly July 21st.

**Question**: JP asked if the group has talked about the next DSM updates – will they be in 2 years, i.e. July 2019?

**Answer**: Spencer stated that is about the right timeframe to do a 20-year forecast. It is a 2-year cycle.

**Question**: JP asked what the review process is for the final numbers?

**Answer**: Allison stated that there is a Preliminary Review that is shared with CNG. Then they give numbers to CNG and talk through it as well as hold meetings, so they understand it. There was a lot of dialogue so everyone would be on the same page!

**Question**: JP asked Mark if that was a good explanation?

**Answer**: Mark said it was a good explanation of what our internal process is. Brian explained that they take the DSM numbers and put them into the daily numbers, then put that into Sendout and treat it as "free supply" which decrements demand. We look at the DSM #'s anomalies after the Sendout runs.

**Question**: Deb asked what anomalies?
**Answer**: Brian and Devin stated errors, glitches, and correct units.

**Question**: Deb asked what errors were noted?
**Answer**: Devin said nothing jumped out whatsoever, it was "spot on"!

**Question 5 discussion – Fuel Switching**

- JP stated that OPUC would like to retract the comment on Fuel Switching.
- Brian said "OK".

JP said, "That's it for us"!
Brian asked if there were any further questions from ETO or Allison?
Spencer said all OK and Allison said she appreciated the time and discussion!
Mark said he appreciated Staff's flexibility in breaking up the comments sessions and Allison said she appreciated the coordination of the meeting.
Bruce said it was good discussion!
Garret thanked everyone and agreed it was good discussion.
Mark asked his team if there were any other questions at this time. Brian replied, "nothing right now".
JP thanked everyone who called in and thanked the CNG team. He is waiting for a copy of the document, but said "no rush".
Devin asked for clarification on the location and the time of the Avoided Cost Allocation Meeting.
JP replied that the location will be Portland but will get back to the group on the time.

# Appendix B

# Demand Forecast

# 2018 OR IRP Final

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

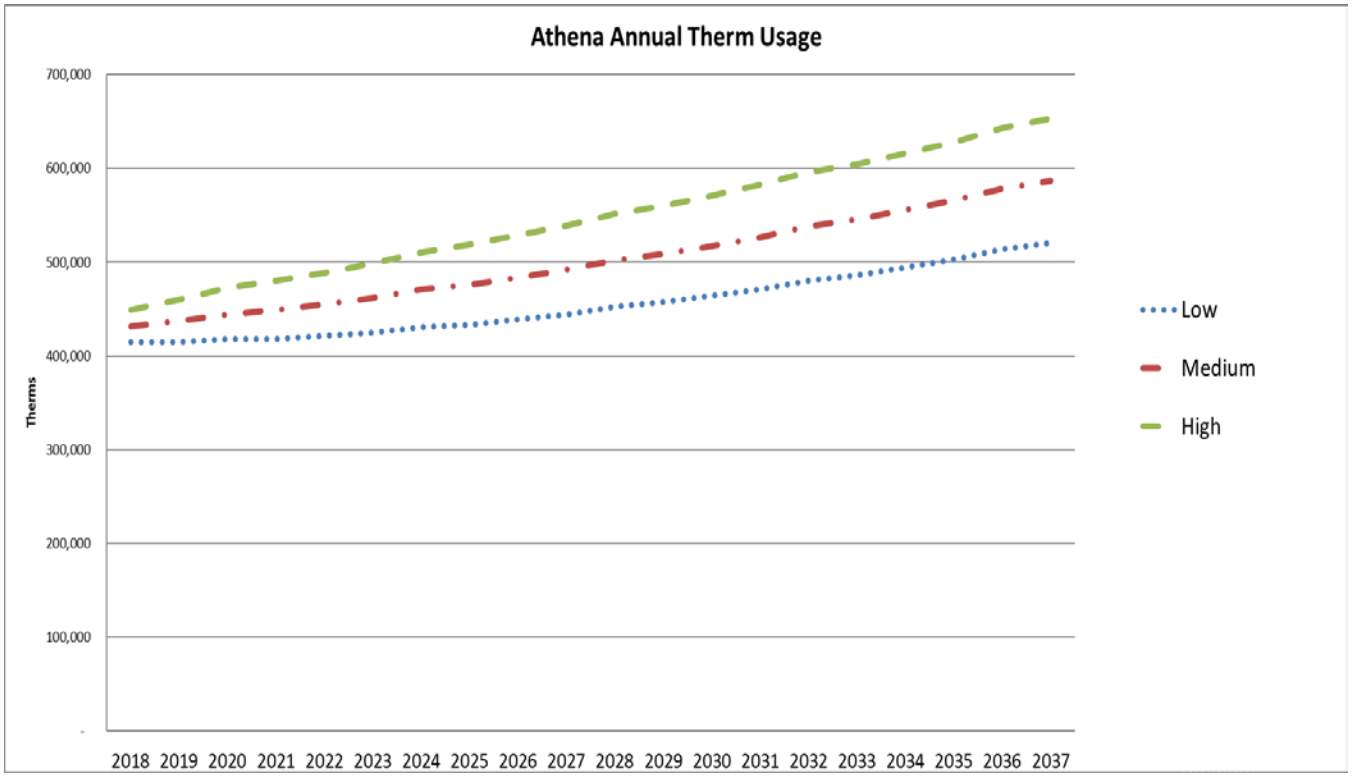
## Athena

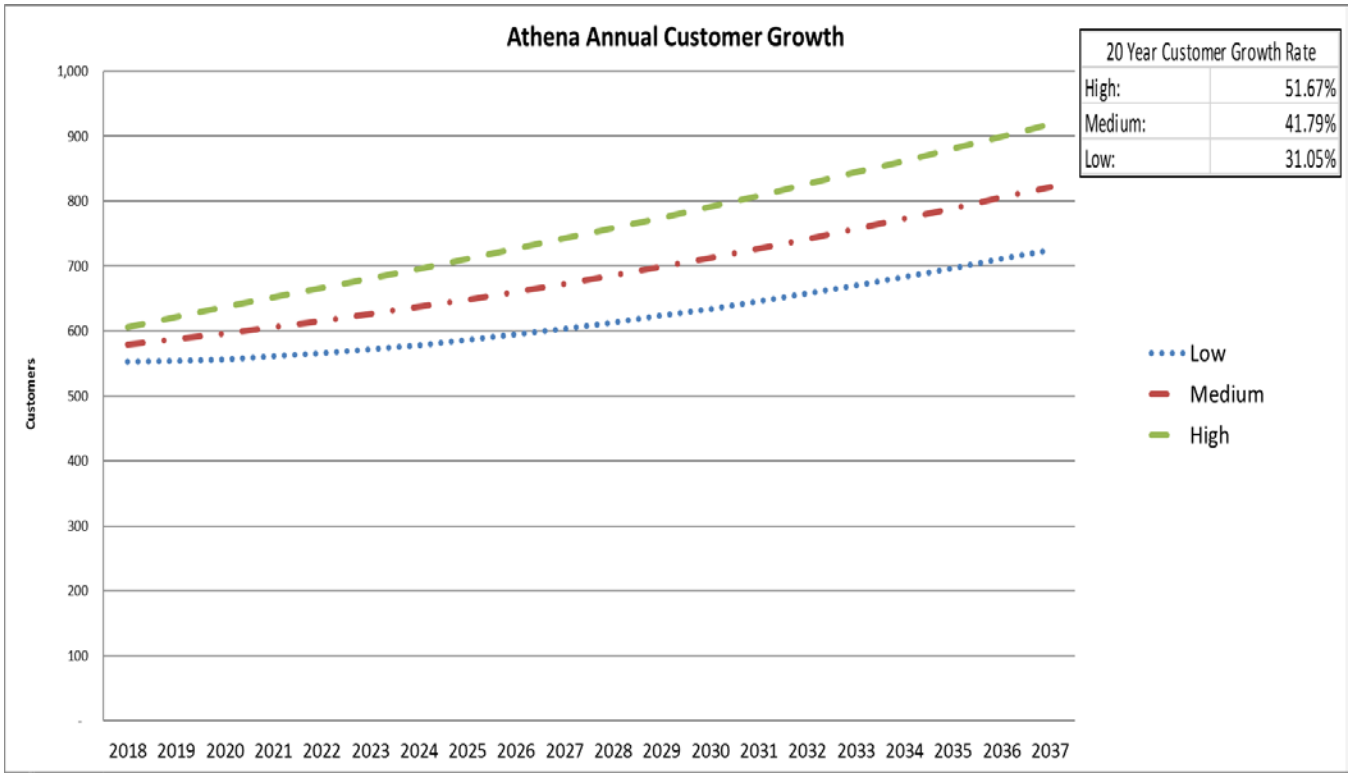
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 349,993 | 64,367 | 414,360 | 364,194 | 67,455 | 431,649 | 378,892 | 70,448 | 449,341 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 350,352 | 64,462 | 414,814 | 368,540 | 68,521 | 437,062 | 387,886 | 72,184 | 460,070 | 0.10% | 0.15% | 0.11% | 1.19% | 1.58% | 1.25% | 2.37% | 2.46% | 2.39% |
| 2020 | 353,391 | 64,749 | 418,140 | 375,218 | 69,286 | 444,505 | 398,509 | 73,824 | 472,333 | 0.87% | 0.45% | 0.80% | 1.81% | 1.12% | 1.70% | 2.74% | 2.27% | 2.67% |
| 2021 | 353,350 | 65,132 | 418,481 | 378,720 | 70,147 | 448,867 | 404,396 | 75,464 | 479,860 | -0.01% | 0.59% | 0.08% | 0.93% | 1.24% | 0.98% | 1.48% | 2.22% | 1.59% |
| 2022 | 355,781 | 65,610 | 421,391 | 384,016 | 71,309 | 455,325 | 411,871 | 76,803 | 488,673 | 0.69% | 0.73% | 0.70% | 1.40% | 1.66% | 1.44% | 1.85% | 1.77% | 1.84% |
| 2023 | 358,260 | 66,485 | 424,745 | 389,846 | 72,265 | 462,112 | 419,959 | 78,347 | 498,306 | 0.70% | 1.33% | 0.80% | 1.52% | 1.34% | 1.49% | 1.96% | 2.01% | 1.97% |
| 2024 | 363,695 | 67,154 | 430,850 | 397,307 | 73,618 | 470,926 | 430,616 | 80,082 | 510,699 | 1.52% | 1.01% | 1.44% | 1.91% | 1.87% | 1.91% | 2.54% | 2.22% | 2.49% |
| 2025 | 365,655 | 67,919 | 433,574 | 401,649 | 74,670 | 476,320 | 437,047 | 81,722 | 518,770 | 0.54% | 1.14% | 0.63% | 1.09% | 1.43% | 1.15% | 1.49% | 2.05% | 1.58% |
| 2026 | 370,711 | 68,684 | 439,396 | 407,649 | 76,023 | 483,672 | 445,362 | 83,458 | 528,820 | 1.38% | 1.13% | 1.34% | 1.49% | 1.81% | 1.54% | 1.90% | 2.12% | 1.94% |
| 2027 | 374,724 | 69,750 | 444,475 | 414,286 | 77,472 | 491,758 | 453,980 | 85,194 | 539,174 | 1.08% | 1.55% | 1.16% | 1.63% | 1.91% | 1.67% | 1.94% | 2.08% | 1.96% |
| 2028 | 381,909 | 70,707 | 452,616 | 423,221 | 78,620 | 501,841 | 464,610 | 86,628 | 551,238 | 1.92% | 1.37% | 1.83% | 2.16% | 1.48% | 2.05% | 2.34% | 1.68% | 2.24% |
| 2029 | 385,875 | 71,663 | 457,538 | 428,444 | 80,164 | 508,608 | 471,254 | 88,364 | 559,617 | 1.04% | 1.35% | 1.09% | 1.23% | 1.96% | 1.35% | 1.43% | 2.00% | 1.52% |
| 2030 | 390,943 | 72,920 | 463,864 | 435,669 | 81,407 | 517,076 | 480,784 | 90,195 | 570,979 | 1.31% | 1.75% | 1.38% | 1.69% | 1.55% | 1.66% | 2.02% | 2.07% | 2.03% |
| 2031 | 396,898 | 73,972 | 470,870 | 443,508 | 83,047 | 526,555 | 490,231 | 92,122 | 582,353 | 1.52% | 1.44% | 1.51% | 1.80% | 2.01% | 1.83% | 1.96% | 2.14% | 1.99% |
| 2032 | 405,179 | 75,421 | 480,600 | 453,743 | 84,687 | 538,430 | 502,196 | 93,953 | 596,148 | 2.09% | 1.96% | 2.07% | 2.31% | 1.97% | 2.26% | 2.44% | 1.99% | 2.37% |
| 2033 | 409,665 | 76,569 | 486,234 | 459,130 | 86,121 | 545,252 | 508,727 | 95,880 | 604,607 | 1.11% | 1.52% | 1.17% | 1.19% | 1.69% | 1.27% | 1.30% | 2.05% | 1.42% |
| 2034 | 416,591 | 78,017 | 494,608 | 467,868 | 87,761 | 555,629 | 518,529 | 97,601 | 616,130 | 1.69% | 1.89% | 1.72% | 1.90% | 1.90% | 1.90% | 1.93% | 1.80% | 1.91% |
| 2035 | 423,627 | 79,260 | 502,888 | 476,302 | 89,593 | 565,895 | 528,556 | 99,528 | 628,084 | 1.69% | 1.59% | 1.67% | 1.80% | 2.09% | 1.85% | 1.93% | 1.97% | 1.94% |
| 2036 | 433,253 | 80,900 | 514,154 | 487,495 | 91,123 | 578,618 | 541,638 | 101,550 | 643,188 | 2.27% | 2.07% | 2.24% | 2.35% | 1.71% | 2.25% | 2.47% | 2.03% | 2.40% |
| 2037 | 438,475 | 82,239 | 520,714 | 493,817 | 92,954 | 586,771 | 549,280 | 103,668 | 652,948 | 1.21% | 1.65% | 1.28% | 1.30% | 2.01% | 1.41% | 1.41% | 2.09% | 1.52% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 176 | 5,398 | 5,575 | 185 | 5,475 | 5,660 | 193 | 5,553 | 5,746 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 177 | 5,455 | 5,632 | 188 | 5,531 | 5,718 | 198 | 5,608 | 5,805 | 0.15% | 1.06% | 1.03% | 1.58% | 1.01% | 1.03% | 2.46% | 0.98% | 1.03% |
| 2020 | 177 | 5,540 | 5,718 | 190 | 5,616 | 5,805 | 202 | 5,692 | 5,894 | 0.45% | 1.56% | 1.52% | 1.12% | 1.54% | 1.52% | 2.27% | 1.50% | 1.52% |
| 2021 | 178 | 5,604 | 5,782 | 192 | 5,679 | 5,871 | 207 | 5,754 | 5,960 | 0.59% | 1.14% | 1.13% | 1.24% | 1.12% | 1.13% | 2.22% | 1.09% | 1.13% |
| 2022 | 180 | 5,674 | 5,854 | 195 | 5,748 | 5,944 | 210 | 5,824 | 6,034 | 0.73% | 1.25% | 1.24% | 1.66% | 1.22% | 1.24% | 1.77% | 1.22% | 1.24% |
| 2023 | 182 | 5,772 | 5,954 | 198 | 5,847 | 6,045 | 215 | 5,923 | 6,137 | 1.33% | 1.72% | 1.71% | 1.34% | 1.72% | 1.71% | 2.01% | 1.70% | 1.71% |
| 2024 | 184 | 5,849 | 6,033 | 202 | 5,924 | 6,125 | 219 | 5,999 | 6,218 | 1.01% | 1.33% | 1.32% | 1.87% | 1.30% | 1.32% | 2.22% | 1.29% | 1.32% |
| 2025 | 186 | 5,954 | 6,140 | 205 | 6,030 | 6,234 | 224 | 6,105 | 6,329 | 1.14% | 1.80% | 1.78% | 1.43% | 1.79% | 1.78% | 2.05% | 1.77% | 1.78% |
| 2026 | 188 | 6,059 | 6,247 | 208 | 6,135 | 6,343 | 229 | 6,211 | 6,440 | 1.13% | 1.77% | 1.75% | 1.81% | 1.74% | 1.75% | 2.12% | 1.73% | 1.75% |
| 2027 | 191 | 6,142 | 6,333 | 212 | 6,218 | 6,430 | 233 | 6,295 | 6,528 | 1.55% | 1.37% | 1.38% | 1.91% | 1.36% | 1.38% | 2.08% | 1.35% | 1.38% |
| 2028 | 194 | 6,261 | 6,455 | 215 | 6,338 | 6,554 | 237 | 6,416 | 6,653 | 1.37% | 1.94% | 1.92% | 1.48% | 1.93% | 1.92% | 1.68% | 1.93% | 1.92% |
| 2029 | 196 | 6,352 | 6,548 | 220 | 6,429 | 6,648 | 242 | 6,507 | 6,749 | 1.35% | 1.45% | 1.44% | 1.96% | 1.42% | 1.44% | 2.00% | 1.42% | 1.44% |
| 2030 | 200 | 6,470 | 6,669 | 223 | 6,549 | 6,772 | 247 | 6,628 | 6,875 | 1.75% | 1.86% | 1.86% | 1.55% | 1.87% | 1.86% | 2.07% | 1.85% | 1.86% |
| 2031 | 203 | 6,595 | 6,798 | 228 | 6,675 | 6,902 | 252 | 6,755 | 7,007 | 1.44% | 1.95% | 1.93% | 2.01% | 1.93% | 1.93% | 2.14% | 1.92% | 1.93% |
| 2032 | 207 | 6,692 | 6,898 | 232 | 6,772 | 7,004 | 257 | 6,853 | 7,111 | 1.96% | 1.46% | 1.47% | 1.97% | 1.46% | 1.47% | 1.99% | 1.46% | 1.47% |
| 2033 | 210 | 6,825 | 7,034 | 236 | 6,906 | 7,142 | 263 | 6,988 | 7,251 | 1.52% | 1.98% | 1.97% | 1.69% | 1.98% | 1.97% | 2.05% | 1.97% | 1.97% |
| 2034 | 214 | 6,956 | 7,170 | 240 | 7,040 | 7,280 | 267 | 7,124 | 7,391 | 1.89% | 1.93% | 1.93% | 1.90% | 1.93% | 1.93% | 1.80% | 1.94% | 1.93% |
| 2035 | 217 | 7,060 | 7,278 | 245 | 7,144 | 7,389 | 273 | 7,229 | 7,502 | 1.59% | 1.50% | 1.50% | 2.09% | 1.48% | 1.50% | 1.97% | 1.48% | 1.50% |
| 2036 | 222 | 7,199 | 7,421 | 250 | 7,285 | 7,534 | 278 | 7,371 | 7,649 | 2.07% | 1.96% | 1.97% | 1.71% | 1.97% | 1.97% | 2.03% | 1.96% | 1.97% |
| 2037 | 225 | 7,338 | 7,564 | 255 | 7,425 | 7,680 | 284 | 7,513 | 7,797 | 1.65% | 1.94% | 1.93% | 2.01% | 1.93% | 1.93% | 2.09% | 1.92% | 1.93% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 283,575 | 130,784 | 414,360 | 297,600 | 134,049 | 431,649 | 311,347 | 137,994 | 449,341 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 284,029 | 130,784 | 414,814 | 302,027 | 135,034 | 437,062 | 319,964 | 140,106 | 460,070 | 0.16% | 0.00% | 0.11% | 1.49% | 0.73% | 1.25% | 2.77% | 1.53% | 2.39% |
| 2020 | 286,755 | 131,385 | 418,140 | 308,003 | 136,502 | 444,505 | 329,467 | 142,866 | 472,333 | 0.96% | 0.46% | 0.80% | 1.98% | 1.09% | 1.70% | 2.97% | 1.97% | 2.67% |
| 2021 | 287,697 | 130,784 | 418,481 | 311,747 | 137,120 | 448,867 | 335,972 | 143,888 | 479,860 | 0.33% | -0.46% | 0.08% | 1.22% | 0.45% | 0.98% | 1.97% | 0.71% | 1.59% |
| 2022 | 290,606 | 130,784 | 421,391 | 317,331 | 137,994 | 455,325 | 343,822 | 144,851 | 488,673 | 1.01% | 0.00% | 0.70% | 1.79% | 0.64% | 1.44% | 2.34% | 0.67% | 1.84% |
| 2023 | 293,935 | 130,810 | 424,745 | 322,880 | 139,232 | 462,112 | 351,738 | 146,568 | 498,306 | 1.15% | 0.02% | 0.80% | 1.75% | 0.90% | 1.49% | 2.30% | 1.18% | 1.97% |
| 2024 | 299,033 | 131,817 | 430,850 | 330,181 | 140,745 | 470,926 | 361,468 | 149,231 | 510,699 | 1.73% | 0.77% | 1.44% | 2.26% | 1.09% | 1.91% | 2.77% | 1.82% | 2.49% |
| 2025 | 301,916 | 131,658 | 433,574 | 334,975 | 141,344 | 476,320 | 368,104 | 150,665 | 518,770 | 0.96% | -0.12% | 0.63% | 1.45% | 0.43% | 1.15% | 1.84% | 0.96% | 1.58% |
| 2026 | 306,499 | 132,896 | 439,396 | 341,454 | 142,218 | 483,672 | 376,484 | 152,336 | 528,820 | 1.52% | 0.94% | 1.34% | 1.93% | 0.62% | 1.54% | 2.28% | 1.11% | 1.94% |
| 2027 | 311,552 | 132,922 | 444,475 | 348,276 | 143,482 | 491,758 | 385,132 | 154,042 | 539,174 | 1.65% | 0.02% | 1.16% | 2.00% | 0.89% | 1.67% | 2.30% | 1.12% | 1.96% |
| 2028 | 318,236 | 134,380 | 452,616 | 356,853 | 144,988 | 501,841 | 395,517 | 155,721 | 551,238 | 2.15% | 1.10% | 1.83% | 2.46% | 1.05% | 2.05% | 2.70% | 1.09% | 2.24% |
| 2029 | 322,530 | 135,008 | 457,538 | 362,608 | 146,000 | 508,608 | 402,616 | 157,001 | 559,617 | 1.35% | 0.47% | 1.09% | 1.61% | 0.70% | 1.35% | 1.79% | 0.82% | 1.52% |
| 2030 | 328,553 | 135,311 | 463,864 | 370,112 | 146,963 | 517,076 | 411,865 | 159,113 | 570,979 | 1.87% | 0.22% | 1.38% | 2.07% | 0.66% | 1.66% | 2.30% | 1.35% | 2.03% |
| 2031 | 334,740 | 136,130 | 470,870 | 378,001 | 148,554 | 526,555 | 421,127 | 161,225 | 582,353 | 1.88% | 0.61% | 1.51% | 2.13% | 1.08% | 1.83% | 2.25% | 1.33% | 1.99% |
| 2032 | 342,825 | 137,776 | 480,600 | 387,649 | 150,781 | 538,430 | 432,509 | 163,639 | 596,148 | 2.42% | 1.21% | 2.07% | 2.55% | 1.50% | 2.26% | 2.70% | 1.50% | 2.37% |
| 2033 | 348,240 | 137,994 | 486,234 | 394,212 | 151,040 | 545,252 | 440,410 | 164,197 | 604,607 | 1.58% | 0.16% | 1.17% | 1.69% | 0.17% | 1.27% | 1.83% | 0.34% | 1.42% |
| 2034 | 355,350 | 139,258 | 494,608 | 402,852 | 152,777 | 555,629 | 450,307 | 165,823 | 616,130 | 2.04% | 0.92% | 1.72% | 2.19% | 1.15% | 1.90% | 2.25% | 0.99% | 1.91% |
| 2035 | 362,782 | 140,106 | 502,888 | 411,577 | 154,318 | 565,895 | 460,464 | 167,620 | 628,084 | 2.09% | 0.61% | 1.67% | 2.17% | 1.01% | 1.85% | 2.26% | 1.08% | 1.94% |
| 2036 | 372,135 | 142,019 | 514,154 | 422,501 | 156,117 | 578,618 | 472,743 | 170,446 | 643,188 | 2.58% | 1.37% | 2.24% | 2.65% | 1.17% | 2.25% | 2.67% | 1.69% | 2.40% |
| 2037 | 378,497 | 142,218 | 520,714 | 429,770 | 157,001 | 586,771 | 481,163 | 171,785 | 652,948 | 1.71% | 0.14% | 1.28% | 1.72% | 0.57% | 1.41% | 1.78% | 0.79% | 1.52% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 492 | 62 | 553 | 516 | 63 | 580 | 541 | 65 | 606 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 492 | 62 | 554 | 524 | 64 | 588 | 556 | 66 | 622 | 0.17% | 0.00% | 0.15% | 1.52% | 0.79% | 1.44% | 2.77% | 1.53% | 2.64% |
| 2020 | 495 | 62 | 557 | 532 | 64 | 597 | 570 | 67 | 637 | 0.56% | 0.00% | 0.50% | 1.54% | 0.52% | 1.43% | 2.55% | 1.51% | 2.44% |
| 2021 | 499 | 62 | 561 | 541 | 65 | 606 | 584 | 68 | 652 | 0.79% | 0.00% | 0.70% | 1.68% | 0.91% | 1.59% | 2.43% | 1.24% | 2.30% |
| 2022 | 504 | 62 | 566 | 551 | 65 | 616 | 598 | 69 | 666 | 1.00% | 0.00% | 0.89% | 1.77% | 0.64% | 1.65% | 2.36% | 0.86% | 2.20% |
| 2023 | 510 | 62 | 572 | 561 | 66 | 626 | 611 | 69 | 681 | 1.17% | 0.13% | 1.06% | 1.79% | 0.90% | 1.69% | 2.32% | 1.22% | 2.20% |
| 2024 | 517 | 62 | 579 | 571 | 66 | 637 | 626 | 70 | 696 | 1.31% | 0.27% | 1.19% | 1.87% | 0.63% | 1.74% | 2.34% | 1.08% | 2.22% |
| 2025 | 524 | 62 | 586 | 582 | 67 | 649 | 640 | 71 | 711 | 1.44% | 0.27% | 1.31% | 1.88% | 0.88% | 1.78% | 2.28% | 1.43% | 2.19% |
| 2026 | 532 | 63 | 595 | 593 | 67 | 661 | 655 | 72 | 727 | 1.54% | 0.94% | 1.48% | 1.96% | 0.62% | 1.82% | 2.30% | 1.17% | 2.19% |
| 2027 | 541 | 63 | 604 | 605 | 68 | 673 | 670 | 73 | 743 | 1.61% | 0.13% | 1.46% | 2.01% | 0.99% | 1.91% | 2.30% | 1.16% | 2.19% |
| 2028 | 550 | 63 | 613 | 618 | 68 | 686 | 685 | 73 | 758 | 1.76% | 0.53% | 1.63% | 2.02% | 0.49% | 1.87% | 2.26% | 0.80% | 2.12% |
| 2029 | 560 | 64 | 624 | 630 | 69 | 699 | 700 | 74 | 775 | 1.80% | 0.92% | 1.71% | 2.08% | 1.22% | 1.99% | 2.25% | 1.02% | 2.13% |
| 2030 | 571 | 64 | 635 | 643 | 70 | 713 | 716 | 75 | 792 | 1.86% | 0.26% | 1.70% | 2.08% | 0.85% | 1.95% | 2.30% | 1.35% | 2.21% |
| 2031 | 582 | 64 | 646 | 657 | 70 | 727 | 733 | 76 | 809 | 1.91% | 0.52% | 1.77% | 2.14% | 0.84% | 2.01% | 2.28% | 1.33% | 2.19% |
| 2032 | 593 | 65 | 658 | 671 | 71 | 742 | 749 | 77 | 826 | 1.99% | 0.91% | 1.88% | 2.14% | 1.07% | 2.04% | 2.27% | 1.09% | 2.16% |
| 2033 | 605 | 65 | 670 | 686 | 72 | 757 | 766 | 78 | 844 | 2.02% | 0.51% | 1.87% | 2.15% | 0.82% | 2.02% | 2.27% | 0.97% | 2.15% |
| 2034 | 618 | 66 | 683 | 701 | 72 | 773 | 784 | 79 | 862 | 2.05% | 1.02% | 1.95% | 2.19% | 0.93% | 2.07% | 2.26% | 0.96% | 2.14% |
| 2035 | 631 | 66 | 697 | 716 | 73 | 789 | 802 | 79 | 881 | 2.11% | 0.51% | 1.95% | 2.18% | 1.04% | 2.07% | 2.26% | 1.06% | 2.16% |
| 2036 | 644 | 67 | 711 | 732 | 74 | 806 | 820 | 80 | 900 | 2.17% | 1.01% | 2.06% | 2.23% | 0.91% | 2.11% | 2.25% | 1.05% | 2.14% |
| 2037 | 658 | 67 | 725 | 748 | 74 | 822 | 838 | 81 | 919 | 2.15% | 0.50% | 1.99% | 2.17% | 0.79% | 2.05% | 2.24% | 1.25% | 2.15% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.67% |
| Medium: | 41.79% |
| Low: | 31.05% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

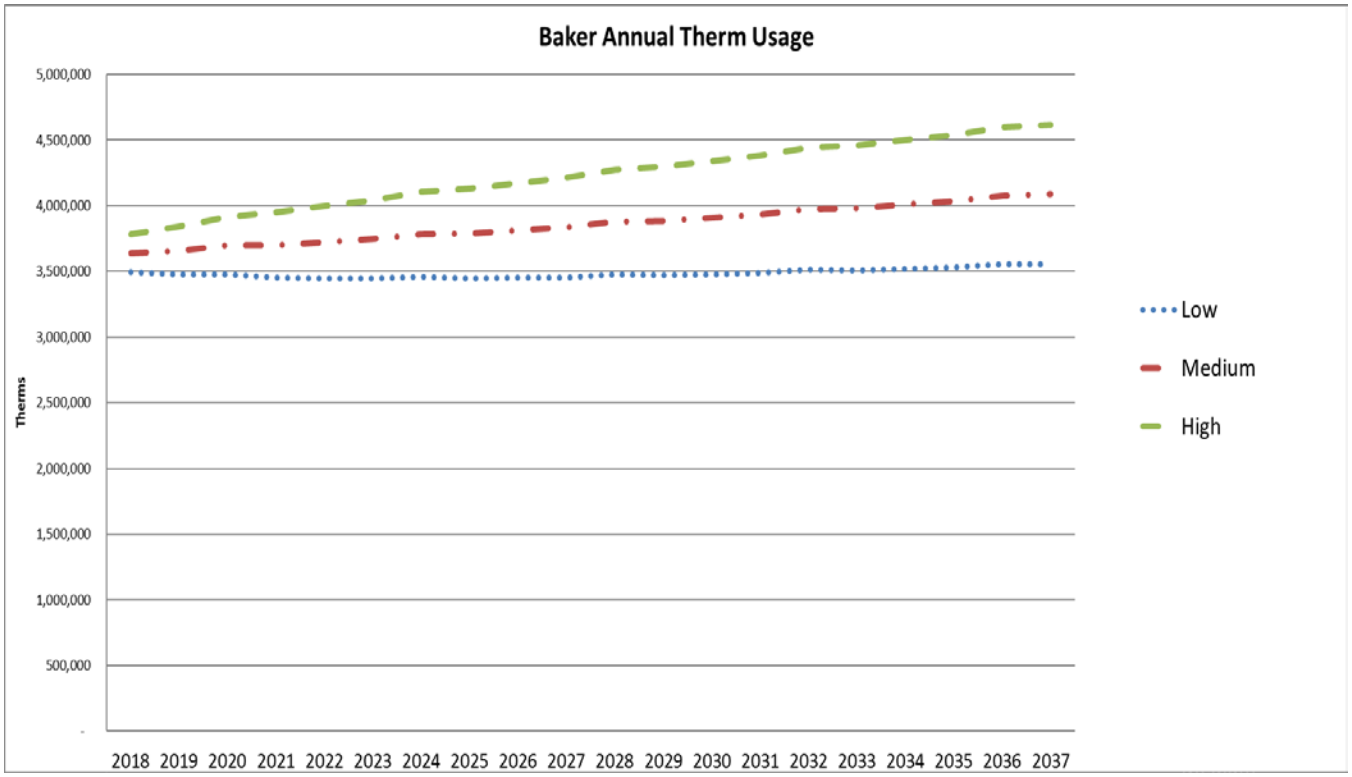
## Baker

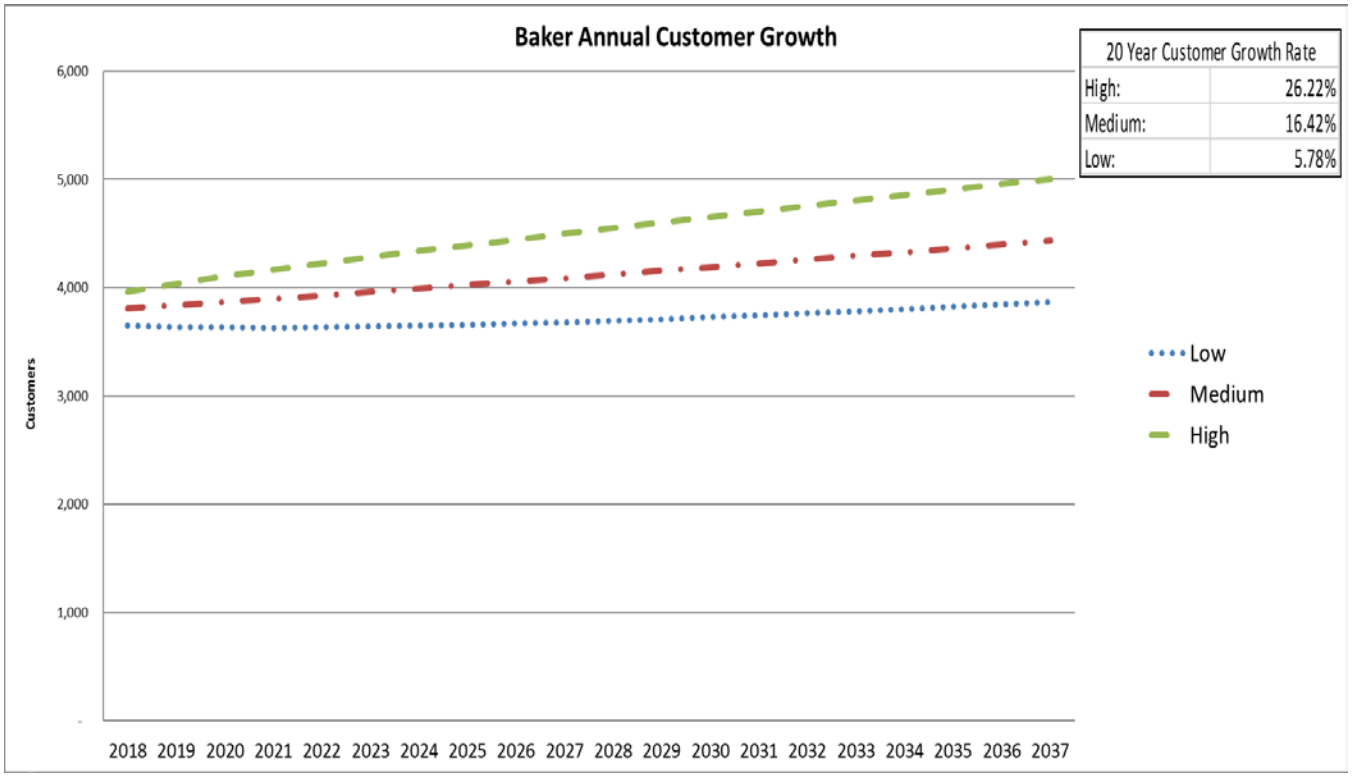
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,789,736 | 707,237 | 3,496,973 | 2,903,397 | 736,530 | 3,639,928 | 3,016,605 | 766,770 | 3,783,375 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,772,920 | 702,165 | 3,475,084 | 2,920,735 | 739,877 | 3,660,613 | 3,067,582 | 778,450 | 3,846,032 | -0.60% | -0.72% | -0.63% | 0.60% | 0.45% | 0.57% | 1.69% | 1.52% | 1.66% |
| 2020 | 2,777,478 | 698,638 | 3,476,116 | 2,954,446 | 743,225 | 3,697,670 | 3,129,686 | 787,896 | 3,917,582 | 0.16% | -0.50% | 0.03% | 1.15% | 0.45% | 1.01% | 2.02% | 1.21% | 1.86% |
| 2021 | 2,757,044 | 696,230 | 3,453,274 | 2,955,699 | 746,657 | 3,702,356 | 3,154,529 | 797,085 | 3,951,614 | -0.74% | -0.34% | -0.66% | 0.04% | 0.46% | 0.13% | 0.79% | 1.17% | 0.87% |
| 2022 | 2,753,863 | 694,164 | 3,448,027 | 2,973,157 | 750,090 | 3,723,247 | 3,193,325 | 805,156 | 3,998,482 | -0.12% | -0.30% | -0.15% | 0.59% | 0.46% | 0.56% | 1.23% | 1.01% | 1.19% |
| 2023 | 2,753,007 | 693,130 | 3,446,136 | 2,991,747 | 753,523 | 3,745,270 | 3,231,159 | 813,056 | 4,044,215 | -0.03% | -0.15% | -0.05% | 0.63% | 0.46% | 0.59% | 1.18% | 0.98% | 1.14% |
| 2024 | 2,768,766 | 692,267 | 3,461,033 | 3,027,269 | 757,041 | 3,784,310 | 3,286,092 | 820,870 | 4,106,961 | 0.57% | -0.12% | 0.43% | 1.19% | 0.47% | 1.04% | 1.70% | 0.96% | 1.55% |
| 2025 | 2,756,450 | 691,576 | 3,448,026 | 3,029,904 | 760,560 | 3,790,464 | 3,304,138 | 828,598 | 4,132,736 | -0.44% | -0.10% | -0.38% | 0.09% | 0.46% | 0.16% | 0.55% | 0.94% | 0.63% |
| 2026 | 2,759,835 | 691,917 | 3,451,752 | 3,049,045 | 764,078 | 3,813,123 | 3,339,112 | 836,326 | 4,175,438 | 0.12% | 0.05% | 0.11% | 0.63% | 0.46% | 0.60% | 1.06% | 0.93% | 1.03% |
| 2027 | 2,765,076 | 691,397 | 3,456,473 | 3,069,269 | 767,683 | 3,836,952 | 3,374,015 | 843,969 | 4,217,983 | 0.19% | -0.08% | 0.14% | 0.66% | 0.47% | 0.62% | 1.05% | 0.91% | 1.02% |
| 2028 | 2,784,897 | 691,909 | 3,476,806 | 3,105,607 | 771,287 | 3,876,894 | 3,426,107 | 850,665 | 4,276,773 | 0.72% | 0.07% | 0.59% | 1.18% | 0.47% | 1.04% | 1.54% | 0.79% | 1.39% |
| 2029 | 2,777,234 | 692,421 | 3,469,655 | 3,109,876 | 774,891 | 3,884,767 | 3,441,782 | 858,222 | 4,300,004 | -0.28% | 0.07% | -0.21% | 0.14% | 0.47% | 0.20% | 0.46% | 0.89% | 0.54% |
| 2030 | 2,784,931 | 693,104 | 3,478,036 | 3,129,627 | 779,442 | 3,909,069 | 3,475,823 | 864,918 | 4,340,741 | 0.28% | 0.10% | 0.24% | 0.64% | 0.59% | 0.63% | 0.99% | 0.78% | 0.95% |
| 2031 | 2,793,567 | 693,788 | 3,487,355 | 3,150,977 | 783,132 | 3,934,108 | 3,508,678 | 872,389 | 4,381,068 | 0.31% | 0.10% | 0.27% | 0.68% | 0.47% | 0.64% | 0.95% | 0.86% | 0.93% |
| 2032 | 2,816,573 | 695,417 | 3,511,990 | 3,189,706 | 786,822 | 3,976,527 | 3,561,719 | 879,000 | 4,440,719 | 0.82% | 0.23% | 0.71% | 1.23% | 0.47% | 1.08% | 1.51% | 0.76% | 1.36% |
| 2033 | 2,810,472 | 696,272 | 3,506,744 | 3,192,042 | 791,372 | 3,983,414 | 3,574,374 | 886,471 | 4,460,845 | -0.22% | 0.12% | -0.15% | 0.07% | 0.58% | 0.17% | 0.36% | 0.85% | 0.45% |
| 2034 | 2,820,941 | 697,127 | 3,518,068 | 3,214,314 | 795,148 | 4,009,461 | 3,607,814 | 893,082 | 4,500,896 | 0.37% | 0.12% | 0.32% | 0.70% | 0.48% | 0.65% | 0.94% | 0.75% | 0.90% |
| 2035 | 2,831,014 | 698,928 | 3,529,942 | 3,235,441 | 799,698 | 4,035,139 | 3,639,697 | 900,553 | 4,540,250 | 0.36% | 0.26% | 0.34% | 0.66% | 0.57% | 0.64% | 0.88% | 0.84% | 0.87% |
| 2036 | 2,857,643 | 700,729 | 3,558,372 | 3,275,706 | 803,474 | 4,079,180 | 3,692,645 | 907,078 | 4,599,723 | 0.94% | 0.26% | 0.81% | 1.24% | 0.47% | 1.09% | 1.45% | 0.72% | 1.31% |
| 2037 | 2,853,902 | 701,756 | 3,555,657 | 3,278,732 | 808,109 | 4,086,841 | 3,705,450 | 913,603 | 4,619,053 | -0.13% | 0.15% | -0.08% | 0.09% | 0.58% | 0.19% | 0.35% | 0.72% | 0.42% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 1,938 | 37,973 | 39,910 | 2,018 | 38,504 | 40,522 | 2,101 | 39,038 | 41,139 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,924 | 38,221 | 40,145 | 2,027 | 38,733 | 40,760 | 2,133 | 39,248 | 41,381 | -0.72% | 0.66% | 0.59% | 0.45% | 0.60% | 0.59% | 1.52% | 0.54% | 0.59% |
| 2020 | 1,914 | 38,466 | 40,380 | 2,036 | 38,963 | 40,999 | 2,159 | 39,464 | 41,623 | -0.50% | 0.64% | 0.58% | 0.45% | 0.59% | 0.58% | 1.21% | 0.55% | 0.58% |
| 2021 | 1,907 | 38,714 | 40,622 | 2,046 | 39,199 | 41,244 | 2,184 | 39,689 | 41,872 | -0.34% | 0.65% | 0.60% | 0.46% | 0.61% | 0.60% | 1.17% | 0.57% | 0.60% |
| 2022 | 1,902 | 38,962 | 40,864 | 2,055 | 39,435 | 41,490 | 2,206 | 39,916 | 42,122 | -0.30% | 0.64% | 0.60% | 0.46% | 0.60% | 0.60% | 1.01% | 0.57% | 0.60% |
| 2023 | 1,899 | 39,206 | 41,105 | 2,064 | 39,671 | 41,735 | 2,228 | 40,143 | 42,371 | -0.15% | 0.63% | 0.59% | 0.46% | 0.60% | 0.59% | 0.98% | 0.57% | 0.59% |
| 2024 | 1,897 | 39,458 | 41,354 | 2,074 | 39,914 | 41,988 | 2,249 | 40,378 | 42,627 | -0.12% | 0.64% | 0.61% | 0.47% | 0.61% | 0.61% | 0.96% | 0.59% | 0.61% |
| 2025 | 1,895 | 39,708 | 41,603 | 2,084 | 40,157 | 42,241 | 2,270 | 40,614 | 42,884 | -0.10% | 0.64% | 0.60% | 0.46% | 0.61% | 0.60% | 0.94% | 0.58% | 0.60% |
| 2026 | 1,896 | 39,963 | 41,859 | 2,093 | 40,407 | 42,500 | 2,291 | 40,856 | 43,147 | 0.05% | 0.64% | 0.61% | 0.46% | 0.62% | 0.61% | 0.93% | 0.60% | 0.61% |
| 2027 | 1,894 | 40,213 | 42,107 | 2,103 | 40,650 | 42,753 | 2,312 | 41,092 | 43,404 | -0.08% | 0.63% | 0.59% | 0.47% | 0.60% | 0.59% | 0.91% | 0.58% | 0.59% |
| 2028 | 1,896 | 40,475 | 42,370 | 2,113 | 40,906 | 43,020 | 2,331 | 41,344 | 43,675 | 0.07% | 0.65% | 0.62% | 0.47% | 0.63% | 0.62% | 0.79% | 0.61% | 0.62% |
| 2029 | 1,897 | 40,762 | 42,659 | 2,123 | 41,189 | 43,312 | 2,351 | 41,621 | 43,972 | 0.07% | 0.71% | 0.68% | 0.47% | 0.69% | 0.68% | 0.89% | 0.67% | 0.68% |
| 2030 | 1,899 | 41,022 | 42,921 | 2,135 | 41,444 | 43,579 | 2,370 | 41,873 | 44,243 | 0.10% | 0.64% | 0.62% | 0.59% | 0.62% | 0.62% | 0.78% | 0.61% | 0.62% |
| 2031 | 1,901 | 41,283 | 43,184 | 2,146 | 41,700 | 43,846 | 2,390 | 42,124 | 44,514 | 0.10% | 0.64% | 0.61% | 0.47% | 0.62% | 0.61% | 0.86% | 0.60% | 0.61% |
| 2032 | 1,905 | 41,574 | 43,480 | 2,156 | 41,990 | 44,146 | 2,408 | 42,410 | 44,818 | 0.23% | 0.70% | 0.68% | 0.47% | 0.70% | 0.68% | 0.76% | 0.68% | 0.68% |
| 2033 | 1,908 | 41,835 | 43,742 | 2,168 | 42,245 | 44,413 | 2,429 | 42,660 | 45,089 | 0.12% | 0.63% | 0.60% | 0.58% | 0.61% | 0.60% | 0.85% | 0.59% | 0.60% |
| 2034 | 1,910 | 42,102 | 44,012 | 2,178 | 42,508 | 44,687 | 2,447 | 42,920 | 45,367 | 0.12% | 0.64% | 0.62% | 0.48% | 0.62% | 0.62% | 0.75% | 0.61% | 0.62% |
| 2035 | 1,915 | 42,400 | 44,314 | 2,191 | 42,803 | 44,994 | 2,467 | 43,211 | 45,679 | 0.26% | 0.71% | 0.69% | 0.57% | 0.69% | 0.69% | 0.84% | 0.68% | 0.69% |
| 2036 | 1,920 | 42,664 | 44,584 | 2,201 | 43,066 | 45,267 | 2,485 | 43,472 | 45,957 | 0.26% | 0.62% | 0.61% | 0.47% | 0.62% | 0.61% | 0.72% | 0.60% | 0.61% |
| 2037 | 1,923 | 42,964 | 44,887 | 2,214 | 43,361 | 45,575 | 2,503 | 43,765 | 46,269 | 0.15% | 0.70% | 0.68% | 0.58% | 0.68% | 0.68% | 0.72% | 0.68% | 0.68% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,016,575 | 1,480,398 | 3,496,973 | 2,100,835 | 1,539,093 | 3,639,928 | 2,184,932 | 1,598,443 | 3,783,375 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,009,648 | 1,465,437 | 3,475,084 | 2,119,049 | 1,541,564 | 3,660,613 | 2,228,198 | 1,617,834 | 3,846,032 | -0.34% | -1.01% | -0.63% | 0.87% | 0.16% | 0.57% | 1.98% | 1.21% | 1.66% |
| 2020 | 2,017,018 | 1,459,099 | 3,476,116 | 2,146,833 | 1,550,837 | 3,697,670 | 2,276,733 | 1,640,849 | 3,917,582 | 0.37% | -0.43% | 0.03% | 1.31% | 0.60% | 1.01% | 2.18% | 1.42% | 1.86% |
| 2021 | 2,009,271 | 1,444,003 | 3,453,274 | 2,155,996 | 1,546,361 | 3,702,356 | 2,302,728 | 1,648,887 | 3,951,614 | -0.38% | -1.03% | -0.66% | 0.43% | -0.29% | 0.13% | 1.14% | 0.49% | 0.87% |
| 2022 | 2,012,322 | 1,435,706 | 3,448,027 | 2,174,639 | 1,548,608 | 3,723,247 | 2,336,747 | 1,661,734 | 3,998,482 | 0.15% | -0.57% | -0.15% | 0.86% | 0.15% | 0.56% | 1.48% | 0.78% | 1.19% |
| 2023 | 2,017,267 | 1,428,869 | 3,446,136 | 2,193,675 | 1,551,595 | 3,745,270 | 2,369,919 | 1,674,295 | 4,044,215 | 0.25% | -0.48% | -0.05% | 0.88% | 0.19% | 0.59% | 1.42% | 0.76% | 1.14% |
| 2024 | 2,032,634 | 1,428,399 | 3,461,033 | 2,222,933 | 1,561,377 | 3,784,310 | 2,413,291 | 1,693,670 | 4,106,961 | 0.76% | -0.03% | 0.43% | 1.33% | 0.63% | 1.04% | 1.83% | 1.16% | 1.55% |
| 2025 | 2,030,970 | 1,417,056 | 3,448,026 | 2,232,680 | 1,557,783 | 3,790,464 | 2,434,395 | 1,698,341 | 4,132,736 | -0.08% | -0.79% | -0.38% | 0.44% | -0.23% | 0.16% | 0.87% | 0.28% | 0.63% |
| 2026 | 2,039,350 | 1,412,401 | 3,451,752 | 2,252,352 | 1,560,771 | 3,813,123 | 2,465,679 | 1,709,759 | 4,175,438 | 0.41% | -0.33% | 0.11% | 0.88% | 0.19% | 0.60% | 1.29% | 0.67% | 1.03% |
| 2027 | 2,048,377 | 1,408,096 | 3,456,473 | 2,272,479 | 1,564,472 | 3,836,952 | 2,496,481 | 1,721,502 | 4,217,983 | 0.44% | -0.30% | 0.14% | 0.89% | 0.24% | 0.62% | 1.25% | 0.69% | 1.02% |
| 2028 | 2,066,731 | 1,410,075 | 3,476,806 | 2,302,239 | 1,574,655 | 3,876,894 | 2,537,647 | 1,739,126 | 4,276,773 | 0.90% | 0.14% | 0.59% | 1.31% | 0.65% | 1.04% | 1.65% | 1.02% | 1.39% |
| 2029 | 2,068,536 | 1,401,119 | 3,469,655 | 2,312,954 | 1,571,813 | 3,884,767 | 2,557,389 | 1,742,615 | 4,300,004 | 0.09% | -0.64% | -0.21% | 0.47% | -0.18% | 0.20% | 0.78% | 0.20% | 0.54% |
| 2030 | 2,079,502 | 1,398,534 | 3,478,036 | 2,333,364 | 1,575,705 | 3,909,069 | 2,587,557 | 1,753,185 | 4,340,741 | 0.53% | -0.18% | 0.24% | 0.88% | 0.25% | 0.63% | 1.18% | 0.61% | 0.95% |
| 2031 | 2,090,780 | 1,396,575 | 3,487,355 | 2,354,183 | 1,579,925 | 3,934,108 | 2,617,543 | 1,763,524 | 4,381,068 | 0.54% | -0.14% | 0.27% | 0.89% | 0.27% | 0.64% | 1.16% | 0.59% | 0.93% |
| 2032 | 2,112,127 | 1,399,863 | 3,511,990 | 2,385,531 | 1,590,997 | 3,976,527 | 2,659,114 | 1,781,606 | 4,440,719 | 1.02% | 0.24% | 0.71% | 1.33% | 0.70% | 1.08% | 1.59% | 1.03% | 1.36% |
| 2033 | 2,114,918 | 1,391,826 | 3,506,744 | 2,395,791 | 1,587,623 | 3,983,414 | 2,676,659 | 1,784,186 | 4,460,845 | 0.13% | -0.57% | -0.15% | 0.43% | -0.21% | 0.17% | 0.66% | 0.14% | 0.45% |
| 2034 | 2,127,576 | 1,390,492 | 3,518,068 | 2,416,960 | 1,592,501 | 4,009,461 | 2,706,290 | 1,794,606 | 4,500,896 | 0.60% | -0.10% | 0.32% | 0.88% | 0.31% | 0.65% | 1.11% | 0.58% | 0.90% |
| 2035 | 2,140,908 | 1,389,034 | 3,529,942 | 2,438,524 | 1,596,615 | 4,035,139 | 2,736,016 | 1,804,234 | 4,540,250 | 0.63% | -0.10% | 0.34% | 0.89% | 0.26% | 0.64% | 1.10% | 0.54% | 0.87% |
| 2036 | 2,164,050 | 1,394,322 | 3,558,372 | 2,470,712 | 1,608,468 | 4,079,180 | 2,777,432 | 1,822,291 | 4,599,723 | 1.08% | 0.38% | 0.81% | 1.32% | 0.74% | 1.09% | 1.51% | 1.00% | 1.31% |
| 2037 | 2,168,272 | 1,387,385 | 3,555,657 | 2,481,264 | 1,605,577 | 4,086,841 | 2,794,328 | 1,824,725 | 4,619,053 | 0.20% | -0.50% | -0.08% | 0.43% | -0.18% | 0.19% | 0.61% | 0.13% | 0.42% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,177 | 478 | 3,655 | 3,313 | 497 | 3,810 | 3,448 | 518 | 3,966 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,167 | 473 | 3,639 | 3,342 | 498 | 3,840 | 3,516 | 524 | 4,040 | -0.33% | -1.05% | -0.42% | 0.87% | 0.17% | 0.78% | 1.97% | 1.26% | 1.87% |
| 2020 | 3,165 | 469 | 3,633 | 3,371 | 499 | 3,870 | 3,577 | 529 | 4,106 | -0.07% | -0.85% | -0.17% | 0.87% | 0.17% | 0.78% | 1.73% | 1.02% | 1.64% |
| 2021 | 3,167 | 466 | 3,632 | 3,400 | 500 | 3,900 | 3,634 | 534 | 4,168 | 0.07% | -0.66% | -0.03% | 0.88% | 0.15% | 0.78% | 1.59% | 0.94% | 1.51% |
| 2022 | 3,172 | 463 | 3,635 | 3,430 | 501 | 3,931 | 3,688 | 539 | 4,227 | 0.17% | -0.59% | 0.07% | 0.88% | 0.18% | 0.79% | 1.50% | 0.80% | 1.41% |
| 2023 | 3,180 | 461 | 3,640 | 3,460 | 502 | 3,962 | 3,741 | 543 | 4,284 | 0.25% | -0.49% | 0.15% | 0.88% | 0.20% | 0.79% | 1.43% | 0.80% | 1.35% |
| 2024 | 3,190 | 458 | 3,648 | 3,491 | 503 | 3,994 | 3,792 | 547 | 4,339 | 0.31% | -0.47% | 0.21% | 0.89% | 0.20% | 0.80% | 1.37% | 0.75% | 1.29% |
| 2025 | 3,201 | 457 | 3,658 | 3,522 | 504 | 4,026 | 3,842 | 551 | 4,393 | 0.37% | -0.38% | 0.27% | 0.89% | 0.20% | 0.80% | 1.33% | 0.70% | 1.25% |
| 2026 | 3,215 | 455 | 3,670 | 3,553 | 505 | 4,058 | 3,892 | 555 | 4,446 | 0.42% | -0.37% | 0.32% | 0.88% | 0.20% | 0.80% | 1.29% | 0.68% | 1.21% |
| 2027 | 3,229 | 454 | 3,683 | 3,585 | 506 | 4,091 | 3,941 | 559 | 4,499 | 0.44% | -0.29% | 0.35% | 0.90% | 0.23% | 0.81% | 1.26% | 0.71% | 1.19% |
| 2028 | 3,245 | 452 | 3,697 | 3,617 | 507 | 4,124 | 3,989 | 562 | 4,551 | 0.48% | -0.28% | 0.39% | 0.89% | 0.26% | 0.81% | 1.23% | 0.66% | 1.16% |
| 2029 | 3,261 | 451 | 3,712 | 3,649 | 508 | 4,157 | 4,037 | 566 | 4,603 | 0.51% | -0.24% | 0.42% | 0.89% | 0.21% | 0.81% | 1.20% | 0.61% | 1.13% |
| 2030 | 3,278 | 450 | 3,729 | 3,682 | 510 | 4,191 | 4,085 | 569 | 4,654 | 0.53% | -0.20% | 0.44% | 0.89% | 0.28% | 0.81% | 1.19% | 0.63% | 1.12% |
| 2031 | 3,297 | 450 | 3,746 | 3,715 | 511 | 4,226 | 4,132 | 573 | 4,705 | 0.55% | -0.17% | 0.46% | 0.90% | 0.26% | 0.82% | 1.16% | 0.60% | 1.09% |
| 2032 | 3,316 | 449 | 3,764 | 3,748 | 512 | 4,260 | 4,180 | 576 | 4,756 | 0.58% | -0.17% | 0.49% | 0.89% | 0.26% | 0.81% | 1.15% | 0.63% | 1.08% |
| 2033 | 3,335 | 448 | 3,783 | 3,781 | 514 | 4,295 | 4,227 | 580 | 4,806 | 0.59% | -0.15% | 0.50% | 0.89% | 0.28% | 0.82% | 1.12% | 0.59% | 1.06% |
| 2034 | 3,355 | 448 | 3,803 | 3,815 | 515 | 4,330 | 4,274 | 583 | 4,857 | 0.60% | -0.11% | 0.52% | 0.89% | 0.29% | 0.82% | 1.11% | 0.59% | 1.05% |
| 2035 | 3,376 | 447 | 3,823 | 3,848 | 517 | 4,365 | 4,320 | 586 | 4,907 | 0.62% | -0.11% | 0.53% | 0.88% | 0.27% | 0.81% | 1.09% | 0.57% | 1.03% |
| 2036 | 3,397 | 447 | 3,844 | 3,882 | 518 | 4,400 | 4,366 | 590 | 4,956 | 0.63% | -0.04% | 0.56% | 0.88% | 0.31% | 0.81% | 1.07% | 0.57% | 1.01% |
| 2037 | 3,419 | 447 | 3,866 | 3,916 | 520 | 4,436 | 4,413 | 593 | 5,006 | 0.64% | -0.09% | 0.56% | 0.88% | 0.27% | 0.80% | 1.06% | 0.57% | 1.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 26.22% |
| Medium: | 16.42% |
| Low: | 5.78% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Bend Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 22,432,100 | 10,103,135 | 32,535,235 | 23,772,611 | 10,720,568 | 34,493,179 | 25,095,039 | 11,349,377 | 36,444,415 |
| 2019 | 22,896,335 | 10,276,899 | 33,173,234 | 24,316,672 | 10,964,836 | 35,281,508 | 25,739,412 | 11,651,514 | 37,390,925 |
| 2020 | 23,514,116 | 10,480,105 | 33,994,221 | 25,023,192 | 11,210,732 | 36,233,924 | 26,537,706 | 11,940,099 | 38,477,805 |
| 2021 | 23,863,772 | 10,679,036 | 34,542,808 | 25,427,473 | 11,458,461 | 36,885,934 | 26,995,473 | 12,237,680 | 39,233,152 |
| 2022 | 24,367,631 | 10,893,078 | 35,260,709 | 25,993,854 | 11,708,871 | 37,702,725 | 27,625,884 | 12,524,870 | 40,150,754 |
| 2023 | 24,889,559 | 11,099,685 | 35,989,244 | 26,570,769 | 11,961,321 | 38,532,089 | 28,254,563 | 12,812,840 | 41,067,403 |
| 2024 | 25,581,900 | 11,321,402 | 36,903,302 | 27,337,799 | 12,205,488 | 39,543,287 | 29,074,308 | 13,100,743 | 42,175,051 |
| 2025 | 25,960,268 | 11,544,540 | 37,504,808 | 27,750,316 | 12,461,398 | 40,211,714 | 29,528,650 | 13,389,219 | 42,917,869 |
| 2026 | 26,506,185 | 11,771,619 | 38,277,804 | 28,344,907 | 12,718,935 | 41,063,842 | 30,176,705 | 13,667,305 | 43,844,010 |
| 2027 | 27,060,656 | 12,000,119 | 39,060,775 | 28,942,940 | 12,978,100 | 41,921,039 | 30,823,254 | 13,957,134 | 44,780,387 |
| 2028 | 27,779,960 | 12,240,156 | 40,020,117 | 29,720,192 | 13,238,685 | 42,958,877 | 31,653,208 | 14,247,330 | 45,900,538 |
| 2029 | 28,177,781 | 12,471,498 | 40,649,279 | 30,146,482 | 13,498,790 | 43,645,272 | 32,118,827 | 14,526,083 | 46,644,910 |
| 2030 | 28,750,879 | 12,704,261 | 41,455,140 | 30,757,596 | 13,760,317 | 44,517,913 | 32,766,273 | 14,817,426 | 47,583,699 |
| 2031 | 29,314,800 | 12,947,736 | 42,262,536 | 31,368,807 | 14,021,385 | 45,390,193 | 33,424,491 | 15,095,035 | 48,519,525 |
| 2032 | 30,075,991 | 13,179,171 | 43,255,162 | 32,183,364 | 14,281,584 | 46,464,948 | 34,286,454 | 15,384,203 | 49,670,657 |
| 2033 | 30,454,522 | 13,422,166 | 43,876,688 | 32,587,189 | 14,541,531 | 47,128,720 | 34,725,735 | 15,660,690 | 50,386,425 |
| 2034 | 31,033,225 | 13,654,587 | 44,687,812 | 33,200,069 | 14,801,662 | 48,001,731 | 35,365,819 | 15,948,737 | 51,314,556 |
| 2035 | 31,609,788 | 13,897,308 | 45,507,096 | 33,818,384 | 15,060,075 | 48,878,459 | 36,029,445 | 16,223,897 | 52,253,342 |
| 2036 | 32,396,201 | 14,128,401 | 46,524,602 | 34,651,058 | 15,319,085 | 49,970,143 | 36,903,787 | 16,509,768 | 53,413,556 |
| 2037 | 32,773,707 | 14,371,054 | 47,144,761 | 35,051,899 | 15,577,430 | 50,629,329 | 37,333,716 | 16,784,013 | 54,117,729 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.07% | 1.72% | 1.96% | 2.29% | 2.28% | 2.29% | 2.57% | 2.66% | 2.60% |
| 2020 | 2.70% | 1.98% | 2.47% | 2.91% | 2.24% | 2.70% | 3.10% | 2.48% | 2.91% |
| 2021 | 1.49% | 1.90% | 1.61% | 1.62% | 2.21% | 1.80% | 1.72% | 2.49% | 1.96% |
| 2022 | 2.11% | 2.00% | 2.08% | 2.23% | 2.19% | 2.21% | 2.34% | 2.35% | 2.34% |
| 2023 | 2.14% | 1.90% | 2.07% | 2.22% | 2.16% | 2.20% | 2.28% | 2.30% | 2.28% |
| 2024 | 2.78% | 2.00% | 2.54% | 2.89% | 2.04% | 2.62% | 2.90% | 2.25% | 2.70% |
| 2025 | 1.48% | 1.97% | 1.63% | 1.51% | 2.10% | 1.69% | 1.56% | 2.20% | 1.76% |
| 2026 | 2.10% | 1.97% | 2.06% | 2.14% | 2.07% | 2.12% | 2.19% | 2.08% | 2.16% |
| 2027 | 2.09% | 1.94% | 2.05% | 2.11% | 2.04% | 2.09% | 2.14% | 2.12% | 2.14% |
| 2028 | 2.66% | 2.00% | 2.46% | 2.69% | 2.01% | 2.48% | 2.69% | 2.08% | 2.50% |
| 2029 | 1.43% | 1.89% | 1.57% | 1.43% | 1.96% | 1.60% | 1.47% | 1.96% | 1.62% |
| 2030 | 2.03% | 1.87% | 1.98% | 2.03% | 1.94% | 2.00% | 2.02% | 2.01% | 2.01% |
| 2031 | 1.96% | 1.92% | 1.95% | 1.99% | 1.90% | 1.96% | 2.01% | 1.87% | 1.97% |
| 2032 | 2.60% | 1.79% | 2.35% | 2.60% | 1.86% | 2.37% | 2.58% | 1.92% | 2.37% |
| 2033 | 1.26% | 1.84% | 1.44% | 1.25% | 1.82% | 1.43% | 1.28% | 1.80% | 1.44% |
| 2034 | 1.90% | 1.73% | 1.85% | 1.88% | 1.79% | 1.85% | 1.84% | 1.84% | 1.84% |
| 2035 | 1.86% | 1.78% | 1.83% | 1.86% | 1.75% | 1.83% | 1.88% | 1.73% | 1.83% |
| 2036 | 2.49% | 1.66% | 2.24% | 2.46% | 1.72% | 2.23% | 2.43% | 1.76% | 2.22% |
| 2037 | 1.17% | 1.72% | 1.33% | 1.16% | 1.69% | 1.32% | 1.16% | 1.66% | 1.32% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 27,680 | 340,956 | 368,636 | 29,371 | 344,915 | 374,286 | 31,094 | 348,891 | 379,985 |
| 2019 | 28,156 | 348,853 | 377,009 | 30,041 | 352,747 | 382,787 | 31,922 | 356,694 | 388,616 |
| 2020 | 28,713 | 356,567 | 385,280 | 30,714 | 360,470 | 391,185 | 32,713 | 364,428 | 397,141 |
| 2021 | 29,258 | 364,582 | 393,840 | 31,393 | 368,483 | 399,876 | 33,528 | 372,437 | 405,965 |
| 2022 | 29,844 | 372,668 | 402,512 | 32,079 | 376,602 | 408,681 | 34,315 | 380,589 | 414,904 |
| 2023 | 30,410 | 380,849 | 411,259 | 32,771 | 384,791 | 417,562 | 35,104 | 388,816 | 423,920 |
| 2024 | 31,018 | 389,079 | 420,096 | 33,440 | 393,095 | 426,535 | 35,892 | 397,137 | 433,030 |
| 2025 | 31,629 | 397,388 | 429,017 | 34,141 | 401,451 | 435,592 | 36,683 | 405,542 | 442,225 |
| 2026 | 32,251 | 405,753 | 438,004 | 34,846 | 409,870 | 444,717 | 37,445 | 414,044 | 451,488 |
| 2027 | 32,877 | 414,159 | 447,036 | 35,556 | 418,331 | 453,887 | 38,239 | 422,560 | 460,799 |
| 2028 | 33,535 | 422,600 | 456,135 | 36,270 | 426,856 | 463,126 | 39,034 | 431,144 | 470,178 |
| 2029 | 34,168 | 431,111 | 465,279 | 36,983 | 435,427 | 472,410 | 39,797 | 439,806 | 479,603 |
| 2030 | 34,806 | 439,662 | 474,468 | 37,699 | 444,041 | 481,740 | 40,596 | 448,480 | 489,076 |
| 2031 | 35,473 | 448,211 | 483,684 | 38,415 | 452,683 | 491,097 | 41,356 | 457,219 | 498,575 |
| 2032 | 36,107 | 456,760 | 492,868 | 39,128 | 461,294 | 500,421 | 42,149 | 465,893 | 508,041 |
| 2033 | 36,773 | 465,304 | 502,078 | 39,840 | 469,933 | 509,772 | 42,906 | 474,629 | 517,535 |
| 2034 | 37,410 | 473,845 | 511,255 | 40,552 | 478,538 | 519,091 | 43,695 | 483,300 | 526,995 |
| 2035 | 38,075 | 482,392 | 520,467 | 41,260 | 487,183 | 528,444 | 44,449 | 492,041 | 536,490 |
| 2036 | 38,708 | 490,998 | 529,706 | 41,970 | 495,854 | 537,824 | 45,232 | 500,781 | 546,013 |
| 2037 | 39,373 | 499,539 | 538,912 | 42,678 | 504,493 | 547,171 | 45,984 | 509,519 | 555,503 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.72% | 2.32% | 2.27% | 2.28% | 2.27% | 2.27% | 2.66% | 2.24% | 2.27% |
| 2020 | 1.98% | 2.21% | 2.19% | 2.24% | 2.19% | 2.19% | 2.48% | 2.17% | 2.19% |
| 2021 | 1.90% | 2.25% | 2.22% | 2.21% | 2.22% | 2.22% | 2.49% | 2.20% | 2.22% |
| 2022 | 2.00% | 2.22% | 2.20% | 2.19% | 2.20% | 2.20% | 2.35% | 2.19% | 2.20% |
| 2023 | 1.90% | 2.20% | 2.17% | 2.16% | 2.17% | 2.17% | 2.30% | 2.16% | 2.17% |
| 2024 | 2.00% | 2.16% | 2.15% | 2.04% | 2.16% | 2.15% | 2.25% | 2.14% | 2.15% |
| 2025 | 1.97% | 2.14% | 2.12% | 2.10% | 2.13% | 2.12% | 2.20% | 2.12% | 2.12% |
| 2026 | 1.97% | 2.10% | 2.09% | 2.07% | 2.10% | 2.09% | 2.08% | 2.10% | 2.09% |
| 2027 | 1.94% | 2.07% | 2.06% | 2.04% | 2.06% | 2.06% | 2.12% | 2.06% | 2.06% |
| 2028 | 2.00% | 2.04% | 2.04% | 2.01% | 2.04% | 2.04% | 2.08% | 2.03% | 2.04% |
| 2029 | 1.89% | 2.01% | 2.00% | 1.96% | 2.01% | 2.00% | 1.96% | 2.01% | 2.00% |
| 2030 | 1.87% | 1.98% | 1.97% | 1.94% | 1.98% | 1.97% | 2.01% | 1.97% | 1.97% |
| 2031 | 1.92% | 1.94% | 1.94% | 1.90% | 1.95% | 1.94% | 1.87% | 1.95% | 1.94% |
| 2032 | 1.79% | 1.91% | 1.90% | 1.86% | 1.90% | 1.90% | 1.92% | 1.90% | 1.90% |
| 2033 | 1.84% | 1.87% | 1.87% | 1.82% | 1.87% | 1.87% | 1.80% | 1.88% | 1.87% |
| 2034 | 1.73% | 1.84% | 1.83% | 1.79% | 1.83% | 1.83% | 1.84% | 1.83% | 1.83% |
| 2035 | 1.78% | 1.80% | 1.80% | 1.75% | 1.81% | 1.80% | 1.73% | 1.81% | 1.80% |
| 2036 | 1.66% | 1.78% | 1.78% | 1.72% | 1.78% | 1.78% | 1.76% | 1.78% | 1.78% |
| 2037 | 1.72% | 1.74% | 1.74% | 1.69% | 1.74% | 1.74% | 1.66% | 1.74% | 1.74% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 20,690,666 | 11,844,570 | 32,535,235 | 22,159,010 | 12,334,170 | 34,493,179 | 23,627,383 | 12,817,032 | 36,444,415 |
| 2019 | 21,236,750 | 11,936,484 | 33,173,234 | 22,720,265 | 12,561,243 | 35,281,508 | 24,204,025 | 13,186,901 | 37,390,925 |
| 2020 | 21,888,618 | 12,105,602 | 33,994,221 | 23,394,387 | 12,839,537 | 36,233,924 | 24,900,065 | 13,577,740 | 38,477,805 |
| 2021 | 22,358,982 | 12,183,826 | 34,542,808 | 23,873,960 | 13,011,974 | 36,885,934 | 25,388,532 | 13,844,620 | 39,233,152 |
| 2022 | 22,933,716 | 12,326,993 | 35,260,709 | 24,464,620 | 13,238,105 | 37,702,725 | 25,995,232 | 14,155,522 | 40,150,754 |
| 2023 | 23,520,324 | 12,468,920 | 35,989,244 | 25,067,435 | 13,464,655 | 38,532,089 | 26,614,437 | 14,452,965 | 41,067,403 |
| 2024 | 24,225,412 | 12,677,890 | 36,903,302 | 25,796,256 | 13,747,031 | 39,543,287 | 27,366,987 | 14,808,064 | 42,175,051 |
| 2025 | 24,726,385 | 12,778,423 | 37,504,808 | 26,306,917 | 13,904,797 | 40,211,714 | 27,887,469 | 15,030,400 | 42,917,869 |
| 2026 | 25,343,027 | 12,934,777 | 38,277,804 | 26,940,716 | 14,123,127 | 41,063,842 | 28,538,469 | 15,305,541 | 43,844,010 |
| 2027 | 25,968,981 | 13,091,794 | 39,060,775 | 27,584,047 | 14,336,992 | 41,921,039 | 29,199,138 | 15,581,250 | 44,780,387 |
| 2028 | 26,717,152 | 13,302,964 | 40,020,117 | 28,356,736 | 14,602,141 | 42,958,877 | 29,996,478 | 15,904,060 | 45,900,538 |
| 2029 | 27,248,266 | 13,401,013 | 40,649,279 | 28,898,807 | 14,746,466 | 43,645,272 | 30,549,440 | 16,095,470 | 46,644,910 |
| 2030 | 27,901,855 | 13,553,285 | 41,455,140 | 29,570,697 | 14,947,216 | 44,517,913 | 31,239,518 | 16,344,181 | 47,583,699 |
| 2031 | 28,560,944 | 13,701,592 | 42,262,536 | 30,247,954 | 15,142,239 | 45,390,193 | 31,935,053 | 16,584,472 | 48,519,525 |
| 2032 | 29,353,508 | 13,901,654 | 43,255,162 | 31,066,800 | 15,398,148 | 46,464,948 | 32,779,940 | 16,890,717 | 49,670,657 |
| 2033 | 29,892,296 | 13,984,392 | 43,876,688 | 31,616,418 | 15,512,302 | 47,128,720 | 33,340,314 | 17,046,111 | 50,386,425 |
| 2034 | 30,567,128 | 14,120,684 | 44,687,812 | 32,309,970 | 15,691,761 | 48,001,731 | 34,052,568 | 17,261,988 | 51,314,556 |
| 2035 | 31,249,398 | 14,257,698 | 45,507,096 | 33,011,154 | 15,867,305 | 48,878,459 | 34,772,892 | 17,480,450 | 52,253,342 |
| 2036 | 32,075,466 | 14,449,136 | 46,524,602 | 33,864,319 | 16,105,824 | 49,970,143 | 35,653,120 | 17,760,436 | 53,413,556 |
| 2037 | 32,626,365 | 14,518,395 | 47,144,761 | 34,426,334 | 16,202,995 | 50,629,329 | 36,226,345 | 17,891,384 | 54,117,729 |

Annual Change

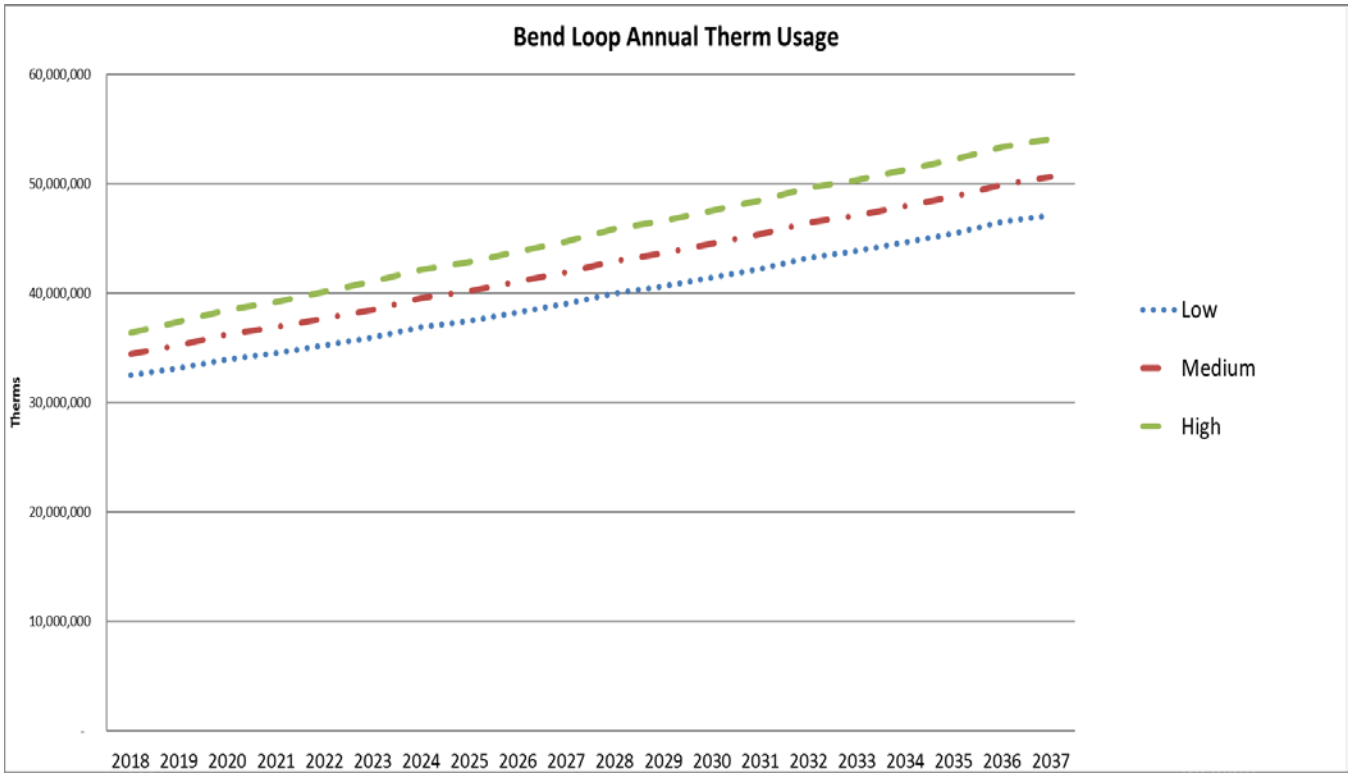
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.64% | 0.78% | 1.96% | 2.53% | 1.84% | 2.29% | 2.44% | 2.89% | 2.60% |
| 2020 | 3.07% | 1.42% | 2.47% | 2.97% | 2.22% | 2.70% | 2.88% | 2.96% | 2.91% |
| 2021 | 2.15% | 0.65% | 1.61% | 2.05% | 1.34% | 1.80% | 1.96% | 1.97% | 1.96% |
| 2022 | 2.57% | 1.18% | 2.08% | 2.47% | 1.74% | 2.21% | 2.39% | 2.25% | 2.34% |
| 2023 | 2.56% | 1.15% | 2.07% | 2.46% | 1.71% | 2.20% | 2.38% | 2.10% | 2.28% |
| 2024 | 3.00% | 1.68% | 2.54% | 2.91% | 2.10% | 2.62% | 2.83% | 2.46% | 2.70% |
| 2025 | 2.07% | 0.79% | 1.63% | 1.98% | 1.15% | 1.69% | 1.90% | 1.50% | 1.76% |
| 2026 | 2.49% | 1.22% | 2.06% | 2.41% | 1.57% | 2.12% | 2.33% | 1.83% | 2.16% |
| 2027 | 2.47% | 1.21% | 2.05% | 2.39% | 1.51% | 2.09% | 2.32% | 1.80% | 2.14% |
| 2028 | 2.88% | 1.61% | 2.46% | 2.80% | 1.85% | 2.48% | 2.73% | 2.07% | 2.50% |
| 2029 | 1.99% | 0.74% | 1.57% | 1.91% | 0.99% | 1.60% | 1.84% | 1.20% | 1.62% |
| 2030 | 2.40% | 1.14% | 1.98% | 2.32% | 1.36% | 2.00% | 2.26% | 1.55% | 2.01% |
| 2031 | 2.36% | 1.09% | 1.95% | 2.29% | 1.30% | 1.96% | 2.23% | 1.47% | 1.97% |
| 2032 | 2.77% | 1.46% | 2.35% | 2.71% | 1.69% | 2.37% | 2.65% | 1.85% | 2.37% |
| 2033 | 1.84% | 0.60% | 1.44% | 1.77% | 0.74% | 1.43% | 1.71% | 0.92% | 1.44% |
| 2034 | 2.26% | 0.97% | 1.85% | 2.19% | 1.16% | 1.85% | 2.14% | 1.27% | 1.84% |
| 2035 | 2.23% | 0.97% | 1.83% | 2.17% | 1.12% | 1.83% | 2.12% | 1.27% | 1.83% |
| 2036 | 2.64% | 1.34% | 2.24% | 2.58% | 1.50% | 2.23% | 2.53% | 1.60% | 2.22% |
| 2037 | 1.72% | 0.48% | 1.33% | 1.66% | 0.60% | 1.32% | 1.61% | 0.74% | 1.32% |

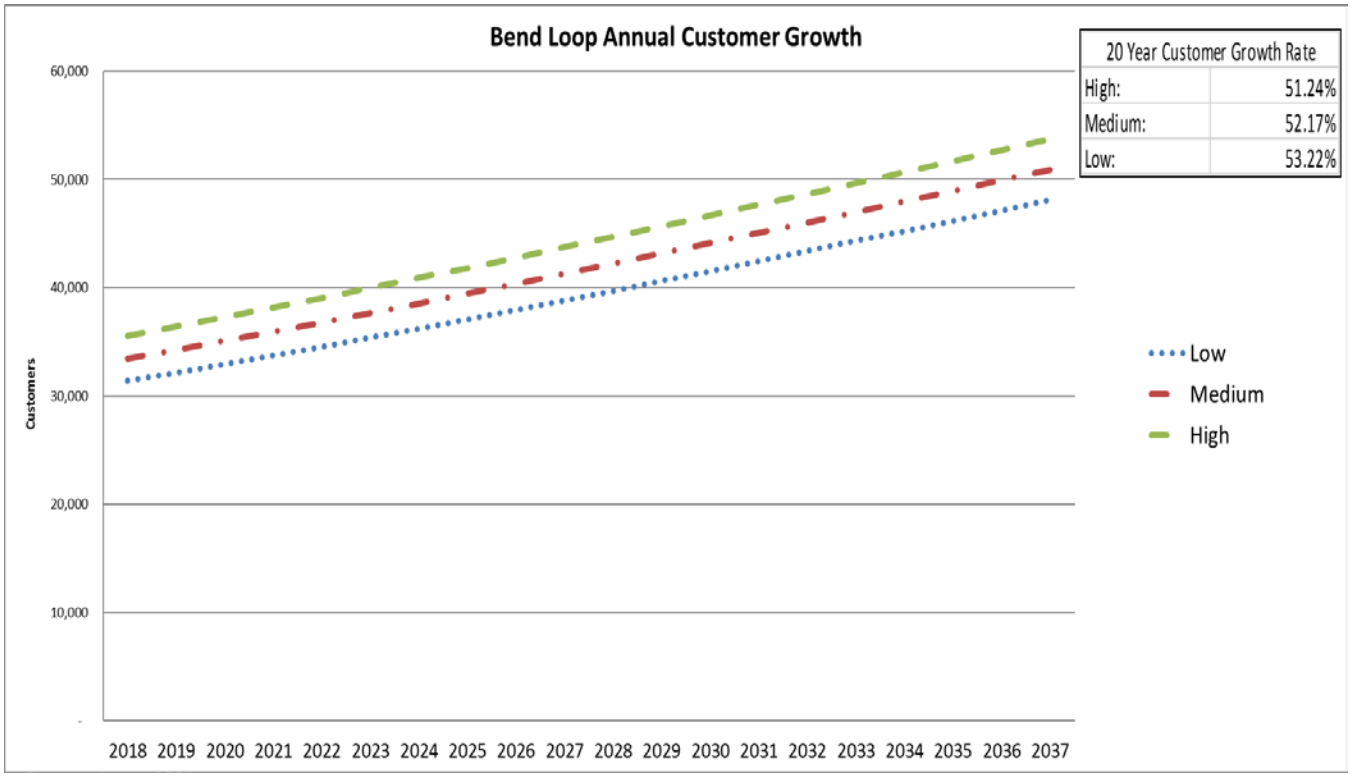
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 27,276 | 4,123 | 31,400 | 29,228 | 4,243 | 33,471 | 31,180 | 4,362 | 35,541 |
| 2019 | 27,997 | 4,165 | 32,162 | 29,969 | 4,319 | 34,288 | 31,941 | 4,472 | 36,413 |
| 2020 | 28,731 | 4,213 | 32,945 | 30,724 | 4,394 | 35,118 | 32,716 | 4,575 | 37,291 |
| 2021 | 29,479 | 4,265 | 33,743 | 31,492 | 4,470 | 35,962 | 33,505 | 4,675 | 38,180 |
| 2022 | 30,240 | 4,319 | 34,558 | 32,274 | 4,545 | 36,819 | 34,308 | 4,771 | 39,079 |
| 2023 | 31,014 | 4,373 | 35,387 | 33,070 | 4,619 | 37,689 | 35,126 | 4,865 | 39,991 |
| 2024 | 31,803 | 4,428 | 36,231 | 33,880 | 4,692 | 38,573 | 35,958 | 4,956 | 40,914 |
| 2025 | 32,604 | 4,484 | 37,088 | 34,704 | 4,765 | 39,469 | 36,804 | 5,045 | 41,849 |
| 2026 | 33,418 | 4,540 | 37,958 | 35,541 | 4,836 | 40,377 | 37,663 | 5,132 | 42,795 |
| 2027 | 34,244 | 4,594 | 38,839 | 36,390 | 4,906 | 41,296 | 38,535 | 5,217 | 43,753 |
| 2028 | 35,083 | 4,649 | 39,731 | 37,251 | 4,974 | 42,226 | 39,420 | 5,300 | 44,720 |
| 2029 | 35,933 | 4,702 | 40,635 | 38,126 | 5,041 | 43,166 | 40,318 | 5,380 | 45,698 |
| 2030 | 36,796 | 4,754 | 41,550 | 39,012 | 5,106 | 44,118 | 41,229 | 5,459 | 46,687 |
| 2031 | 37,666 | 4,804 | 42,470 | 39,907 | 5,169 | 45,076 | 42,147 | 5,534 | 47,681 |
| 2032 | 38,543 | 4,853 | 43,396 | 40,808 | 5,231 | 46,038 | 43,072 | 5,608 | 48,680 |
| 2033 | 39,427 | 4,901 | 44,327 | 41,716 | 5,290 | 47,006 | 44,005 | 5,679 | 49,684 |
| 2034 | 40,318 | 4,947 | 45,264 | 42,632 | 5,347 | 47,979 | 44,946 | 5,748 | 50,693 |
| 2035 | 41,215 | 4,992 | 46,207 | 43,554 | 5,403 | 48,957 | 45,893 | 5,814 | 51,708 |
| 2036 | 42,120 | 5,035 | 47,155 | 44,484 | 5,457 | 49,941 | 46,849 | 5,879 | 52,728 |
| 2037 | 43,033 | 5,077 | 48,110 | 45,422 | 5,510 | 50,932 | 47,812 | 5,942 | 53,754 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.64% | 1.02% | 2.43% | 2.54% | 1.80% | 2.44% | 2.44% | 2.53% | 2.45% |
| 2020 | 2.62% | 1.16% | 2.43% | 2.52% | 1.75% | 2.42% | 2.43% | 2.31% | 2.41% |
| 2021 | 2.60% | 1.22% | 2.42% | 2.50% | 1.71% | 2.40% | 2.41% | 2.17% | 2.38% |
| 2022 | 2.58% | 1.26% | 2.41% | 2.48% | 1.68% | 2.38% | 2.40% | 2.06% | 2.36% |
| 2023 | 2.56% | 1.26% | 2.40% | 2.47% | 1.64% | 2.36% | 2.38% | 1.97% | 2.33% |
| 2024 | 2.54% | 1.27% | 2.39% | 2.45% | 1.59% | 2.35% | 2.37% | 1.88% | 2.31% |
| 2025 | 2.52% | 1.25% | 2.36% | 2.43% | 1.54% | 2.32% | 2.35% | 1.80% | 2.28% |
| 2026 | 2.50% | 1.24% | 2.35% | 2.41% | 1.50% | 2.30% | 2.33% | 1.72% | 2.26% |
| 2027 | 2.47% | 1.21% | 2.32% | 2.39% | 1.45% | 2.28% | 2.32% | 1.66% | 2.24% |
| 2028 | 2.45% | 1.18% | 2.30% | 2.37% | 1.39% | 2.25% | 2.30% | 1.58% | 2.21% |
| 2029 | 2.42% | 1.14% | 2.27% | 2.35% | 1.34% | 2.23% | 2.28% | 1.52% | 2.19% |
| 2030 | 2.40% | 1.11% | 2.25% | 2.33% | 1.29% | 2.21% | 2.26% | 1.45% | 2.16% |
| 2031 | 2.36% | 1.06% | 2.22% | 2.29% | 1.24% | 2.17% | 2.23% | 1.38% | 2.13% |
| 2032 | 2.33% | 1.02% | 2.18% | 2.26% | 1.19% | 2.13% | 2.20% | 1.33% | 2.10% |
| 2033 | 2.29% | 0.98% | 2.15% | 2.23% | 1.13% | 2.10% | 2.17% | 1.27% | 2.06% |
| 2034 | 2.26% | 0.94% | 2.11% | 2.19% | 1.09% | 2.07% | 2.14% | 1.21% | 2.03% |
| 2035 | 2.23% | 0.90% | 2.08% | 2.16% | 1.04% | 2.04% | 2.11% | 1.16% | 2.00% |
| 2036 | 2.20% | 0.87% | 2.05% | 2.14% | 1.00% | 2.01% | 2.08% | 1.11% | 1.97% |
| 2037 | 2.17% | 0.84% | 2.03% | 2.11% | 0.96% | 1.98% | 2.06% | 1.07% | 1.95% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.24% |
| Medium: | 52.17% |
| Low: | 53.22% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

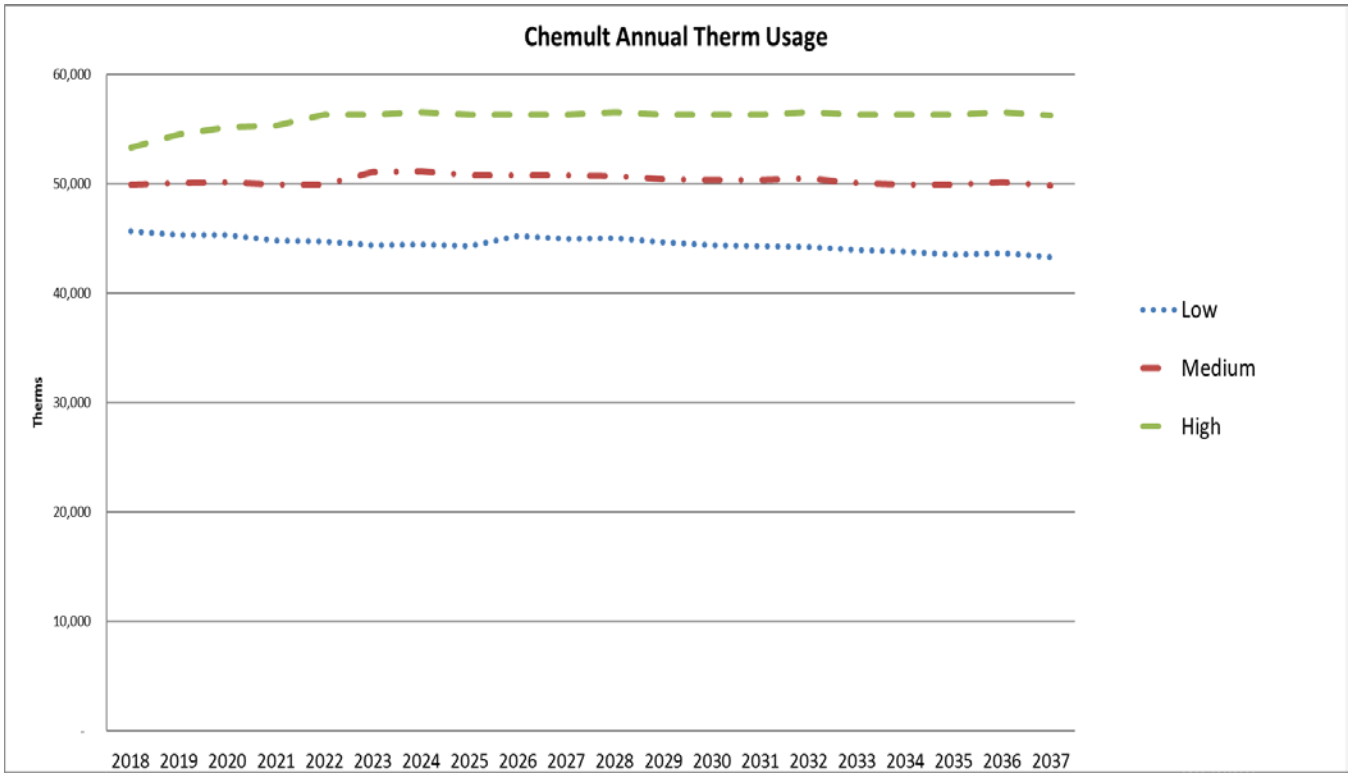
## Chemult

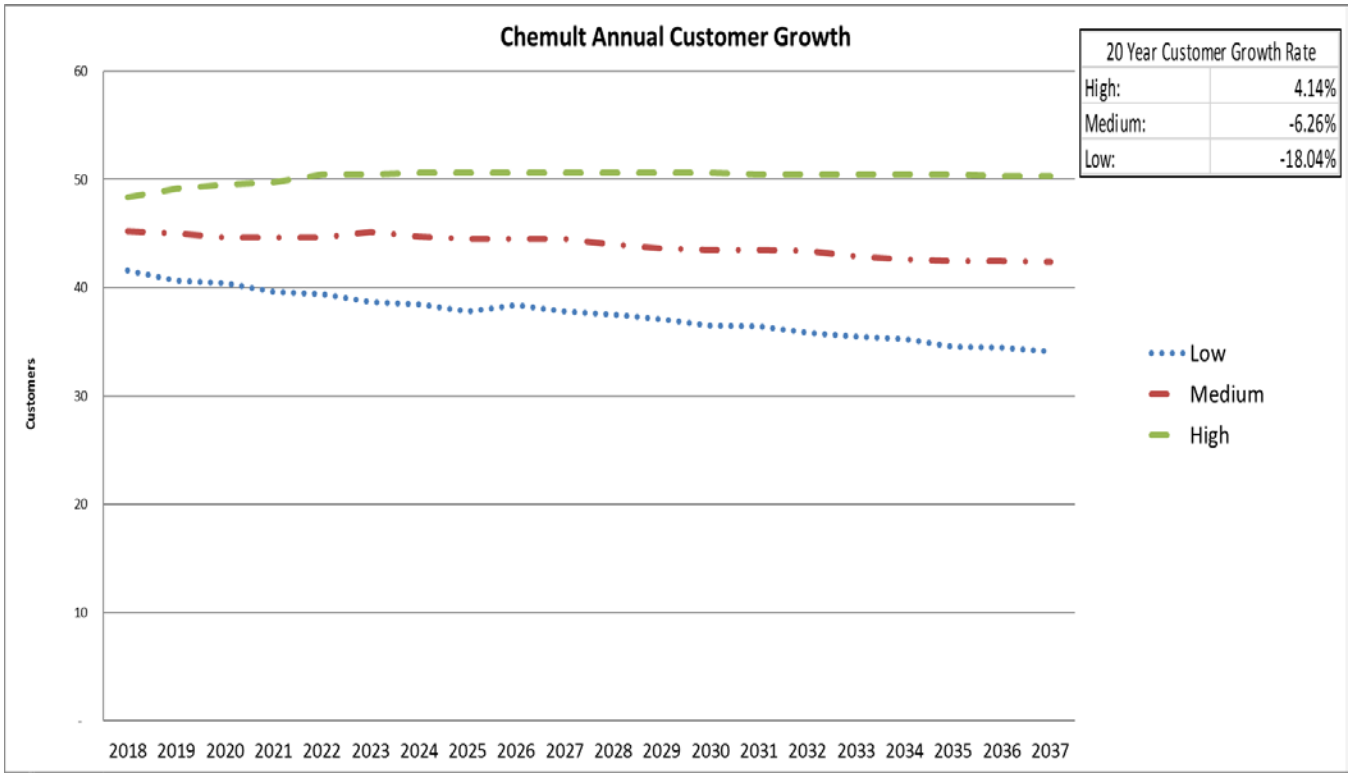
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 30,329 | 15,365 | 45,694 | 32,997 | 16,953 | 49,949 | 34,806 | 18,541 | 53,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 30,029 | 15,271 | 45,300 | 33,107 | 16,953 | 50,060 | 36,004 | 18,541 | 54,545 | -0.99% | -0.61% | -0.86% | 0.33% | 0.00% | 0.22% | 3.44% | 0.00% | 2.25% |
| 2020 | 30,083 | 15,271 | 45,354 | 33,281 | 16,859 | 50,140 | 36,659 | 18,541 | 55,199 | 0.18% | 0.00% | 0.12% | 0.53% | -0.55% | 0.16% | 1.82% | 0.00% | 1.20% |
| 2021 | 29,678 | 15,177 | 44,855 | 33,079 | 16,859 | 49,938 | 36,812 | 18,541 | 55,352 | -1.35% | -0.61% | -1.10% | -0.61% | 0.00% | -0.40% | 0.42% | 0.00% | 0.28% |
| 2022 | 29,549 | 15,177 | 44,726 | 33,079 | 16,859 | 49,938 | 37,097 | 19,241 | 56,338 | -0.43% | 0.00% | -0.29% | 0.00% | 0.00% | 0.00% | 0.78% | 3.78% | 1.78% |
| 2023 | 29,326 | 15,084 | 44,410 | 33,537 | 17,559 | 51,096 | 37,097 | 19,241 | 56,338 | -0.75% | -0.62% | -0.71% | 1.39% | 4.15% | 2.32% | 0.00% | 0.00% | 0.00% |
| 2024 | 29,391 | 15,084 | 44,475 | 33,665 | 17,465 | 51,130 | 37,348 | 19,241 | 56,588 | 0.22% | 0.00% | 0.15% | 0.38% | -0.53% | 0.07% | 0.67% | 0.00% | 0.44% |
| 2025 | 29,336 | 14,990 | 44,326 | 33,345 | 17,465 | 50,810 | 37,118 | 19,241 | 56,358 | -0.19% | -0.62% | -0.33% | -0.95% | 0.00% | -0.63% | -0.62% | 0.00% | -0.41% |
| 2026 | 29,540 | 15,690 | 45,230 | 33,345 | 17,465 | 50,810 | 37,118 | 19,241 | 56,358 | 0.70% | 4.67% | 2.04% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 29,309 | 15,690 | 44,999 | 33,345 | 17,465 | 50,810 | 37,118 | 19,241 | 56,358 | -0.78% | 0.00% | -0.51% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 29,423 | 15,596 | 45,019 | 33,296 | 17,465 | 50,761 | 37,348 | 19,241 | 56,588 | 0.39% | -0.60% | 0.05% | -0.15% | 0.00% | -0.10% | 0.62% | 0.00% | 0.41% |
| 2029 | 29,056 | 15,596 | 44,652 | 33,055 | 17,371 | 50,426 | 37,118 | 19,241 | 56,358 | -1.25% | 0.00% | -0.82% | -0.72% | -0.54% | -0.66% | -0.62% | 0.00% | -0.41% |
| 2030 | 28,889 | 15,502 | 44,391 | 32,993 | 17,371 | 50,364 | 37,118 | 19,241 | 56,358 | -0.58% | -0.60% | -0.58% | -0.19% | 0.00% | -0.12% | 0.00% | 0.00% | 0.00% |
| 2031 | 28,837 | 15,502 | 44,339 | 32,993 | 17,371 | 50,364 | 37,097 | 19,241 | 56,338 | -0.18% | 0.00% | -0.12% | 0.00% | 0.00% | 0.00% | -0.06% | 0.00% | -0.04% |
| 2032 | 28,785 | 15,502 | 44,287 | 33,147 | 17,371 | 50,518 | 37,327 | 19,241 | 56,568 | -0.18% | 0.00% | -0.12% | 0.47% | 0.00% | 0.31% | 0.62% | 0.00% | 0.41% |
| 2033 | 28,537 | 15,408 | 43,946 | 32,731 | 17,371 | 50,102 | 37,097 | 19,241 | 56,338 | -0.86% | -0.61% | -0.77% | -1.26% | 0.00% | -0.82% | -0.62% | 0.00% | -0.41% |
| 2034 | 28,402 | 15,408 | 43,811 | 32,683 | 17,278 | 49,961 | 37,097 | 19,241 | 56,338 | -0.47% | 0.00% | -0.31% | -0.15% | -0.54% | -0.28% | 0.00% | 0.00% | 0.00% |
| 2035 | 28,227 | 15,315 | 43,542 | 32,642 | 17,278 | 49,919 | 37,097 | 19,241 | 56,338 | -0.62% | -0.61% | -0.61% | -0.13% | 0.00% | -0.08% | 0.00% | 0.00% | 0.00% |
| 2036 | 28,363 | 15,315 | 43,678 | 32,845 | 17,278 | 50,123 | 37,283 | 19,241 | 56,524 | 0.48% | 0.00% | 0.31% | 0.62% | 0.00% | 0.41% | 0.50% | 0.00% | 0.33% |
| 2037 | 28,001 | 15,315 | 43,316 | 32,590 | 17,278 | 49,868 | 37,053 | 19,241 | 56,294 | -1.27% | 0.00% | -0.83% | -0.78% | 0.00% | -0.51% | -0.62% | 0.00% | -0.41% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 42 | 385 | 427 | 46 | 387 | 434 | 51 | 390 | 440 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 42 | 382 | 423 | 46 | 383 | 430 | 51 | 386 | 436 | -0.61% | -0.90% | -0.87% | 0.00% | -0.97% | -0.87% | 0.00% | -0.98% | -0.87% |
| 2020 | 42 | 382 | 423 | 46 | 384 | 430 | 51 | 386 | 436 | 0.00% | 0.00% | 0.00% | -0.55% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | 42 | 382 | 423 | 46 | 384 | 430 | 51 | 386 | 436 | -0.61% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 42 | 398 | 439 | 46 | 400 | 446 | 53 | 400 | 453 | 0.00% | 4.17% | 3.76% | 0.00% | 4.22% | 3.76% | 3.78% | 3.76% | 3.76% |
| 2023 | 41 | 398 | 439 | 48 | 398 | 446 | 53 | 400 | 453 | -0.62% | 0.06% | 0.00% | 4.15% | -0.48% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 41 | 394 | 436 | 48 | 395 | 442 | 53 | 396 | 449 | 0.00% | -0.93% | -0.84% | -0.53% | -0.88% | -0.84% | 0.00% | -0.95% | -0.84% |
| 2025 | 41 | 395 | 436 | 48 | 395 | 442 | 53 | 396 | 449 | -0.62% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 43 | 393 | 436 | 48 | 395 | 442 | 53 | 396 | 449 | 4.67% | -0.49% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 43 | 393 | 436 | 48 | 395 | 442 | 53 | 396 | 449 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 43 | 393 | 436 | 48 | 395 | 442 | 53 | 396 | 449 | -0.60% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 43 | 389 | 432 | 48 | 391 | 439 | 53 | 393 | 445 | 0.00% | -0.94% | -0.85% | -0.54% | -0.89% | -0.85% | 0.00% | -0.96% | -0.85% |
| 2030 | 42 | 389 | 432 | 48 | 391 | 439 | 53 | 393 | 445 | -0.60% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 42 | 389 | 432 | 48 | 391 | 439 | 53 | 393 | 445 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 42 | 389 | 432 | 48 | 391 | 439 | 53 | 393 | 445 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | 42 | 386 | 428 | 48 | 387 | 435 | 53 | 389 | 441 | -0.61% | -0.88% | -0.86% | 0.00% | -0.96% | -0.86% | 0.00% | -0.97% | -0.86% |
| 2034 | 42 | 386 | 428 | 47 | 387 | 435 | 53 | 389 | 441 | 0.00% | 0.00% | 0.00% | -0.54% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 42 | 386 | 428 | 47 | 387 | 435 | 53 | 389 | 441 | -0.61% | 0.07% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 42 | 386 | 428 | 47 | 387 | 435 | 53 | 389 | 441 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | 42 | 386 | 428 | 47 | 387 | 435 | 53 | 389 | 441 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,095 | 35,598 | 45,694 | 10,879 | 39,070 | 49,949 | 11,553 | 41,794 | 53,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 9,702 | 35,598 | 45,300 | 10,714 | 39,346 | 50,060 | 11,727 | 42,818 | 54,545 | -3.90% | 0.00% | -0.86% | -1.52% | 0.70% | 0.22% | 1.51% | 2.45% | 2.25% |
| 2020 | 9,615 | 35,740 | 45,354 | 10,638 | 39,502 | 50,140 | 11,935 | 43,264 | 55,199 | -0.90% | 0.40% | 0.12% | -0.71% | 0.40% | 0.16% | 1.78% | 1.04% | 1.20% |
| 2021 | 9,257 | 35,598 | 44,855 | 10,592 | 39,346 | 49,938 | 11,898 | 43,454 | 55,352 | -3.72% | -0.40% | -1.10% | -0.43% | -0.40% | -0.40% | -0.31% | 0.44% | 0.28% |
| 2022 | 9,128 | 35,598 | 44,726 | 10,592 | 39,346 | 49,938 | 11,928 | 44,410 | 56,338 | -1.39% | 0.00% | -0.29% | 0.00% | 0.00% | 0.00% | 0.25% | 2.20% | 1.78% |
| 2023 | 8,811 | 35,598 | 44,410 | 10,434 | 40,663 | 51,096 | 11,928 | 44,410 | 56,338 | -3.47% | 0.00% | -0.71% | -1.50% | 3.35% | 2.32% | 0.00% | 0.00% | 0.00% |
| 2024 | 8,735 | 35,740 | 44,475 | 10,304 | 40,826 | 51,130 | 12,000 | 44,588 | 56,588 | -0.87% | 0.40% | 0.15% | -1.24% | 0.40% | 0.07% | 0.60% | 0.40% | 0.44% |
| 2025 | 8,366 | 35,960 | 44,326 | 10,147 | 40,663 | 50,810 | 11,949 | 44,410 | 56,358 | -4.22% | 0.62% | -0.33% | -1.52% | -0.40% | -0.63% | -0.43% | -0.40% | -0.41% |
| 2026 | 8,314 | 36,915 | 45,230 | 10,147 | 40,663 | 50,810 | 11,949 | 44,410 | 56,358 | -0.62% | 2.66% | 2.04% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 8,083 | 36,915 | 44,999 | 10,147 | 40,663 | 50,810 | 11,949 | 44,410 | 56,358 | -2.78% | 0.00% | -0.51% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 7,955 | 37,064 | 45,019 | 9,935 | 40,826 | 50,761 | 12,000 | 44,588 | 56,588 | -1.59% | 0.40% | 0.05% | -2.09% | 0.40% | -0.10% | 0.43% | 0.40% | 0.41% |
| 2029 | 7,736 | 36,915 | 44,652 | 9,764 | 40,663 | 50,426 | 11,949 | 44,410 | 56,358 | -2.75% | -0.40% | -0.82% | -1.72% | -0.40% | -0.66% | -0.43% | -0.40% | -0.41% |
| 2030 | 7,475 | 36,915 | 44,391 | 9,702 | 40,663 | 50,364 | 11,949 | 44,410 | 56,358 | -3.37% | 0.00% | -0.58% | -0.63% | 0.00% | -0.12% | 0.00% | 0.00% | 0.00% |
| 2031 | 7,424 | 36,915 | 44,339 | 9,702 | 40,663 | 50,364 | 11,928 | 44,410 | 56,338 | -0.69% | 0.00% | -0.12% | 0.00% | 0.00% | 0.00% | -0.17% | 0.00% | -0.04% |
| 2032 | 7,223 | 37,064 | 44,287 | 9,692 | 40,826 | 50,518 | 11,979 | 44,588 | 56,568 | -2.70% | 0.40% | -0.12% | -0.10% | 0.40% | 0.31% | 0.43% | 0.40% | 0.41% |
| 2033 | 7,030 | 36,915 | 43,946 | 9,440 | 40,663 | 50,102 | 11,928 | 44,410 | 56,338 | -2.67% | -0.40% | -0.77% | -2.61% | -0.40% | -0.82% | -0.43% | -0.40% | -0.41% |
| 2034 | 6,895 | 36,915 | 43,811 | 9,298 | 40,663 | 49,961 | 11,928 | 44,410 | 56,338 | -1.92% | 0.00% | -0.31% | -1.50% | 0.00% | -0.28% | 0.00% | 0.00% | 0.00% |
| 2035 | 6,626 | 36,915 | 43,542 | 9,257 | 40,663 | 49,919 | 11,928 | 44,410 | 56,338 | -3.90% | 0.00% | -0.61% | -0.45% | 0.00% | -0.08% | 0.00% | 0.00% | 0.00% |
| 2036 | 6,613 | 37,064 | 43,678 | 9,296 | 40,826 | 50,123 | 11,935 | 44,588 | 56,524 | -0.20% | 0.40% | 0.31% | 0.43% | 0.40% | 0.41% | 0.06% | 0.40% | 0.33% |
| 2037 | 6,401 | 36,915 | 43,316 | 9,205 | 40,663 | 49,868 | 11,884 | 44,410 | 56,294 | -3.22% | -0.40% | -0.83% | -0.98% | -0.40% | -0.51% | -0.43% | -0.40% | -0.41% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 23 | 19 | 42 | 24 | 21 | 45 | 26 | 22 | 48 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 22 | 19 | 41 | 24 | 21 | 45 | 26 | 23 | 49 | -4.06% | 0.00% | -2.20% | -1.37% | 0.40% | -0.55% | 1.29% | 2.23% | 1.72% |
| 2020 | 21 | 19 | 40 | 24 | 21 | 45 | 27 | 23 | 50 | -1.15% | 0.00% | -0.61% | -1.39% | 0.00% | -0.74% | 0.95% | 0.36% | 0.68% |
| 2021 | 21 | 19 | 40 | 24 | 21 | 45 | 27 | 23 | 50 | -3.50% | 0.00% | -1.86% | 0.00% | 0.00% | 0.00% | 0.31% | 0.72% | 0.51% |
| 2022 | 20 | 19 | 39 | 24 | 21 | 45 | 27 | 24 | 51 | -1.21% | 0.00% | -0.63% | 0.00% | 0.00% | 0.00% | 0.31% | 2.88% | 1.51% |
| 2023 | 20 | 19 | 39 | 23 | 22 | 45 | 27 | 24 | 51 | -3.67% | 0.00% | -1.90% | -1.41% | 3.97% | 1.12% | 0.00% | 0.00% | 0.00% |
| 2024 | 20 | 19 | 39 | 23 | 22 | 45 | 27 | 24 | 51 | -0.85% | 0.00% | -0.43% | -1.79% | 0.00% | -0.92% | 0.31% | 0.00% | 0.17% |
| 2025 | 19 | 19 | 38 | 23 | 22 | 45 | 27 | 24 | 51 | -4.27% | 0.88% | -1.73% | -1.09% | 0.00% | -0.56% | 0.00% | 0.00% | 0.00% |
| 2026 | 19 | 20 | 38 | 23 | 22 | 45 | 27 | 24 | 51 | -0.45% | 3.48% | 1.54% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 18 | 20 | 38 | 23 | 22 | 45 | 27 | 24 | 51 | -3.14% | 0.00% | -1.52% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 18 | 20 | 38 | 22 | 22 | 44 | 27 | 24 | 51 | -1.85% | 0.00% | -0.88% | -2.21% | 0.00% | -1.12% | 0.00% | 0.00% | 0.00% |
| 2029 | 17 | 20 | 37 | 22 | 22 | 44 | 27 | 24 | 51 | -2.36% | 0.00% | -1.11% | -1.50% | 0.00% | -0.76% | 0.00% | 0.00% | 0.00% |
| 2030 | 17 | 20 | 37 | 22 | 22 | 44 | 27 | 24 | 51 | -3.38% | 0.00% | -1.57% | -0.76% | 0.00% | -0.38% | 0.00% | 0.00% | 0.00% |
| 2031 | 17 | 20 | 36 | 22 | 22 | 44 | 27 | 24 | 51 | -0.50% | 0.00% | -0.23% | 0.00% | 0.00% | 0.00% | -0.31% | 0.00% | -0.16% |
| 2032 | 16 | 20 | 36 | 22 | 22 | 43 | 27 | 24 | 51 | -3.52% | 0.00% | -1.60% | -0.38% | 0.00% | -0.19% | 0.00% | 0.00% | 0.00% |
| 2033 | 16 | 20 | 36 | 21 | 22 | 43 | 27 | 24 | 51 | -2.08% | 0.00% | -0.93% | -2.32% | 0.00% | -1.15% | 0.00% | 0.00% | 0.00% |
| 2034 | 15 | 20 | 35 | 21 | 22 | 43 | 27 | 24 | 51 | -1.60% | 0.00% | -0.70% | -1.58% | 0.00% | -0.78% | 0.00% | 0.00% | 0.00% |
| 2035 | 15 | 20 | 35 | 21 | 22 | 43 | 27 | 24 | 51 | -4.32% | 0.00% | -1.89% | -0.40% | 0.00% | -0.20% | 0.00% | 0.00% | 0.00% |
| 2036 | 15 | 20 | 35 | 21 | 22 | 43 | 27 | 24 | 50 | -0.56% | 0.00% | -0.24% | 0.00% | 0.00% | 0.00% | -0.63% | 0.00% | -0.33% |
| 2037 | 14 | 20 | 34 | 21 | 22 | 42 | 27 | 24 | 50 | -2.84% | 0.00% | -1.21% | -0.40% | 0.00% | -0.20% | 0.00% | 0.00% | 0.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 4.14% |
| Medium: | -6.26% |
| Low: | -18.04% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

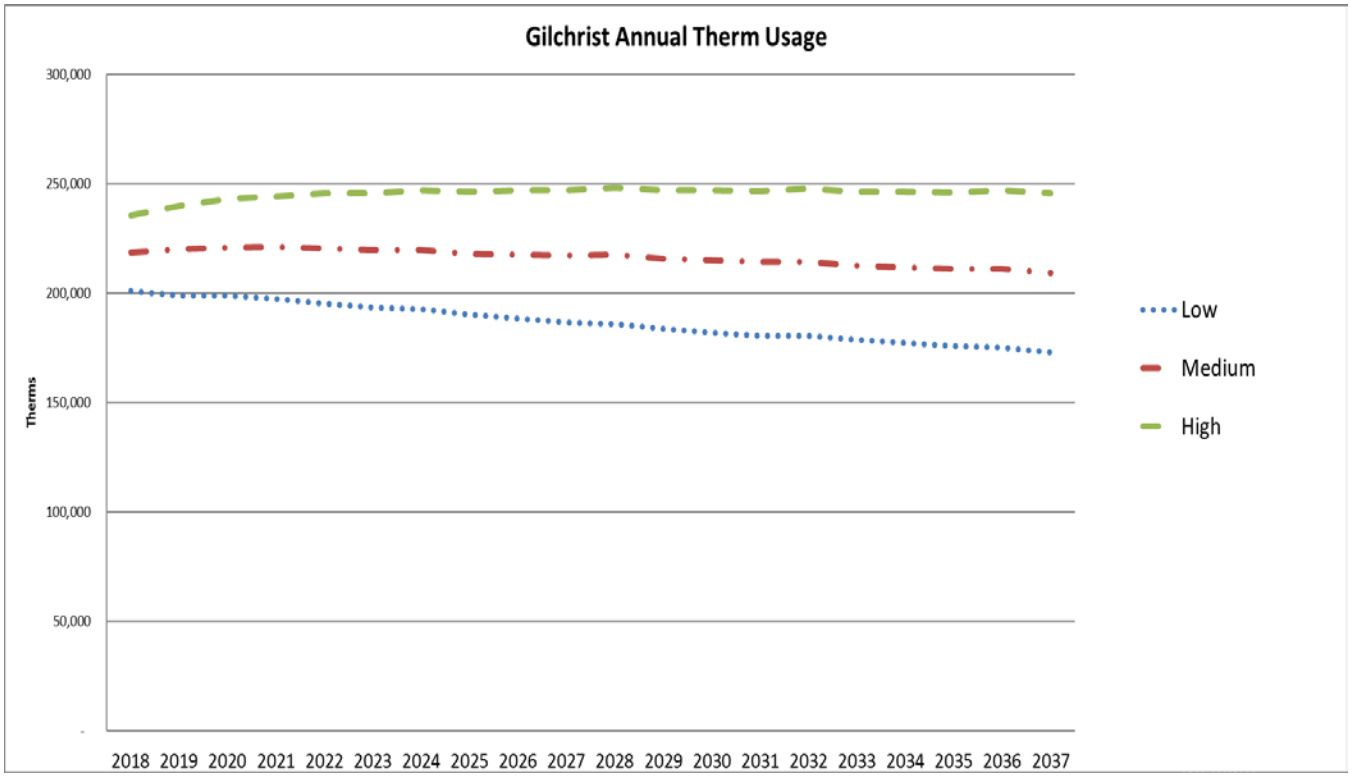
## Gilchrist

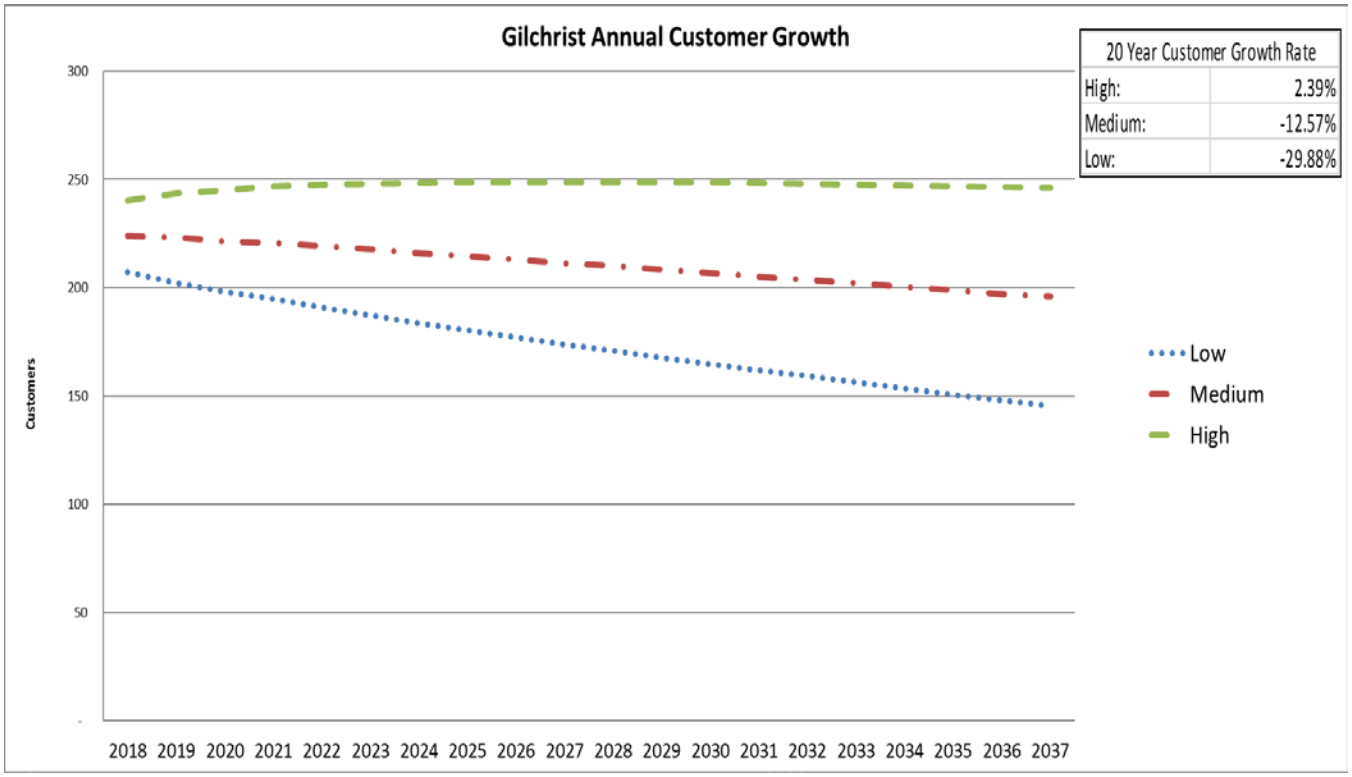
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 156,131 | 45,121 | 201,251 | 169,889 | 48,871 | 218,760 | 182,283 | 53,330 | 235,613 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 154,554 | 44,540 | 199,094 | 170,980 | 49,347 | 220,327 | 185,938 | 54,154 | 240,092 | -1.01% | -1.29% | -1.07% | 0.64% | 0.97% | 0.72% | 2.01% | 1.55% | 1.90% |
| 2020 | 154,796 | 44,076 | 198,872 | 171,692 | 49,231 | 220,923 | 188,798 | 54,386 | 243,184 | 0.16% | -1.04% | -0.11% | 0.42% | -0.24% | 0.27% | 1.54% | 0.43% | 1.29% |
| 2021 | 153,152 | 44,320 | 197,473 | 171,658 | 49,708 | 221,365 | 189,181 | 55,211 | 244,392 | -1.06% | 0.55% | -0.70% | -0.02% | 0.97% | 0.20% | 0.20% | 1.52% | 0.50% |
| 2022 | 151,654 | 43,856 | 195,510 | 170,863 | 49,591 | 220,454 | 190,359 | 55,211 | 245,570 | -0.98% | -1.05% | -0.99% | -0.46% | -0.23% | -0.41% | 0.62% | 0.00% | 0.48% |
| 2023 | 150,329 | 43,392 | 193,721 | 170,401 | 49,359 | 219,761 | 190,410 | 55,327 | 245,737 | -0.87% | -1.06% | -0.92% | -0.27% | -0.47% | -0.31% | 0.03% | 0.21% | 0.07% |
| 2024 | 149,705 | 43,043 | 192,748 | 170,784 | 49,127 | 219,912 | 191,768 | 55,327 | 247,095 | -0.42% | -0.80% | -0.50% | 0.22% | -0.47% | 0.07% | 0.71% | 0.00% | 0.55% |
| 2025 | 147,459 | 42,695 | 190,154 | 169,087 | 49,011 | 218,098 | 191,214 | 55,327 | 246,541 | -1.50% | -0.81% | -1.35% | -0.99% | -0.24% | -0.82% | -0.29% | 0.00% | -0.22% |
| 2026 | 146,290 | 42,231 | 188,521 | 168,996 | 48,779 | 217,775 | 191,749 | 55,327 | 247,076 | -0.79% | -1.09% | -0.86% | -0.05% | -0.47% | -0.15% | 0.28% | 0.00% | 0.22% |
| 2027 | 144,998 | 41,883 | 186,880 | 168,688 | 48,663 | 217,351 | 191,749 | 55,327 | 247,076 | -0.88% | -0.82% | -0.87% | -0.18% | -0.24% | -0.19% | 0.00% | 0.00% | 0.00% |
| 2028 | 144,599 | 41,534 | 186,133 | 169,243 | 48,431 | 217,674 | 192,842 | 55,327 | 248,170 | -0.27% | -0.83% | -0.40% | 0.33% | -0.48% | 0.15% | 0.57% | 0.00% | 0.44% |
| 2029 | 142,525 | 41,186 | 183,711 | 167,503 | 48,315 | 215,817 | 191,720 | 55,327 | 247,047 | -1.43% | -0.84% | -1.30% | -1.03% | -0.24% | -0.85% | -0.58% | 0.00% | -0.45% |
| 2030 | 141,379 | 40,838 | 182,217 | 167,042 | 48,083 | 215,124 | 191,691 | 55,327 | 247,018 | -0.80% | -0.85% | -0.81% | -0.28% | -0.48% | -0.32% | -0.01% | 0.00% | -0.01% |
| 2031 | 140,194 | 40,490 | 180,684 | 166,423 | 47,850 | 214,274 | 191,532 | 55,327 | 246,859 | -0.84% | -0.85% | -0.84% | -0.37% | -0.48% | -0.40% | -0.08% | 0.00% | -0.06% |
| 2032 | 140,443 | 40,142 | 180,585 | 166,683 | 47,734 | 214,417 | 192,517 | 55,211 | 247,728 | 0.18% | -0.86% | -0.05% | 0.16% | -0.24% | 0.07% | 0.51% | -0.21% | 0.35% |
| 2033 | 138,981 | 39,793 | 178,774 | 165,157 | 47,502 | 212,659 | 191,325 | 55,211 | 246,536 | -1.04% | -0.87% | -1.00% | -0.92% | -0.49% | -0.82% | -0.62% | 0.00% | -0.48% |
| 2034 | 137,857 | 39,445 | 177,302 | 164,343 | 47,386 | 211,729 | 191,198 | 55,211 | 246,409 | -0.81% | -0.88% | -0.82% | -0.49% | -0.24% | -0.44% | -0.07% | 0.00% | -0.05% |
| 2035 | 136,687 | 39,213 | 175,900 | 163,911 | 47,154 | 211,065 | 191,001 | 55,095 | 246,096 | -0.85% | -0.59% | -0.79% | -0.26% | -0.49% | -0.31% | -0.10% | -0.21% | -0.13% |
| 2036 | 136,513 | 38,865 | 175,378 | 164,222 | 46,922 | 211,144 | 192,048 | 55,095 | 247,143 | -0.13% | -0.89% | -0.30% | 0.19% | -0.49% | 0.04% | 0.55% | 0.00% | 0.43% |
| 2037 | 134,636 | 38,517 | 173,153 | 162,697 | 46,806 | 209,503 | 190,638 | 55,095 | 245,733 | -1.38% | -0.90% | -1.27% | -0.93% | -0.25% | -0.78% | -0.73% | 0.00% | -0.57% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 124 | 1,897 | 2,021 | 134 | 1,918 | 2,052 | 146 | 1,937 | 2,083 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 122 | 1,889 | 2,011 | 135 | 1,907 | 2,042 | 148 | 1,925 | 2,073 | -1.29% | -0.41% | -0.47% | 0.97% | -0.57% | -0.47% | 1.55% | -0.62% | -0.47% |
| 2020 | 121 | 1,886 | 2,007 | 135 | 1,903 | 2,037 | 149 | 1,919 | 2,068 | -1.04% | -0.18% | -0.23% | -0.24% | -0.23% | -0.23% | 0.43% | -0.28% | -0.23% |
| 2021 | 121 | 1,905 | 2,026 | 136 | 1,921 | 2,057 | 151 | 1,937 | 2,088 | 0.55% | 0.99% | 0.97% | 0.97% | 0.97% | 0.97% | 1.52% | 0.92% | 0.97% |
| 2022 | 120 | 1,901 | 2,021 | 136 | 1,916 | 2,052 | 151 | 1,932 | 2,084 | -1.05% | -0.18% | -0.23% | -0.23% | -0.23% | -0.23% | 0.00% | -0.25% | -0.23% |
| 2023 | 119 | 1,893 | 2,012 | 135 | 1,908 | 2,043 | 152 | 1,922 | 2,074 | -1.06% | -0.43% | -0.46% | -0.47% | -0.46% | -0.46% | 0.21% | -0.52% | -0.46% |
| 2024 | 118 | 1,889 | 2,007 | 135 | 1,903 | 2,038 | 152 | 1,917 | 2,069 | -0.80% | -0.20% | -0.23% | -0.47% | -0.22% | -0.23% | 0.00% | -0.25% | -0.23% |
| 2025 | 117 | 1,881 | 1,998 | 134 | 1,894 | 2,028 | 152 | 1,908 | 2,059 | -0.81% | -0.45% | -0.47% | -0.24% | -0.48% | -0.47% | 0.00% | -0.51% | -0.47% |
| 2026 | 116 | 1,873 | 1,988 | 134 | 1,885 | 2,019 | 152 | 1,898 | 2,050 | -1.09% | -0.43% | -0.47% | -0.47% | -0.47% | -0.47% | 0.00% | -0.51% | -0.47% |
| 2027 | 115 | 1,869 | 1,984 | 133 | 1,881 | 2,014 | 152 | 1,893 | 2,045 | -0.82% | -0.20% | -0.24% | -0.24% | -0.24% | -0.24% | 0.00% | -0.26% | -0.24% |
| 2028 | 114 | 1,861 | 1,974 | 133 | 1,872 | 2,005 | 152 | 1,884 | 2,035 | -0.83% | -0.45% | -0.47% | -0.48% | -0.47% | -0.47% | 0.00% | -0.51% | -0.47% |
| 2029 | 113 | 1,857 | 1,970 | 132 | 1,867 | 2,000 | 152 | 1,879 | 2,030 | -0.84% | -0.20% | -0.24% | -0.24% | -0.24% | -0.24% | 0.00% | -0.26% | -0.24% |
| 2030 | 112 | 1,848 | 1,960 | 132 | 1,859 | 1,990 | 152 | 1,869 | 2,021 | -0.85% | -0.45% | -0.48% | -0.48% | -0.48% | -0.48% | 0.00% | -0.52% | -0.48% |
| 2031 | 111 | 1,845 | 1,956 | 131 | 1,854 | 1,986 | 152 | 1,864 | 2,016 | -0.85% | -0.20% | -0.24% | -0.48% | -0.22% | -0.24% | 0.00% | -0.26% | -0.24% |
| 2032 | 110 | 1,836 | 1,946 | 131 | 1,845 | 1,976 | 151 | 1,855 | 2,006 | -0.86% | -0.46% | -0.48% | -0.24% | -0.50% | -0.48% | -0.21% | -0.50% | -0.48% |
| 2033 | 109 | 1,828 | 1,937 | 130 | 1,836 | 1,966 | 151 | 1,845 | 1,996 | -0.87% | -0.46% | -0.48% | -0.49% | -0.48% | -0.48% | 0.00% | -0.52% | -0.48% |
| 2034 | 108 | 1,824 | 1,932 | 130 | 1,832 | 1,962 | 151 | 1,840 | 1,992 | -0.88% | -0.20% | -0.24% | -0.24% | -0.24% | -0.24% | 0.00% | -0.26% | -0.24% |
| 2035 | 107 | 1,815 | 1,923 | 129 | 1,823 | 1,952 | 151 | 1,831 | 1,982 | -0.59% | -0.48% | -0.49% | -0.49% | -0.49% | -0.49% | -0.21% | -0.51% | -0.49% |
| 2036 | 106 | 1,811 | 1,918 | 129 | 1,819 | 1,947 | 151 | 1,826 | 1,977 | -0.89% | -0.21% | -0.24% | -0.49% | -0.23% | -0.24% | 0.00% | -0.26% | -0.24% |
| 2037 | 106 | 1,803 | 1,909 | 128 | 1,810 | 1,938 | 151 | 1,816 | 1,967 | -0.90% | -0.47% | -0.49% | -0.25% | -0.51% | -0.49% | 0.00% | -0.53% | -0.49% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 87,839 | 113,413 | 201,251 | 94,685 | 124,075 | 218,760 | 101,229 | 134,384 | 235,613 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 85,203 | 113,892 | 199,094 | 93,834 | 126,493 | 220,327 | 102,269 | 137,824 | 240,092 | -3.00% | 0.42% | -1.07% | -0.90% | 1.95% | 0.72% | 1.03% | 2.56% | 1.90% |
| 2020 | 83,323 | 115,549 | 198,872 | 93,334 | 127,589 | 220,923 | 103,441 | 139,744 | 243,184 | -2.21% | 1.46% | -0.11% | -0.53% | 0.87% | 0.27% | 1.15% | 1.39% | 1.29% |
| 2021 | 80,910 | 116,563 | 197,473 | 92,201 | 129,164 | 221,365 | 103,418 | 140,974 | 244,392 | -2.90% | 0.88% | -0.70% | -1.21% | 1.23% | 0.20% | -0.02% | 0.88% | 0.50% |
| 2022 | 78,947 | 116,563 | 195,510 | 91,290 | 129,164 | 220,454 | 103,804 | 141,766 | 245,570 | -2.43% | 0.00% | -0.99% | -0.99% | 0.00% | -0.41% | 0.37% | 0.56% | 0.48% |
| 2023 | 77,158 | 116,563 | 193,721 | 90,596 | 129,164 | 219,761 | 103,971 | 141,766 | 245,737 | -2.27% | 0.00% | -0.92% | -0.76% | 0.00% | -0.31% | 0.16% | 0.00% | 0.07% |
| 2024 | 75,639 | 117,109 | 192,748 | 90,142 | 129,769 | 219,912 | 104,666 | 142,430 | 247,095 | -1.97% | 0.47% | -0.50% | -0.50% | 0.47% | 0.07% | 0.67% | 0.47% | 0.55% |
| 2025 | 73,591 | 116,563 | 190,154 | 88,934 | 129,164 | 218,098 | 104,296 | 142,245 | 246,541 | -2.71% | -0.47% | -1.35% | -1.34% | -0.47% | -0.82% | -0.35% | -0.13% | -0.22% |
| 2026 | 71,958 | 116,563 | 188,521 | 88,131 | 129,643 | 217,775 | 104,325 | 142,750 | 247,076 | -2.22% | 0.00% | -0.86% | -0.90% | 0.37% | -0.15% | 0.03% | 0.36% | 0.22% |
| 2027 | 70,317 | 116,563 | 186,880 | 87,202 | 130,149 | 217,351 | 104,325 | 142,750 | 247,076 | -2.28% | 0.00% | -0.87% | -1.06% | 0.39% | -0.19% | 0.00% | 0.00% | 0.00% |
| 2028 | 69,025 | 117,109 | 186,133 | 86,920 | 130,754 | 217,674 | 104,755 | 143,414 | 248,170 | -1.84% | 0.47% | -0.40% | -0.32% | 0.46% | 0.15% | 0.41% | 0.47% | 0.44% |
| 2029 | 67,148 | 116,563 | 183,711 | 85,668 | 130,149 | 215,817 | 104,296 | 142,750 | 247,047 | -2.72% | -0.47% | -1.30% | -1.44% | -0.46% | -0.85% | -0.44% | -0.46% | -0.45% |
| 2030 | 65,654 | 116,563 | 182,217 | 84,975 | 130,149 | 215,124 | 104,268 | 142,750 | 247,018 | -2.23% | 0.00% | -0.81% | -0.81% | 0.00% | -0.32% | -0.03% | 0.00% | -0.01% |
| 2031 | 64,121 | 116,563 | 180,684 | 84,125 | 130,149 | 214,274 | 104,109 | 142,750 | 246,859 | -2.34% | 0.00% | -0.84% | -1.00% | 0.00% | -0.40% | -0.15% | 0.00% | -0.06% |
| 2032 | 62,997 | 117,588 | 180,585 | 83,663 | 130,754 | 214,417 | 104,313 | 143,414 | 247,728 | -1.75% | 0.88% | -0.05% | -0.55% | 0.46% | 0.07% | 0.20% | 0.47% | 0.35% |
| 2033 | 61,226 | 117,548 | 178,774 | 82,510 | 130,149 | 212,659 | 103,785 | 142,750 | 246,536 | -2.81% | -0.03% | -1.00% | -1.38% | -0.46% | -0.82% | -0.51% | -0.46% | -0.48% |
| 2034 | 59,754 | 117,548 | 177,302 | 81,580 | 130,149 | 211,729 | 103,659 | 142,750 | 246,409 | -2.40% | 0.00% | -0.82% | -1.13% | 0.00% | -0.44% | -0.12% | 0.00% | -0.05% |
| 2035 | 58,352 | 117,548 | 175,900 | 80,916 | 130,149 | 211,065 | 103,346 | 142,750 | 246,096 | -2.35% | 0.00% | -0.79% | -0.81% | 0.00% | -0.31% | -0.30% | 0.00% | -0.13% |
| 2036 | 57,285 | 118,094 | 175,378 | 80,390 | 130,754 | 211,144 | 103,729 | 143,414 | 247,143 | -1.83% | 0.46% | -0.30% | -0.65% | 0.46% | 0.04% | 0.37% | 0.47% | 0.43% |
| 2037 | 55,605 | 117,548 | 173,153 | 79,354 | 130,149 | 209,503 | 102,982 | 142,750 | 245,733 | -2.93% | -0.46% | -1.27% | -1.29% | -0.46% | -0.78% | -0.72% | -0.46% | -0.57% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 171 | 36 | 207 | 185 | 39 | 224 | 198 | 43 | 240 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 166 | 36 | 202 | 183 | 40 | 223 | 200 | 44 | 244 | -3.02% | 0.23% | -2.45% | -0.90% | 1.91% | -0.41% | 1.01% | 2.53% | 1.28% |
| 2020 | 162 | 36 | 198 | 181 | 40 | 221 | 201 | 44 | 245 | -2.61% | 0.69% | -2.02% | -0.96% | 0.21% | -0.75% | 0.67% | 0.57% | 0.65% |
| 2021 | 158 | 37 | 195 | 180 | 41 | 221 | 202 | 45 | 247 | -2.47% | 1.83% | -1.68% | -0.78% | 2.07% | -0.26% | 0.46% | 1.70% | 0.68% |
| 2022 | 154 | 37 | 191 | 178 | 41 | 219 | 203 | 45 | 248 | -2.48% | 0.00% | -2.01% | -0.97% | 0.00% | -0.79% | 0.33% | 0.37% | 0.34% |
| 2023 | 150 | 37 | 187 | 177 | 41 | 218 | 203 | 45 | 248 | -2.28% | 0.00% | -1.83% | -0.80% | 0.00% | -0.65% | 0.21% | 0.00% | 0.17% |
| 2024 | 147 | 37 | 184 | 175 | 41 | 216 | 203 | 45 | 248 | -2.38% | 0.00% | -1.91% | -0.94% | 0.00% | -0.77% | 0.16% | 0.00% | 0.13% |
| 2025 | 143 | 37 | 180 | 174 | 41 | 215 | 204 | 45 | 249 | -2.27% | 0.00% | -1.81% | -0.86% | 0.00% | -0.69% | 0.08% | 0.19% | 0.10% |
| 2026 | 140 | 37 | 177 | 172 | 41 | 213 | 204 | 45 | 249 | -2.27% | 0.00% | -1.80% | -0.91% | 0.20% | -0.70% | 0.08% | 0.18% | 0.10% |
| 2027 | 137 | 37 | 174 | 170 | 41 | 211 | 204 | 45 | 249 | -2.26% | 0.00% | -1.79% | -1.07% | 0.20% | -0.82% | 0.00% | 0.00% | 0.00% |
| 2028 | 134 | 37 | 171 | 169 | 41 | 210 | 204 | 45 | 249 | -2.25% | 0.00% | -1.77% | -0.73% | 0.00% | -0.59% | -0.08% | 0.00% | -0.07% |
| 2029 | 131 | 37 | 168 | 167 | 41 | 208 | 204 | 45 | 249 | -2.30% | 0.00% | -1.80% | -1.04% | 0.00% | -0.83% | 0.00% | 0.00% | 0.00% |
| 2030 | 128 | 37 | 165 | 166 | 41 | 207 | 203 | 45 | 249 | -2.23% | 0.00% | -1.74% | -0.85% | 0.00% | -0.68% | -0.04% | 0.00% | -0.03% |
| 2031 | 125 | 37 | 162 | 164 | 41 | 205 | 203 | 45 | 248 | -2.35% | 0.00% | -1.82% | -1.01% | 0.00% | -0.81% | -0.12% | 0.00% | -0.10% |
| 2032 | 122 | 37 | 159 | 162 | 41 | 204 | 203 | 45 | 248 | -2.27% | 0.23% | -1.70% | -0.97% | 0.00% | -0.77% | -0.21% | 0.00% | -0.17% |
| 2033 | 119 | 37 | 156 | 161 | 41 | 202 | 203 | 45 | 248 | -2.39% | 0.22% | -1.78% | -0.92% | 0.00% | -0.74% | -0.12% | 0.00% | -0.10% |
| 2034 | 116 | 37 | 153 | 159 | 41 | 200 | 202 | 45 | 247 | -2.45% | 0.00% | -1.87% | -1.14% | 0.00% | -0.91% | -0.12% | 0.00% | -0.10% |
| 2035 | 114 | 37 | 151 | 158 | 41 | 199 | 202 | 45 | 247 | -2.29% | 0.00% | -1.74% | -0.79% | 0.00% | -0.62% | -0.25% | 0.00% | -0.20% |
| 2036 | 111 | 37 | 148 | 156 | 41 | 197 | 202 | 45 | 247 | -2.27% | 0.00% | -1.71% | -1.16% | 0.00% | -0.92% | -0.12% | 0.00% | -0.10% |
| 2037 | 108 | 37 | 145 | 155 | 41 | 196 | 201 | 45 | 246 | -2.55% | 0.00% | -1.91% | -0.85% | 0.00% | -0.68% | -0.25% | 0.00% | -0.20% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 2.39% |
| Medium: | -12.57% |
| Low: | -29.88% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Hermiston

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,456,130 | 1,917,593 | 5,373,723 | 3,576,525 | 1,983,675 | 5,560,200 | 3,697,283 | 2,049,757 | 5,747,040 |
| 2019 | 3,452,410 | 1,915,792 | 5,368,201 | 3,613,365 | 2,000,986 | 5,614,351 | 3,775,291 | 2,087,892 | 5,863,183 |
| 2020 | 3,482,150 | 1,917,866 | 5,400,016 | 3,676,541 | 2,020,549 | 5,697,090 | 3,872,065 | 2,123,413 | 5,995,478 |
| 2021 | 3,472,274 | 1,924,809 | 5,397,083 | 3,694,845 | 2,040,834 | 5,735,680 | 3,915,279 | 2,158,572 | 6,073,851 |
| 2022 | 3,490,701 | 1,933,194 | 5,423,896 | 3,736,237 | 2,063,553 | 5,799,790 | 3,984,176 | 2,192,200 | 6,176,376 |
| 2023 | 3,513,844 | 1,944,555 | 5,458,399 | 3,783,440 | 2,085,101 | 5,868,541 | 4,050,296 | 2,227,540 | 6,277,836 |
| 2024 | 3,564,984 | 1,956,817 | 5,521,801 | 3,855,318 | 2,109,082 | 5,964,400 | 4,146,352 | 2,261,528 | 6,407,880 |
| 2025 | 3,571,941 | 1,971,693 | 5,543,635 | 3,880,754 | 2,133,605 | 6,014,359 | 4,188,811 | 2,295,697 | 6,484,508 |
| 2026 | 3,606,154 | 1,987,471 | 5,593,625 | 3,932,543 | 2,158,849 | 6,091,391 | 4,258,583 | 2,330,407 | 6,588,990 |
| 2027 | 3,641,384 | 2,005,863 | 5,647,248 | 3,987,261 | 2,184,814 | 6,172,075 | 4,329,582 | 2,365,477 | 6,695,059 |
| 2028 | 3,705,360 | 2,023,265 | 5,728,625 | 4,066,172 | 2,212,852 | 6,279,024 | 4,429,476 | 2,400,908 | 6,830,384 |
| 2029 | 3,723,861 | 2,058,482 | 5,782,343 | 4,101,371 | 2,253,569 | 6,354,941 | 4,477,778 | 2,450,370 | 6,928,148 |
| 2030 | 3,769,927 | 2,079,038 | 5,848,966 | 4,161,507 | 2,282,870 | 6,444,377 | 4,550,554 | 2,488,415 | 7,038,969 |
| 2031 | 3,816,923 | 2,102,209 | 5,919,132 | 4,223,377 | 2,312,893 | 6,536,270 | 4,628,455 | 2,525,289 | 7,153,744 |
| 2032 | 3,891,151 | 2,125,921 | 6,017,072 | 4,313,136 | 2,344,988 | 6,658,124 | 4,735,229 | 2,564,236 | 7,299,464 |
| 2033 | 3,917,925 | 2,150,354 | 6,068,279 | 4,350,693 | 2,376,093 | 6,726,786 | 4,784,357 | 2,601,831 | 7,386,188 |
| 2034 | 3,972,794 | 2,175,328 | 6,148,122 | 4,418,706 | 2,409,450 | 6,828,157 | 4,863,738 | 2,641,860 | 7,505,598 |
| 2035 | 4,028,627 | 2,202,736 | 6,231,363 | 4,487,773 | 2,441,637 | 6,929,410 | 4,946,376 | 2,682,070 | 7,628,446 |
| 2036 | 4,113,995 | 2,230,685 | 6,344,680 | 4,588,182 | 2,475,897 | 7,064,079 | 5,062,390 | 2,722,820 | 7,785,210 |
| 2037 | 4,162,387 | 2,259,356 | 6,421,743 | 4,645,772 | 2,510,878 | 7,156,650 | 5,128,154 | 2,764,112 | 7,892,266 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.11% | -0.09% | -0.10% | 1.03% | 0.87% | 0.97% | 2.11% | 1.86% | 2.02% |
| 2020 | 0.86% | 0.11% | 0.59% | 1.75% | 0.98% | 1.47% | 2.56% | 1.70% | 2.26% |
| 2021 | -0.28% | 0.36% | -0.05% | 0.50% | 1.00% | 0.68% | 1.12% | 1.66% | 1.31% |
| 2022 | 0.53% | 0.44% | 0.50% | 1.12% | 1.11% | 1.12% | 1.76% | 1.56% | 1.69% |
| 2023 | 0.66% | 0.59% | 0.64% | 1.26% | 1.04% | 1.19% | 1.66% | 1.61% | 1.64% |
| 2024 | 1.46% | 0.63% | 1.16% | 1.90% | 1.15% | 1.63% | 2.37% | 1.53% | 2.07% |
| 2025 | 0.20% | 0.76% | 0.40% | 0.66% | 1.16% | 0.84% | 1.02% | 1.51% | 1.20% |
| 2026 | 0.96% | 0.80% | 0.90% | 1.33% | 1.18% | 1.28% | 1.67% | 1.51% | 1.61% |
| 2027 | 0.98% | 0.93% | 0.96% | 1.39% | 1.20% | 1.32% | 1.67% | 1.50% | 1.61% |
| 2028 | 1.76% | 0.87% | 1.44% | 1.98% | 1.28% | 1.73% | 2.31% | 1.50% | 2.02% |
| 2029 | 0.50% | 1.74% | 0.94% | 0.87% | 1.84% | 1.21% | 1.09% | 2.06% | 1.43% |
| 2030 | 1.24% | 1.00% | 1.15% | 1.47% | 1.30% | 1.41% | 1.63% | 1.55% | 1.60% |
| 2031 | 1.25% | 1.11% | 1.20% | 1.49% | 1.32% | 1.43% | 1.71% | 1.48% | 1.63% |
| 2032 | 1.94% | 1.13% | 1.65% | 2.13% | 1.39% | 1.86% | 2.31% | 1.54% | 2.04% |
| 2033 | 0.69% | 1.15% | 0.85% | 0.87% | 1.33% | 1.03% | 1.04% | 1.47% | 1.19% |
| 2034 | 1.40% | 1.16% | 1.32% | 1.56% | 1.40% | 1.51% | 1.66% | 1.54% | 1.62% |
| 2035 | 1.41% | 1.26% | 1.35% | 1.56% | 1.34% | 1.48% | 1.70% | 1.52% | 1.64% |
| 2036 | 2.12% | 1.27% | 1.82% | 2.24% | 1.40% | 1.94% | 2.35% | 1.52% | 2.05% |
| 2037 | 1.18% | 1.29% | 1.21% | 1.26% | 1.41% | 1.31% | 1.30% | 1.52% | 1.38% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 5,254 | 59,791 | 65,045 | 5,435 | 60,607 | 66,042 | 5,616 | 61,432 | 67,048 |
| 2019 | 5,249 | 60,433 | 65,681 | 5,482 | 61,206 | 66,688 | 5,720 | 61,983 | 67,703 |
| 2020 | 5,254 | 61,141 | 66,395 | 5,536 | 61,877 | 67,413 | 5,818 | 62,622 | 68,439 |
| 2021 | 5,273 | 61,913 | 67,186 | 5,591 | 62,625 | 68,216 | 5,914 | 63,341 | 69,255 |
| 2022 | 5,296 | 62,666 | 67,962 | 5,654 | 63,350 | 69,004 | 6,006 | 64,049 | 70,055 |
| 2023 | 5,328 | 63,480 | 68,808 | 5,713 | 64,150 | 69,863 | 6,103 | 64,823 | 70,926 |
| 2024 | 5,361 | 64,277 | 69,638 | 5,778 | 64,927 | 70,706 | 6,196 | 65,586 | 71,782 |
| 2025 | 5,402 | 65,137 | 70,539 | 5,845 | 65,774 | 71,620 | 6,290 | 66,421 | 72,710 |
| 2026 | 5,445 | 66,063 | 71,508 | 5,915 | 66,690 | 72,604 | 6,385 | 67,325 | 73,710 |
| 2027 | 5,496 | 66,967 | 72,463 | 5,986 | 67,588 | 73,573 | 6,481 | 68,213 | 74,694 |
| 2028 | 5,543 | 67,944 | 73,487 | 6,063 | 68,551 | 74,613 | 6,578 | 69,172 | 75,749 |
| 2029 | 5,640 | 69,119 | 74,759 | 6,174 | 69,731 | 75,905 | 6,713 | 70,347 | 77,061 |
| 2030 | 5,696 | 70,142 | 75,838 | 6,254 | 70,746 | 77,000 | 6,818 | 71,355 | 78,173 |
| 2031 | 5,759 | 71,180 | 76,940 | 6,337 | 71,782 | 78,119 | 6,919 | 72,390 | 79,308 |
| 2032 | 5,824 | 72,287 | 78,111 | 6,425 | 72,884 | 79,308 | 7,025 | 73,491 | 80,516 |
| 2033 | 5,891 | 73,369 | 79,260 | 6,510 | 73,965 | 80,475 | 7,128 | 74,572 | 81,700 |
| 2034 | 5,960 | 74,518 | 80,478 | 6,601 | 75,110 | 81,712 | 7,238 | 75,718 | 82,956 |
| 2035 | 6,035 | 75,685 | 81,720 | 6,689 | 76,283 | 82,972 | 7,348 | 76,888 | 84,236 |
| 2036 | 6,111 | 76,873 | 82,985 | 6,783 | 77,473 | 84,257 | 7,460 | 78,080 | 85,540 |
| 2037 | 6,190 | 78,083 | 84,273 | 6,879 | 78,685 | 85,565 | 7,573 | 79,295 | 86,867 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.09% | 1.07% | 0.98% | 0.87% | 0.99% | 0.98% | 1.86% | 0.90% | 0.98% |
| 2020 | 0.11% | 1.17% | 1.09% | 0.98% | 1.10% | 1.09% | 1.70% | 1.03% | 1.09% |
| 2021 | 0.36% | 1.26% | 1.19% | 1.00% | 1.21% | 1.19% | 1.66% | 1.15% | 1.19% |
| 2022 | 0.44% | 1.22% | 1.15% | 1.11% | 1.16% | 1.15% | 1.56% | 1.12% | 1.15% |
| 2023 | 0.59% | 1.30% | 1.24% | 1.04% | 1.26% | 1.24% | 1.61% | 1.21% | 1.24% |
| 2024 | 0.63% | 1.26% | 1.21% | 1.15% | 1.21% | 1.21% | 1.53% | 1.18% | 1.21% |
| 2025 | 0.76% | 1.34% | 1.29% | 1.16% | 1.30% | 1.29% | 1.51% | 1.27% | 1.29% |
| 2026 | 0.80% | 1.42% | 1.37% | 1.18% | 1.39% | 1.37% | 1.51% | 1.36% | 1.37% |
| 2027 | 0.93% | 1.37% | 1.33% | 1.20% | 1.35% | 1.33% | 1.50% | 1.32% | 1.33% |
| 2028 | 0.87% | 1.46% | 1.41% | 1.28% | 1.42% | 1.41% | 1.50% | 1.41% | 1.41% |
| 2029 | 1.74% | 1.73% | 1.73% | 1.84% | 1.72% | 1.73% | 2.06% | 1.70% | 1.73% |
| 2030 | 1.00% | 1.48% | 1.44% | 1.30% | 1.46% | 1.44% | 1.55% | 1.43% | 1.44% |
| 2031 | 1.11% | 1.48% | 1.45% | 1.32% | 1.47% | 1.45% | 1.48% | 1.45% | 1.45% |
| 2032 | 1.13% | 1.55% | 1.52% | 1.39% | 1.53% | 1.52% | 1.54% | 1.52% | 1.52% |
| 2033 | 1.15% | 1.50% | 1.47% | 1.33% | 1.48% | 1.47% | 1.47% | 1.47% | 1.47% |
| 2034 | 1.16% | 1.57% | 1.54% | 1.40% | 1.55% | 1.54% | 1.54% | 1.54% | 1.54% |
| 2035 | 1.26% | 1.57% | 1.54% | 1.34% | 1.56% | 1.54% | 1.52% | 1.54% | 1.54% |
| 2036 | 1.27% | 1.57% | 1.55% | 1.40% | 1.56% | 1.55% | 1.52% | 1.55% | 1.55% |
| 2037 | 1.29% | 1.57% | 1.55% | 1.41% | 1.56% | 1.55% | 1.52% | 1.56% | 1.55% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,281,725 | 3,091,999 | 5,373,723 | 2,394,232 | 3,165,968 | 5,560,200 | 2,506,591 | 3,240,449 | 5,747,040 |
| 2019 | 2,285,573 | 3,082,629 | 5,368,201 | 2,430,492 | 3,183,859 | 5,614,351 | 2,575,241 | 3,287,942 | 5,863,183 |
| 2020 | 2,307,986 | 3,092,030 | 5,400,016 | 2,479,875 | 3,217,215 | 5,697,090 | 2,651,985 | 3,343,493 | 5,995,478 |
| 2021 | 2,315,797 | 3,081,287 | 5,397,083 | 2,509,883 | 3,225,796 | 5,735,680 | 2,704,099 | 3,369,753 | 6,073,851 |
| 2022 | 2,338,291 | 3,085,604 | 5,423,896 | 2,552,919 | 3,246,871 | 5,799,790 | 2,767,579 | 3,408,797 | 6,176,376 |
| 2023 | 2,365,348 | 3,093,051 | 5,458,399 | 2,598,527 | 3,270,014 | 5,868,541 | 2,831,807 | 3,446,029 | 6,277,836 |
| 2024 | 2,406,872 | 3,114,928 | 5,521,801 | 2,658,389 | 3,306,011 | 5,964,400 | 2,910,029 | 3,497,851 | 6,407,880 |
| 2025 | 2,430,093 | 3,113,542 | 5,543,635 | 2,696,707 | 3,317,652 | 6,014,359 | 2,963,389 | 3,521,118 | 6,484,508 |
| 2026 | 2,467,003 | 3,126,622 | 5,593,625 | 2,749,004 | 3,342,388 | 6,091,391 | 3,030,770 | 3,558,220 | 6,588,990 |
| 2027 | 2,507,020 | 3,140,228 | 5,647,248 | 2,803,583 | 3,368,492 | 6,172,075 | 3,099,738 | 3,595,321 | 6,695,059 |
| 2028 | 2,560,725 | 3,167,900 | 5,728,625 | 2,872,006 | 3,407,019 | 6,279,024 | 3,183,382 | 3,647,002 | 6,830,384 |
| 2029 | 2,595,542 | 3,186,801 | 5,782,343 | 2,918,793 | 3,436,148 | 6,354,941 | 3,242,031 | 3,686,117 | 6,928,148 |
| 2030 | 2,643,565 | 3,205,400 | 5,848,966 | 2,979,518 | 3,464,859 | 6,444,377 | 3,315,419 | 3,723,550 | 7,038,969 |
| 2031 | 2,694,264 | 3,224,868 | 5,919,132 | 3,042,416 | 3,493,854 | 6,536,270 | 3,390,524 | 3,763,220 | 7,153,744 |
| 2032 | 2,759,584 | 3,257,488 | 6,017,072 | 3,121,057 | 3,537,067 | 6,658,124 | 3,482,550 | 3,816,914 | 7,299,464 |
| 2033 | 2,802,389 | 3,265,890 | 6,068,279 | 3,173,778 | 3,553,008 | 6,726,786 | 3,544,902 | 3,841,286 | 7,386,188 |
| 2034 | 2,860,046 | 3,288,076 | 6,148,122 | 3,242,525 | 3,585,632 | 6,828,157 | 3,624,775 | 3,880,824 | 7,505,598 |
| 2035 | 2,920,373 | 3,310,990 | 6,231,363 | 3,313,428 | 3,615,982 | 6,929,410 | 3,706,569 | 3,921,877 | 7,628,446 |
| 2036 | 2,995,754 | 3,348,926 | 6,344,680 | 3,400,937 | 3,663,142 | 7,064,079 | 3,806,433 | 3,978,777 | 7,785,210 |
| 2037 | 3,046,582 | 3,375,160 | 6,421,743 | 3,460,480 | 3,696,170 | 7,156,650 | 3,874,144 | 4,018,122 | 7,892,266 |

Annual Change

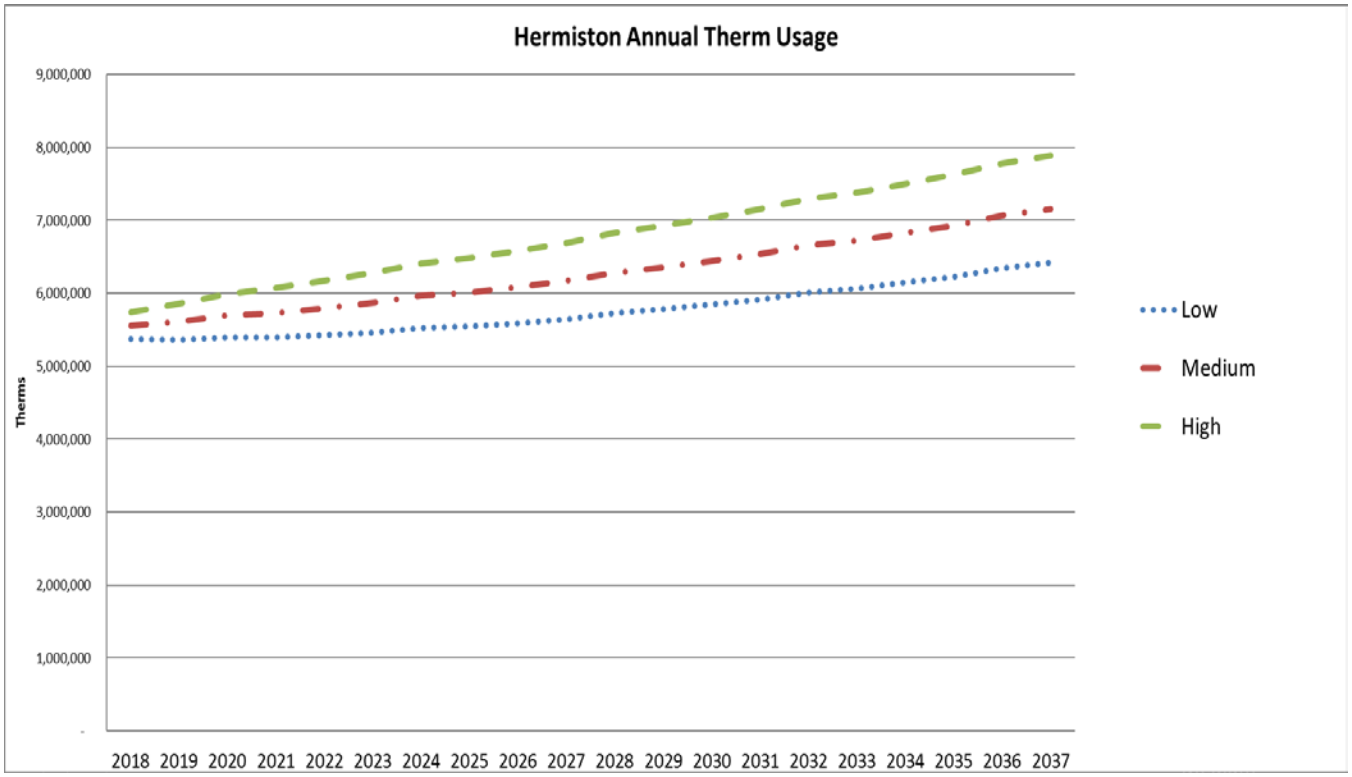
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.17% | -0.30% | -0.10% | 1.51% | 0.57% | 0.97% | 2.74% | 1.47% | 2.02% |
| 2020 | 0.98% | 0.30% | 0.59% | 2.03% | 1.05% | 1.47% | 2.98% | 1.69% | 2.26% |
| 2021 | 0.34% | -0.35% | -0.05% | 1.21% | 0.27% | 0.68% | 1.97% | 0.79% | 1.31% |
| 2022 | 0.97% | 0.14% | 0.50% | 1.71% | 0.65% | 1.12% | 2.35% | 1.16% | 1.69% |
| 2023 | 1.16% | 0.24% | 0.64% | 1.79% | 0.71% | 1.19% | 2.32% | 1.09% | 1.64% |
| 2024 | 1.76% | 0.71% | 1.16% | 2.30% | 1.10% | 1.63% | 2.76% | 1.50% | 2.07% |
| 2025 | 0.96% | -0.04% | 0.40% | 1.44% | 0.35% | 0.84% | 1.83% | 0.67% | 1.20% |
| 2026 | 1.52% | 0.42% | 0.90% | 1.94% | 0.75% | 1.28% | 2.27% | 1.05% | 1.61% |
| 2027 | 1.62% | 0.44% | 0.96% | 1.99% | 0.78% | 1.32% | 2.28% | 1.04% | 1.61% |
| 2028 | 2.14% | 0.88% | 1.44% | 2.44% | 1.14% | 1.73% | 2.70% | 1.44% | 2.02% |
| 2029 | 1.36% | 0.60% | 0.94% | 1.63% | 0.85% | 1.21% | 1.84% | 1.07% | 1.43% |
| 2030 | 1.85% | 0.58% | 1.15% | 2.08% | 0.84% | 1.41% | 2.26% | 1.02% | 1.60% |
| 2031 | 1.92% | 0.61% | 1.20% | 2.11% | 0.84% | 1.43% | 2.27% | 1.07% | 1.63% |
| 2032 | 2.42% | 1.01% | 1.65% | 2.58% | 1.24% | 1.86% | 2.71% | 1.43% | 2.04% |
| 2033 | 1.55% | 0.26% | 0.85% | 1.69% | 0.45% | 1.03% | 1.79% | 0.64% | 1.19% |
| 2034 | 2.06% | 0.68% | 1.32% | 2.17% | 0.92% | 1.51% | 2.25% | 1.03% | 1.62% |
| 2035 | 2.11% | 0.70% | 1.35% | 2.19% | 0.85% | 1.48% | 2.26% | 1.06% | 1.64% |
| 2036 | 2.58% | 1.15% | 1.82% | 2.64% | 1.30% | 1.94% | 2.69% | 1.45% | 2.05% |
| 2037 | 1.70% | 0.78% | 1.21% | 1.75% | 0.90% | 1.31% | 1.78% | 0.99% | 1.38% |

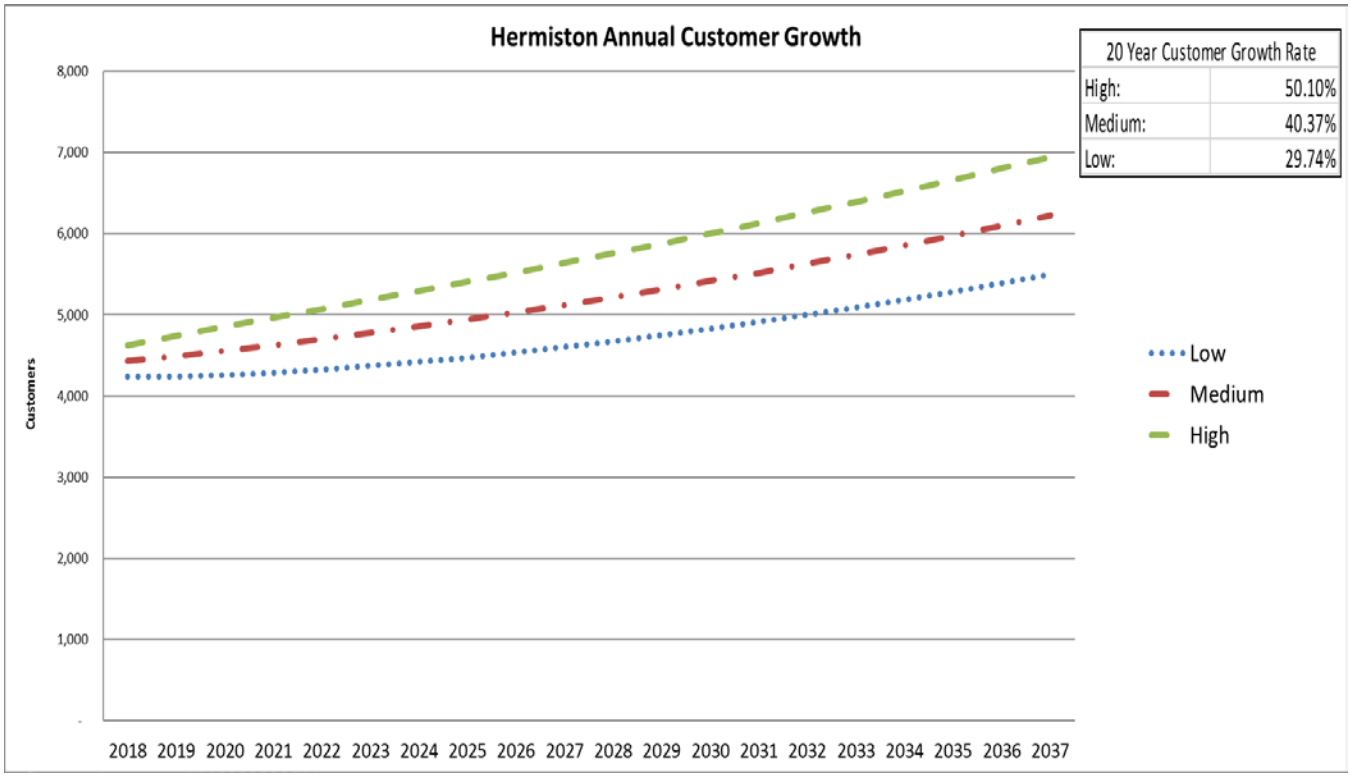
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,535 | 702 | 4,236 | 3,712 | 720 | 4,432 | 3,889 | 738 | 4,627 |
| 2019 | 3,541 | 700 | 4,241 | 3,769 | 724 | 4,493 | 3,996 | 750 | 4,745 |
| 2020 | 3,560 | 699 | 4,259 | 3,829 | 729 | 4,558 | 4,097 | 760 | 4,857 |
| 2021 | 3,589 | 699 | 4,288 | 3,893 | 734 | 4,627 | 4,197 | 770 | 4,966 |
| 2022 | 3,625 | 701 | 4,325 | 3,960 | 740 | 4,700 | 4,296 | 779 | 5,075 |
| 2023 | 3,667 | 702 | 4,369 | 4,032 | 745 | 4,777 | 4,397 | 788 | 5,185 |
| 2024 | 3,715 | 704 | 4,419 | 4,106 | 751 | 4,857 | 4,498 | 797 | 5,295 |
| 2025 | 3,768 | 707 | 4,475 | 4,185 | 757 | 4,941 | 4,602 | 806 | 5,408 |
| 2026 | 3,826 | 710 | 4,536 | 4,266 | 763 | 5,029 | 4,707 | 815 | 5,522 |
| 2027 | 3,888 | 714 | 4,602 | 4,352 | 769 | 5,121 | 4,815 | 824 | 5,639 |
| 2028 | 3,955 | 718 | 4,673 | 4,440 | 776 | 5,215 | 4,924 | 833 | 5,758 |
| 2029 | 4,027 | 722 | 4,749 | 4,532 | 783 | 5,314 | 5,037 | 843 | 5,880 |
| 2030 | 4,102 | 727 | 4,828 | 4,626 | 790 | 5,416 | 5,151 | 853 | 6,004 |
| 2031 | 4,181 | 731 | 4,912 | 4,725 | 797 | 5,521 | 5,269 | 862 | 6,131 |
| 2032 | 4,264 | 736 | 5,000 | 4,826 | 804 | 5,630 | 5,388 | 872 | 6,260 |
| 2033 | 4,350 | 741 | 5,092 | 4,931 | 811 | 5,742 | 5,510 | 881 | 6,392 |
| 2034 | 4,440 | 747 | 5,187 | 5,038 | 819 | 5,857 | 5,635 | 891 | 6,526 |
| 2035 | 4,534 | 752 | 5,286 | 5,148 | 826 | 5,975 | 5,762 | 901 | 6,663 |
| 2036 | 4,631 | 758 | 5,389 | 5,261 | 834 | 6,096 | 5,892 | 911 | 6,803 |
| 2037 | 4,731 | 765 | 5,496 | 5,378 | 843 | 6,221 | 6,024 | 921 | 6,945 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.18% | -0.32% | 0.10% | 1.53% | 0.60% | 1.38% | 2.75% | 1.56% | 2.56% |
| 2020 | 0.54% | -0.10% | 0.44% | 1.59% | 0.69% | 1.45% | 2.54% | 1.37% | 2.35% |
| 2021 | 0.80% | 0.06% | 0.68% | 1.67% | 0.70% | 1.52% | 2.43% | 1.26% | 2.25% |
| 2022 | 1.00% | 0.17% | 0.86% | 1.74% | 0.73% | 1.58% | 2.37% | 1.23% | 2.20% |
| 2023 | 1.17% | 0.25% | 1.02% | 1.80% | 0.74% | 1.63% | 2.33% | 1.17% | 2.15% |
| 2024 | 1.30% | 0.31% | 1.14% | 1.85% | 0.75% | 1.68% | 2.31% | 1.16% | 2.14% |
| 2025 | 1.43% | 0.40% | 1.27% | 1.90% | 0.80% | 1.73% | 2.30% | 1.13% | 2.12% |
| 2026 | 1.53% | 0.44% | 1.36% | 1.95% | 0.79% | 1.77% | 2.29% | 1.12% | 2.11% |
| 2027 | 1.64% | 0.48% | 1.46% | 2.00% | 0.82% | 1.82% | 2.29% | 1.10% | 2.11% |
| 2028 | 1.73% | 0.53% | 1.54% | 2.03% | 0.83% | 1.85% | 2.28% | 1.11% | 2.11% |
| 2029 | 1.80% | 0.64% | 1.62% | 2.07% | 0.92% | 1.90% | 2.28% | 1.19% | 2.12% |
| 2030 | 1.86% | 0.63% | 1.68% | 2.09% | 0.88% | 1.91% | 2.28% | 1.09% | 2.11% |
| 2031 | 1.93% | 0.64% | 1.74% | 2.13% | 0.90% | 1.95% | 2.28% | 1.11% | 2.11% |
| 2032 | 1.98% | 0.66% | 1.79% | 2.14% | 0.90% | 1.96% | 2.27% | 1.10% | 2.11% |
| 2033 | 2.03% | 0.71% | 1.84% | 2.17% | 0.91% | 1.99% | 2.27% | 1.11% | 2.11% |
| 2034 | 2.07% | 0.72% | 1.87% | 2.18% | 0.97% | 2.01% | 2.26% | 1.08% | 2.10% |
| 2035 | 2.11% | 0.75% | 1.91% | 2.19% | 0.91% | 2.01% | 2.25% | 1.11% | 2.10% |
| 2036 | 2.14% | 0.80% | 1.95% | 2.20% | 0.96% | 2.03% | 2.25% | 1.11% | 2.10% |
| 2037 | 2.16% | 0.87% | 1.98% | 2.21% | 1.03% | 2.05% | 2.24% | 1.14% | 2.09% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.10% |
| Medium: | 40.37% |
| Low: | 29.74% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

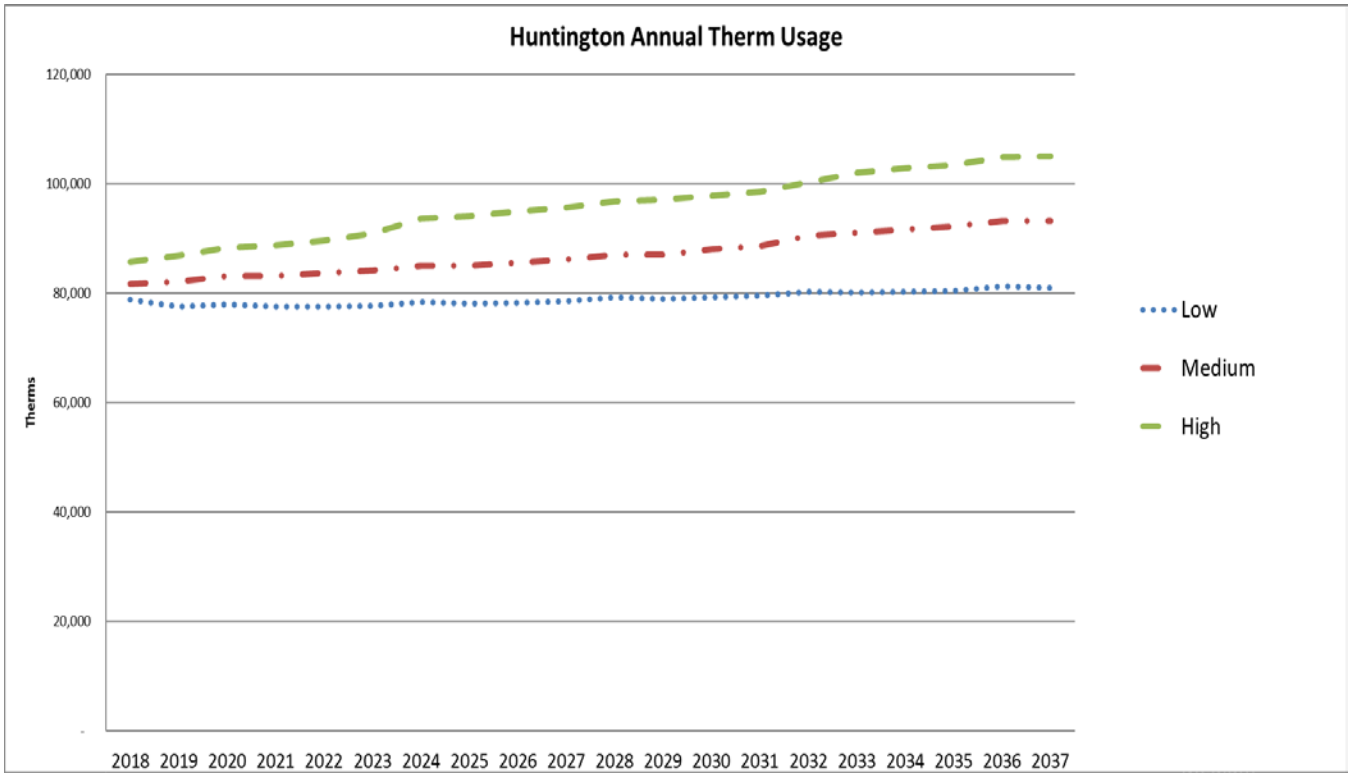
## Huntington

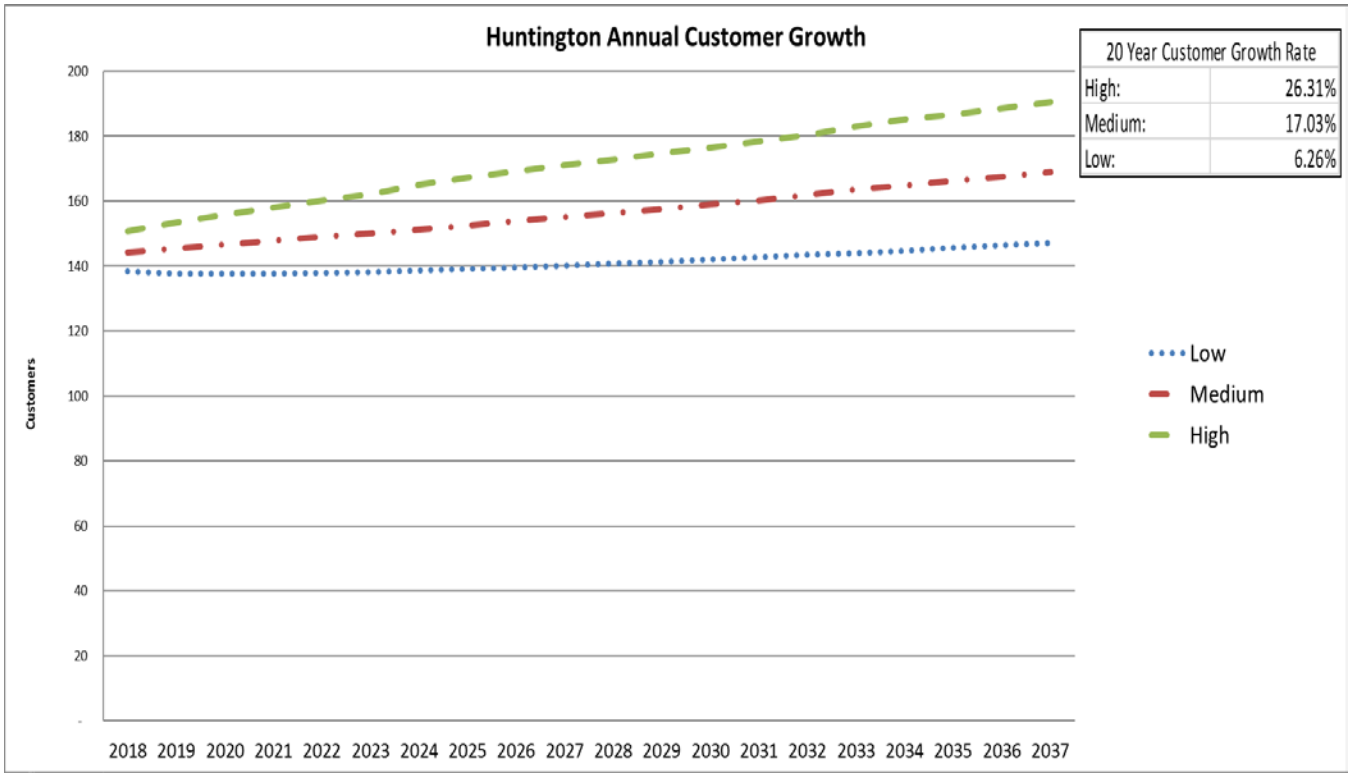
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 76,886 | 1,902 | 78,788 | 79,745 | 2,015 | 81,760 | 83,682 | 2,134 | 85,816 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 75,663 | 1,896 | 77,559 | 80,150 | 2,020 | 82,171 | 84,804 | 2,145 | 86,950 | -1.59% | -0.31% | -1.56% | 0.51% | 0.29% | 0.50% | 1.34% | 0.55% | 1.32% |
| 2020 | 76,052 | 1,896 | 77,948 | 81,073 | 2,032 | 83,105 | 86,158 | 2,163 | 88,321 | 0.51% | 0.00% | 0.50% | 1.15% | 0.58% | 1.14% | 1.60% | 0.83% | 1.58% |
| 2021 | 75,664 | 1,896 | 77,559 | 81,093 | 2,038 | 83,131 | 86,660 | 2,175 | 88,835 | -0.51% | 0.00% | -0.50% | 0.02% | 0.29% | 0.03% | 0.58% | 0.55% | 0.58% |
| 2022 | 75,712 | 1,902 | 77,613 | 81,661 | 2,044 | 83,705 | 87,515 | 2,187 | 89,702 | 0.06% | 0.31% | 0.07% | 0.70% | 0.29% | 0.69% | 0.99% | 0.54% | 0.98% |
| 2023 | 75,802 | 1,902 | 77,704 | 82,085 | 2,050 | 84,135 | 88,700 | 2,199 | 90,899 | 0.12% | 0.00% | 0.12% | 0.52% | 0.29% | 0.51% | 1.35% | 0.54% | 1.33% |
| 2024 | 76,456 | 1,902 | 78,358 | 82,982 | 2,056 | 85,038 | 91,491 | 2,210 | 93,702 | 0.86% | 0.00% | 0.84% | 1.09% | 0.29% | 1.07% | 3.15% | 0.54% | 3.08% |
| 2025 | 76,213 | 1,907 | 78,121 | 83,004 | 2,068 | 85,072 | 91,778 | 2,306 | 94,084 | -0.32% | 0.31% | -0.30% | 0.03% | 0.57% | 0.04% | 0.31% | 4.31% | 0.41% |
| 2026 | 76,435 | 1,907 | 78,343 | 83,504 | 2,074 | 85,578 | 92,582 | 2,317 | 94,899 | 0.29% | 0.00% | 0.28% | 0.60% | 0.29% | 0.59% | 0.88% | 0.51% | 0.87% |
| 2027 | 76,616 | 1,913 | 78,529 | 84,106 | 2,080 | 86,185 | 93,327 | 2,329 | 95,656 | 0.24% | 0.31% | 0.24% | 0.72% | 0.28% | 0.71% | 0.80% | 0.51% | 0.80% |
| 2028 | 77,304 | 1,913 | 79,218 | 84,980 | 2,086 | 87,065 | 94,426 | 2,341 | 96,767 | 0.90% | 0.00% | 0.88% | 1.04% | 0.28% | 1.02% | 1.18% | 0.51% | 1.16% |
| 2029 | 77,042 | 1,919 | 78,961 | 85,011 | 2,097 | 87,109 | 94,727 | 2,353 | 97,080 | -0.34% | 0.31% | -0.32% | 0.04% | 0.57% | 0.05% | 0.32% | 0.50% | 0.32% |
| 2030 | 77,419 | 1,925 | 79,345 | 85,895 | 2,103 | 87,999 | 95,483 | 2,365 | 97,847 | 0.49% | 0.31% | 0.49% | 1.04% | 0.28% | 1.02% | 0.80% | 0.50% | 0.79% |
| 2031 | 77,780 | 1,848 | 79,627 | 86,497 | 2,109 | 88,606 | 96,199 | 2,377 | 98,576 | 0.47% | -4.03% | 0.36% | 0.70% | 0.28% | 0.69% | 0.75% | 0.50% | 0.74% |
| 2032 | 78,465 | 1,848 | 80,313 | 88,448 | 2,115 | 90,563 | 97,879 | 2,388 | 100,268 | 0.88% | 0.00% | 0.86% | 2.26% | 0.28% | 2.21% | 1.75% | 0.50% | 1.72% |
| 2033 | 78,286 | 1,854 | 80,139 | 88,967 | 2,127 | 91,094 | 99,685 | 2,394 | 102,079 | -0.23% | 0.32% | -0.22% | 0.59% | 0.56% | 0.59% | 1.85% | 0.25% | 1.81% |
| 2034 | 78,423 | 1,859 | 80,283 | 89,514 | 2,133 | 91,647 | 100,349 | 2,490 | 102,838 | 0.18% | 0.32% | 0.18% | 0.61% | 0.28% | 0.61% | 0.67% | 3.98% | 0.74% |
| 2035 | 78,636 | 1,865 | 80,501 | 90,027 | 2,222 | 92,249 | 100,989 | 2,501 | 103,491 | 0.27% | 0.32% | 0.27% | 0.57% | 4.19% | 0.66% | 0.64% | 0.47% | 0.63% |
| 2036 | 79,354 | 1,871 | 81,226 | 90,934 | 2,234 | 93,168 | 102,310 | 2,513 | 104,823 | 0.91% | 0.32% | 0.90% | 1.01% | 0.53% | 1.00% | 1.31% | 0.47% | 1.29% |
| 2037 | 79,200 | 1,871 | 81,072 | 90,972 | 2,240 | 93,212 | 102,461 | 2,525 | 104,986 | -0.19% | 0.00% | -0.19% | 0.04% | 0.26% | 0.05% | 0.15% | 0.47% | 0.16% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 5 | 1,178 | 1,183 | 6 | 1,196 | 1,202 | 6 | 1,214 | 1,220 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5 | 1,184 | 1,189 | 6 | 1,202 | 1,207 | 6 | 1,220 | 1,226 | -0.31% | 0.50% | 0.50% | 0.29% | 0.50% | 0.50% | 0.55% | 0.50% | 0.50% |
| 2020 | 5 | 1,196 | 1,201 | 6 | 1,214 | 1,219 | 6 | 1,232 | 1,238 | 0.00% | 0.99% | 0.99% | 0.58% | 0.99% | 0.99% | 0.83% | 0.99% | 0.99% |
| 2021 | 5 | 1,202 | 1,207 | 6 | 1,220 | 1,225 | 6 | 1,238 | 1,244 | 0.00% | 0.49% | 0.49% | 0.29% | 0.49% | 0.49% | 0.55% | 0.49% | 0.49% |
| 2022 | 5 | 1,208 | 1,213 | 6 | 1,226 | 1,231 | 6 | 1,244 | 1,250 | 0.31% | 0.49% | 0.49% | 0.29% | 0.49% | 0.49% | 0.54% | 0.49% | 0.49% |
| 2023 | 5 | 1,213 | 1,219 | 6 | 1,232 | 1,237 | 6 | 1,250 | 1,256 | 0.00% | 0.49% | 0.48% | 0.29% | 0.49% | 0.48% | 0.54% | 0.48% | 0.48% |
| 2024 | 5 | 1,219 | 1,225 | 6 | 1,238 | 1,243 | 6 | 1,256 | 1,262 | 0.00% | 0.48% | 0.48% | 0.29% | 0.48% | 0.48% | 0.54% | 0.48% | 0.48% |
| 2025 | 5 | 1,225 | 1,230 | 6 | 1,244 | 1,249 | 6 | 1,262 | 1,268 | 0.31% | 0.48% | 0.48% | 0.57% | 0.48% | 0.48% | 4.31% | 0.46% | 0.48% |
| 2026 | 5 | 1,237 | 1,242 | 6 | 1,256 | 1,261 | 6 | 1,274 | 1,280 | 0.00% | 0.96% | 0.96% | 0.29% | 0.96% | 0.96% | 0.51% | 0.96% | 0.96% |
| 2027 | 5 | 1,243 | 1,248 | 6 | 1,261 | 1,267 | 6 | 1,280 | 1,286 | 0.31% | 0.47% | 0.47% | 0.28% | 0.47% | 0.47% | 0.51% | 0.47% | 0.47% |
| 2028 | 5 | 1,249 | 1,254 | 6 | 1,267 | 1,273 | 6 | 1,286 | 1,293 | 0.00% | 0.47% | 0.47% | 0.28% | 0.47% | 0.47% | 0.51% | 0.47% | 0.47% |
| 2029 | 5 | 1,255 | 1,260 | 6 | 1,273 | 1,279 | 6 | 1,292 | 1,299 | 0.31% | 0.47% | 0.47% | 0.57% | 0.47% | 0.47% | 0.50% | 0.47% | 0.47% |
| 2030 | 5 | 1,266 | 1,272 | 6 | 1,285 | 1,291 | 6 | 1,304 | 1,311 | 0.31% | 0.94% | 0.93% | 0.28% | 0.94% | 0.93% | 0.50% | 0.94% | 0.93% |
| 2031 | 5 | 1,272 | 1,277 | 6 | 1,291 | 1,297 | 7 | 1,310 | 1,317 | -4.03% | 0.48% | 0.46% | 0.28% | 0.46% | 0.46% | 0.50% | 0.46% | 0.46% |
| 2032 | 5 | 1,306 | 1,311 | 6 | 1,325 | 1,331 | 7 | 1,345 | 1,351 | 0.00% | 2.63% | 2.62% | 0.28% | 2.63% | 2.62% | 0.50% | 2.63% | 2.62% |
| 2033 | 5 | 1,318 | 1,323 | 6 | 1,337 | 1,343 | 7 | 1,357 | 1,363 | 0.32% | 0.90% | 0.90% | 0.56% | 0.90% | 0.90% | 0.25% | 0.90% | 0.90% |
| 2034 | 5 | 1,323 | 1,328 | 6 | 1,343 | 1,349 | 7 | 1,363 | 1,369 | 0.32% | 0.44% | 0.44% | 0.28% | 0.45% | 0.44% | 3.98% | 0.43% | 0.44% |
| 2035 | 5 | 1,329 | 1,334 | 6 | 1,349 | 1,355 | 7 | 1,369 | 1,375 | 0.32% | 0.44% | 0.44% | 4.19% | 0.43% | 0.44% | 0.47% | 0.44% | 0.44% |
| 2036 | 5 | 1,341 | 1,346 | 6 | 1,361 | 1,367 | 7 | 1,381 | 1,388 | 0.32% | 0.88% | 0.88% | 0.53% | 0.88% | 0.88% | 0.47% | 0.88% | 0.88% |
| 2037 | 5 | 1,347 | 1,352 | 6 | 1,367 | 1,373 | 7 | 1,387 | 1,394 | 0.00% | 0.44% | 0.44% | 0.26% | 0.44% | 0.44% | 0.47% | 0.44% | 0.44% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 50,886 | 27,902 | 78,788 | 52,905 | 28,855 | 81,760 | 55,037 | 30,779 | 85,816 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 50,628 | 26,931 | 77,559 | 53,316 | 28,855 | 82,171 | 56,171 | 30,779 | 86,950 | -0.51% | -3.48% | -1.56% | 0.78% | 0.00% | 0.50% | 2.06% | 0.00% | 1.32% |
| 2020 | 50,876 | 27,072 | 77,948 | 54,100 | 29,005 | 83,105 | 57,382 | 30,939 | 88,321 | 0.49% | 0.52% | 0.50% | 1.47% | 0.52% | 1.14% | 2.16% | 0.52% | 1.58% |
| 2021 | 50,628 | 26,931 | 77,559 | 54,276 | 28,855 | 83,131 | 58,056 | 30,779 | 88,835 | -0.49% | -0.52% | -0.50% | 0.33% | -0.52% | 0.03% | 1.18% | -0.52% | 0.58% |
| 2022 | 50,685 | 26,928 | 77,613 | 54,854 | 28,852 | 83,705 | 58,927 | 30,775 | 89,702 | 0.11% | -0.01% | 0.07% | 1.07% | -0.01% | 0.69% | 1.50% | -0.01% | 0.98% |
| 2023 | 50,775 | 26,928 | 77,704 | 55,284 | 28,852 | 84,135 | 59,742 | 31,157 | 90,899 | 0.18% | 0.00% | 0.12% | 0.78% | 0.00% | 0.51% | 1.38% | 1.24% | 1.33% |
| 2024 | 51,286 | 27,072 | 78,358 | 56,032 | 29,005 | 85,038 | 60,864 | 32,838 | 93,702 | 1.01% | 0.53% | 0.84% | 1.35% | 0.53% | 1.07% | 1.88% | 5.40% | 3.08% |
| 2025 | 51,189 | 26,931 | 78,121 | 56,217 | 28,855 | 85,072 | 61,381 | 32,702 | 94,084 | -0.19% | -0.52% | -0.30% | 0.33% | -0.52% | 0.04% | 0.85% | -0.41% | 0.41% |
| 2026 | 51,411 | 26,931 | 78,343 | 56,723 | 28,855 | 85,578 | 62,197 | 32,702 | 94,899 | 0.43% | 0.00% | 0.28% | 0.90% | 0.00% | 0.59% | 1.33% | 0.00% | 0.87% |
| 2027 | 51,598 | 26,931 | 78,529 | 57,330 | 28,855 | 86,185 | 62,953 | 32,702 | 95,656 | 0.36% | 0.00% | 0.24% | 1.07% | 0.00% | 0.71% | 1.22% | 0.00% | 0.80% |
| 2028 | 52,153 | 27,065 | 79,218 | 58,067 | 28,998 | 87,065 | 63,902 | 32,865 | 96,767 | 1.08% | 0.50% | 0.88% | 1.29% | 0.50% | 1.02% | 1.51% | 0.50% | 1.16% |
| 2029 | 52,029 | 26,931 | 78,961 | 58,254 | 28,855 | 87,109 | 64,378 | 32,702 | 97,080 | -0.24% | -0.49% | -0.32% | 0.32% | -0.49% | 0.05% | 0.74% | -0.49% | 0.32% |
| 2030 | 52,413 | 26,931 | 79,345 | 58,762 | 29,237 | 87,999 | 65,145 | 32,702 | 97,847 | 0.74% | 0.00% | 0.49% | 0.87% | 1.32% | 1.02% | 1.19% | 0.00% | 0.79% |
| 2031 | 52,731 | 26,897 | 79,627 | 59,369 | 29,237 | 88,606 | 65,873 | 32,702 | 98,576 | 0.61% | -0.13% | 0.36% | 1.03% | 0.00% | 0.69% | 1.12% | 0.00% | 0.74% |
| 2032 | 53,276 | 27,037 | 80,313 | 60,131 | 30,432 | 90,563 | 67,013 | 33,255 | 100,268 | 1.03% | 0.52% | 0.86% | 1.28% | 4.09% | 2.21% | 1.73% | 1.69% | 1.72% |
| 2033 | 53,246 | 26,893 | 80,139 | 60,354 | 30,740 | 91,094 | 67,493 | 34,587 | 102,079 | -0.06% | -0.53% | -0.22% | 0.37% | 1.01% | 0.59% | 0.72% | 4.01% | 1.81% |
| 2034 | 53,630 | 26,653 | 80,283 | 60,906 | 30,740 | 91,647 | 68,216 | 34,622 | 102,838 | 0.72% | -0.89% | 0.18% | 0.92% | 0.00% | 0.61% | 1.07% | 0.10% | 0.74% |
| 2035 | 53,955 | 26,546 | 80,501 | 61,470 | 30,779 | 92,249 | 68,864 | 34,626 | 103,491 | 0.60% | -0.40% | 0.27% | 0.93% | 0.13% | 0.66% | 0.95% | 0.01% | 0.63% |
| 2036 | 54,539 | 26,687 | 81,226 | 62,229 | 30,939 | 93,168 | 70,017 | 34,807 | 104,823 | 1.08% | 0.53% | 0.90% | 1.24% | 0.52% | 1.00% | 1.67% | 0.52% | 1.29% |
| 2037 | 54,647 | 26,425 | 81,072 | 62,433 | 30,779 | 93,212 | 70,360 | 34,626 | 104,986 | 0.20% | -0.98% | -0.19% | 0.33% | -0.52% | 0.05% | 0.49% | -0.52% | 0.16% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 124 | 14 | 139 | 129 | 15 | 144 | 135 | 16 | 151 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 124 | 14 | 138 | 130 | 15 | 145 | 137 | 16 | 153 | -0.40% | -1.75% | -0.54% | 0.84% | 0.00% | 0.75% | 1.92% | 0.00% | 1.71% |
| 2020 | 124 | 14 | 138 | 132 | 15 | 147 | 140 | 16 | 156 | 0.00% | 0.00% | 0.00% | 1.02% | 0.00% | 0.92% | 1.76% | 0.00% | 1.58% |
| 2021 | 124 | 14 | 138 | 133 | 15 | 148 | 142 | 16 | 158 | 0.00% | 0.00% | 0.00% | 0.89% | 0.00% | 0.80% | 1.67% | 0.00% | 1.50% |
| 2022 | 124 | 14 | 138 | 134 | 15 | 149 | 144 | 16 | 160 | 0.20% | 0.00% | 0.18% | 0.88% | 0.00% | 0.79% | 1.47% | 0.00% | 1.32% |
| 2023 | 124 | 14 | 138 | 135 | 15 | 150 | 146 | 16 | 162 | 0.07% | 0.00% | 0.06% | 0.81% | 0.00% | 0.73% | 1.39% | 0.52% | 1.30% |
| 2024 | 125 | 14 | 139 | 136 | 15 | 151 | 148 | 17 | 165 | 0.54% | 0.00% | 0.48% | 0.86% | 0.00% | 0.78% | 1.43% | 4.66% | 1.75% |
| 2025 | 125 | 14 | 139 | 138 | 15 | 153 | 150 | 17 | 167 | 0.27% | 0.00% | 0.24% | 0.92% | 0.00% | 0.83% | 1.29% | 0.99% | 1.26% |
| 2026 | 126 | 14 | 140 | 139 | 15 | 154 | 152 | 17 | 169 | 0.40% | 0.00% | 0.36% | 0.97% | 0.00% | 0.87% | 1.33% | 0.00% | 1.20% |
| 2027 | 126 | 14 | 140 | 140 | 15 | 155 | 154 | 17 | 171 | 0.40% | 0.00% | 0.36% | 0.90% | 0.00% | 0.81% | 1.26% | 0.00% | 1.13% |
| 2028 | 127 | 14 | 141 | 141 | 15 | 156 | 156 | 17 | 173 | 0.59% | 0.00% | 0.54% | 0.83% | 0.00% | 0.75% | 1.14% | 0.00% | 1.02% |
| 2029 | 127 | 14 | 141 | 143 | 15 | 158 | 158 | 17 | 175 | 0.33% | 0.00% | 0.30% | 0.83% | 0.00% | 0.75% | 1.18% | 0.00% | 1.06% |
| 2030 | 128 | 14 | 142 | 144 | 15 | 159 | 160 | 17 | 177 | 0.65% | 0.00% | 0.59% | 0.99% | 0.56% | 0.95% | 1.16% | 0.00% | 1.05% |
| 2031 | 129 | 14 | 143 | 145 | 15 | 160 | 161 | 17 | 178 | 0.72% | -1.19% | 0.53% | 0.87% | 0.00% | 0.79% | 1.20% | 0.00% | 1.09% |
| 2032 | 130 | 14 | 143 | 146 | 16 | 162 | 163 | 17 | 180 | 0.45% | 0.00% | 0.41% | 0.80% | 3.31% | 1.04% | 1.19% | 0.49% | 1.12% |
| 2033 | 130 | 14 | 144 | 148 | 16 | 164 | 165 | 18 | 183 | 0.51% | 0.00% | 0.46% | 0.97% | 1.60% | 1.03% | 1.17% | 4.39% | 1.48% |
| 2034 | 131 | 14 | 145 | 149 | 16 | 165 | 167 | 18 | 185 | 0.64% | -0.60% | 0.52% | 0.90% | 0.00% | 0.82% | 1.11% | 0.93% | 1.09% |
| 2035 | 132 | 14 | 146 | 150 | 16 | 166 | 169 | 18 | 187 | 0.70% | -0.61% | 0.58% | 0.84% | 1.05% | 0.86% | 0.95% | 0.00% | 0.86% |
| 2036 | 133 | 14 | 147 | 152 | 16 | 168 | 171 | 18 | 189 | 0.63% | 0.00% | 0.57% | 0.83% | 0.00% | 0.75% | 1.14% | 0.00% | 1.03% |
| 2037 | 134 | 14 | 147 | 153 | 16 | 169 | 172 | 18 | 190 | 0.56% | -0.61% | 0.46% | 0.88% | 0.00% | 0.80% | 1.07% | 0.00% | 0.97% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 26.31% |
| Medium: | 17.03% |
| Low: | 6.26% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

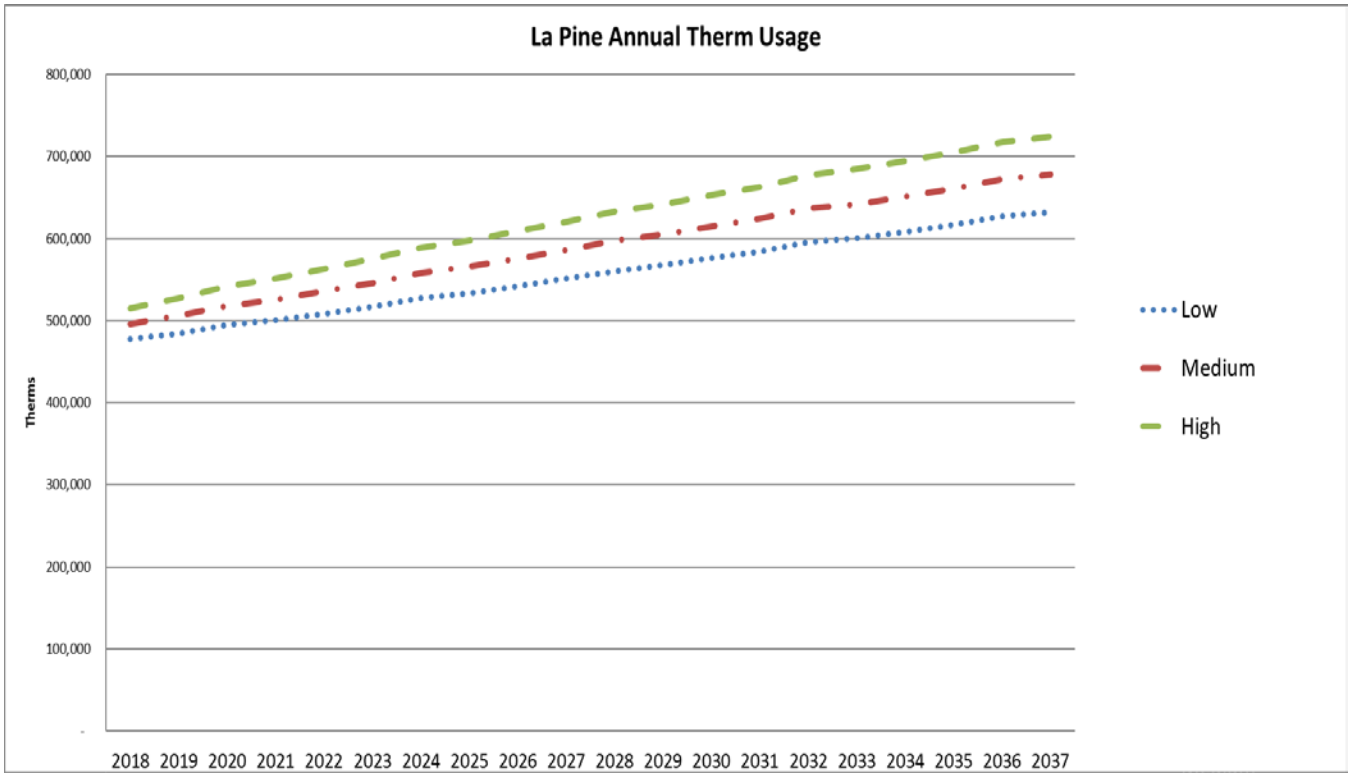
## La Pine

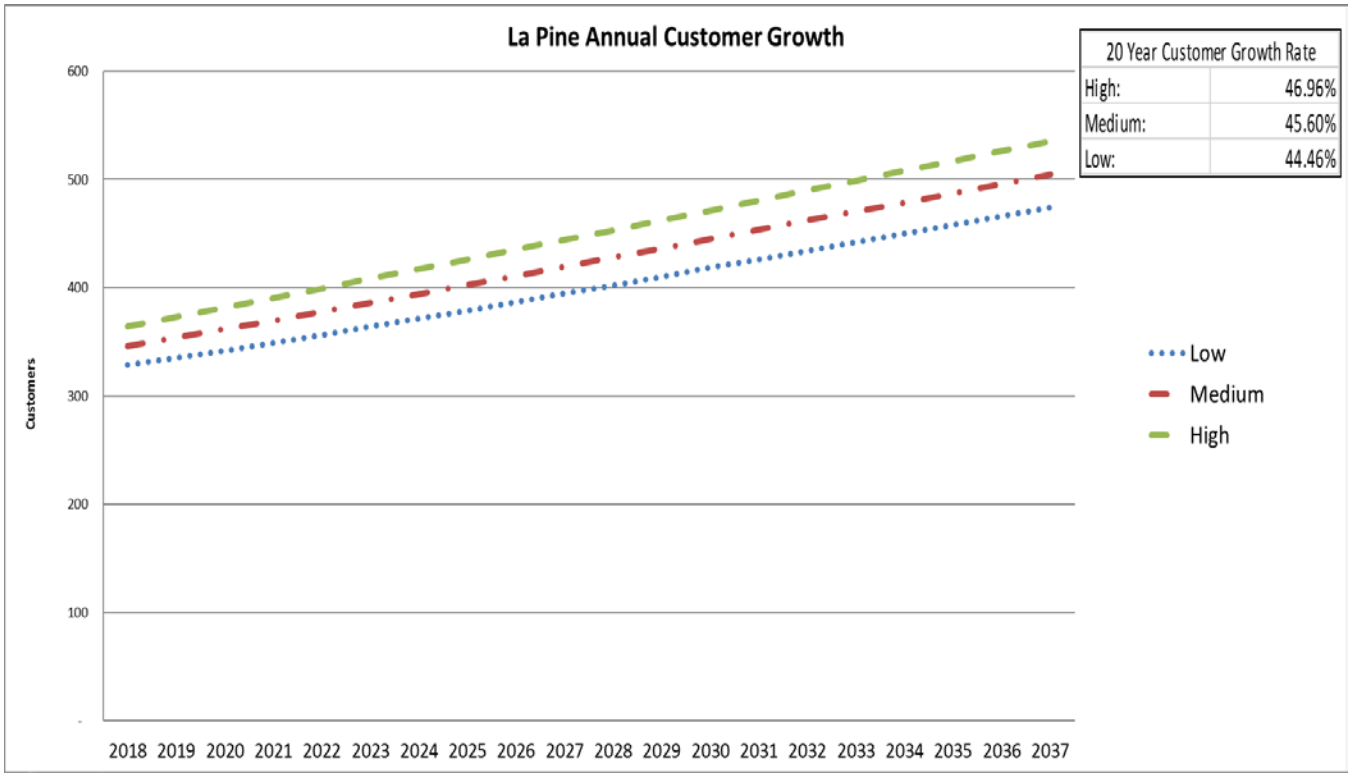
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 334,933 | 142,860 | 477,793 | 347,404 | 148,914 | 496,318 | 360,799 | 153,939 | 514,738 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 339,709 | 144,770 | 484,479 | 354,969 | 151,500 | 506,470 | 369,187 | 158,407 | 527,594 | 1.43% | 1.34% | 1.40% | 2.18% | 1.74% | 2.05% | 2.32% | 2.90% | 2.50% |
| 2020 | 347,650 | 147,356 | 495,006 | 364,101 | 154,263 | 518,364 | 380,222 | 162,022 | 542,245 | 2.34% | 1.79% | 2.17% | 2.57% | 1.82% | 2.35% | 2.99% | 2.28% | 2.78% |
| 2021 | 350,499 | 149,943 | 500,442 | 368,088 | 157,702 | 525,791 | 386,306 | 165,462 | 551,767 | 0.82% | 1.76% | 1.10% | 1.10% | 2.23% | 1.43% | 1.60% | 2.12% | 1.76% |
| 2022 | 356,210 | 151,853 | 508,062 | 375,561 | 160,465 | 536,026 | 394,420 | 169,077 | 563,497 | 1.63% | 1.27% | 1.52% | 2.03% | 1.75% | 1.95% | 2.10% | 2.19% | 2.13% |
| 2023 | 362,609 | 154,615 | 517,224 | 382,719 | 163,227 | 545,947 | 403,331 | 171,840 | 575,171 | 1.80% | 1.82% | 1.80% | 1.91% | 1.72% | 1.85% | 2.26% | 1.63% | 2.07% |
| 2024 | 370,414 | 157,378 | 527,792 | 392,326 | 165,990 | 558,316 | 413,472 | 175,631 | 589,103 | 2.15% | 1.79% | 2.04% | 2.51% | 1.69% | 2.27% | 2.51% | 2.21% | 2.42% |
| 2025 | 373,822 | 159,288 | 533,110 | 395,969 | 169,605 | 565,574 | 418,566 | 179,246 | 597,813 | 0.92% | 1.21% | 1.01% | 0.93% | 2.18% | 1.30% | 1.23% | 2.06% | 1.48% |
| 2026 | 380,324 | 162,051 | 542,375 | 403,249 | 172,368 | 575,617 | 427,175 | 182,009 | 609,184 | 1.74% | 1.73% | 1.74% | 1.84% | 1.63% | 1.78% | 2.06% | 1.54% | 1.90% |
| 2027 | 386,449 | 164,813 | 551,262 | 411,108 | 175,307 | 586,415 | 434,426 | 185,801 | 620,227 | 1.61% | 1.70% | 1.64% | 1.95% | 1.70% | 1.88% | 1.70% | 2.08% | 1.81% |
| 2028 | 393,719 | 166,723 | 560,442 | 419,857 | 178,070 | 597,926 | 444,907 | 188,563 | 633,470 | 1.88% | 1.16% | 1.67% | 2.13% | 1.58% | 1.96% | 2.41% | 1.49% | 2.14% |
| 2029 | 398,258 | 169,486 | 567,744 | 424,430 | 181,008 | 605,438 | 449,785 | 192,355 | 642,140 | 1.15% | 1.66% | 1.30% | 1.09% | 1.65% | 1.26% | 1.10% | 2.01% | 1.37% |
| 2030 | 404,324 | 172,425 | 576,749 | 431,093 | 183,771 | 614,864 | 457,571 | 195,294 | 652,865 | 1.52% | 1.73% | 1.59% | 1.57% | 1.53% | 1.56% | 1.73% | 1.53% | 1.67% |
| 2031 | 409,753 | 174,334 | 584,087 | 438,006 | 186,710 | 624,716 | 464,310 | 198,909 | 663,220 | 1.34% | 1.11% | 1.27% | 1.60% | 1.60% | 1.60% | 1.47% | 1.85% | 1.59% |
| 2032 | 418,818 | 177,097 | 595,915 | 447,391 | 189,472 | 636,864 | 475,263 | 201,848 | 677,111 | 2.21% | 1.58% | 2.03% | 2.14% | 1.48% | 1.94% | 2.36% | 1.48% | 2.09% |
| 2033 | 421,078 | 179,183 | 600,261 | 449,631 | 192,411 | 642,043 | 479,774 | 204,787 | 684,561 | 0.54% | 1.18% | 0.73% | 0.50% | 1.55% | 0.81% | 0.95% | 1.46% | 1.10% |
| 2034 | 426,437 | 182,122 | 608,559 | 456,348 | 194,497 | 650,845 | 486,959 | 207,726 | 694,684 | 1.27% | 1.64% | 1.38% | 1.49% | 1.08% | 1.37% | 1.50% | 1.44% | 1.48% |
| 2035 | 432,758 | 184,032 | 616,790 | 463,354 | 197,436 | 660,790 | 494,172 | 210,664 | 704,836 | 1.48% | 1.05% | 1.35% | 1.54% | 1.51% | 1.53% | 1.48% | 1.41% | 1.46% |
| 2036 | 440,747 | 186,118 | 626,865 | 472,126 | 200,375 | 672,501 | 504,301 | 213,603 | 717,904 | 1.85% | 1.13% | 1.63% | 1.89% | 1.49% | 1.77% | 2.05% | 1.40% | 1.85% |
| 2037 | 443,384 | 189,057 | 632,441 | 475,512 | 202,285 | 677,797 | 508,011 | 216,542 | 724,553 | 0.60% | 1.58% | 0.89% | 0.72% | 0.95% | 0.79% | 0.74% | 1.38% | 0.93% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 391 | 4,896 | 5,288 | 408 | 4,961 | 5,369 | 422 | 5,029 | 5,451 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 397 | 4,989 | 5,386 | 415 | 5,053 | 5,468 | 434 | 5,118 | 5,552 | 1.34% | 1.89% | 1.85% | 1.74% | 1.86% | 1.85% | 2.90% | 1.76% | 1.85% |
| 2020 | 404 | 5,073 | 5,477 | 423 | 5,138 | 5,561 | 444 | 5,202 | 5,646 | 1.79% | 1.69% | 1.69% | 1.82% | 1.68% | 1.69% | 2.28% | 1.64% | 1.69% |
| 2021 | 411 | 5,193 | 5,604 | 432 | 5,258 | 5,690 | 453 | 5,323 | 5,776 | 1.76% | 2.36% | 2.32% | 2.23% | 2.32% | 2.32% | 2.12% | 2.33% | 2.32% |
| 2022 | 416 | 5,286 | 5,702 | 440 | 5,349 | 5,789 | 463 | 5,414 | 5,877 | 1.27% | 1.78% | 1.75% | 1.75% | 1.75% | 1.75% | 2.19% | 1.71% | 1.75% |
| 2023 | 424 | 5,376 | 5,800 | 447 | 5,441 | 5,889 | 471 | 5,507 | 5,978 | 1.82% | 1.71% | 1.72% | 1.72% | 1.72% | 1.72% | 1.63% | 1.72% | 1.72% |
| 2024 | 431 | 5,466 | 5,898 | 455 | 5,533 | 5,988 | 481 | 5,598 | 6,079 | 1.79% | 1.68% | 1.69% | 1.69% | 1.69% | 1.69% | 2.21% | 1.64% | 1.69% |
| 2025 | 436 | 5,588 | 6,024 | 465 | 5,652 | 6,117 | 491 | 5,719 | 6,210 | 1.21% | 2.22% | 2.15% | 2.18% | 2.15% | 2.15% | 2.06% | 2.16% | 2.15% |
| 2026 | 444 | 5,678 | 6,122 | 472 | 5,744 | 6,216 | 499 | 5,812 | 6,311 | 1.73% | 1.62% | 1.63% | 1.63% | 1.62% | 1.63% | 1.54% | 1.63% | 1.63% |
| 2027 | 452 | 5,775 | 6,227 | 480 | 5,842 | 6,322 | 509 | 5,910 | 6,419 | 1.70% | 1.71% | 1.71% | 1.70% | 1.71% | 1.71% | 2.08% | 1.68% | 1.71% |
| 2028 | 457 | 5,868 | 6,325 | 488 | 5,934 | 6,422 | 517 | 6,003 | 6,520 | 1.16% | 1.60% | 1.57% | 1.58% | 1.57% | 1.57% | 1.49% | 1.58% | 1.57% |
| 2029 | 464 | 5,958 | 6,423 | 496 | 6,025 | 6,521 | 527 | 6,093 | 6,620 | 1.66% | 1.54% | 1.55% | 1.65% | 1.54% | 1.55% | 2.01% | 1.51% | 1.55% |
| 2030 | 472 | 6,055 | 6,527 | 503 | 6,124 | 6,627 | 535 | 6,193 | 6,728 | 1.73% | 1.62% | 1.63% | 1.53% | 1.64% | 1.63% | 1.53% | 1.64% | 1.63% |
| 2031 | 478 | 6,154 | 6,632 | 512 | 6,222 | 6,734 | 545 | 6,291 | 6,836 | 1.11% | 1.64% | 1.60% | 1.60% | 1.60% | 1.60% | 1.85% | 1.58% | 1.60% |
| 2032 | 485 | 6,245 | 6,730 | 519 | 6,314 | 6,833 | 553 | 6,384 | 6,937 | 1.58% | 1.47% | 1.48% | 1.48% | 1.48% | 1.48% | 1.48% | 1.48% | 1.48% |
| 2033 | 491 | 6,315 | 6,805 | 527 | 6,383 | 6,910 | 561 | 6,454 | 7,015 | 1.18% | 1.12% | 1.12% | 1.55% | 1.09% | 1.12% | 1.46% | 1.10% | 1.12% |
| 2034 | 499 | 6,411 | 6,910 | 533 | 6,483 | 7,016 | 569 | 6,554 | 7,123 | 1.64% | 1.53% | 1.54% | 1.08% | 1.57% | 1.54% | 1.44% | 1.55% | 1.54% |
| 2035 | 504 | 6,510 | 7,015 | 541 | 6,581 | 7,122 | 577 | 6,653 | 7,231 | 1.05% | 1.55% | 1.51% | 1.51% | 1.51% | 1.51% | 1.41% | 1.52% | 1.51% |
| 2036 | 510 | 6,580 | 7,090 | 549 | 6,650 | 7,199 | 585 | 6,723 | 7,309 | 1.13% | 1.07% | 1.08% | 1.49% | 1.04% | 1.08% | 1.40% | 1.05% | 1.08% |
| 2037 | 518 | 6,677 | 7,195 | 554 | 6,751 | 7,305 | 593 | 6,823 | 7,416 | 1.58% | 1.47% | 1.48% | 0.95% | 1.52% | 1.48% | 1.38% | 1.48% | 1.48% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 126,665 | 351,129 | 477,793 | 135,815 | 360,503 | 496,318 | 144,629 | 370,109 | 514,738 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 130,017 | 354,462 | 484,479 | 139,101 | 367,368 | 506,470 | 148,271 | 379,323 | 527,594 | 2.65% | 0.95% | 1.40% | 2.42% | 1.90% | 2.05% | 2.52% | 2.49% | 2.50% |
| 2020 | 133,994 | 361,012 | 495,006 | 143,290 | 375,074 | 518,364 | 152,428 | 389,817 | 542,245 | 3.06% | 1.85% | 2.17% | 3.01% | 2.10% | 2.35% | 2.80% | 2.77% | 2.78% |
| 2021 | 136,852 | 363,589 | 500,442 | 145,977 | 379,814 | 525,791 | 155,475 | 396,292 | 551,767 | 2.13% | 0.71% | 1.10% | 1.87% | 1.26% | 1.43% | 2.00% | 1.66% | 1.76% |
| 2022 | 140,310 | 367,752 | 508,062 | 149,654 | 386,372 | 536,026 | 159,080 | 404,417 | 563,497 | 2.53% | 1.14% | 1.52% | 2.52% | 1.73% | 1.95% | 2.32% | 2.05% | 2.13% |
| 2023 | 143,958 | 373,266 | 517,224 | 153,379 | 392,568 | 545,947 | 162,873 | 412,298 | 575,171 | 2.60% | 1.50% | 1.80% | 2.49% | 1.60% | 1.85% | 2.38% | 1.95% | 2.07% |
| 2024 | 148,409 | 379,383 | 527,792 | 157,876 | 400,440 | 558,316 | 167,447 | 421,656 | 589,103 | 3.09% | 1.64% | 2.04% | 2.93% | 2.01% | 2.27% | 2.81% | 2.27% | 2.42% |
| 2025 | 151,427 | 381,683 | 533,110 | 160,935 | 404,639 | 565,574 | 170,780 | 427,033 | 597,813 | 2.03% | 0.61% | 1.01% | 1.94% | 1.05% | 1.30% | 1.99% | 1.28% | 1.48% |
| 2026 | 155,177 | 387,198 | 542,375 | 165,001 | 410,616 | 575,617 | 174,662 | 434,522 | 609,184 | 2.48% | 1.44% | 1.74% | 2.53% | 1.48% | 1.78% | 2.27% | 1.75% | 1.90% |
| 2027 | 158,977 | 392,285 | 551,262 | 168,980 | 417,435 | 586,415 | 178,833 | 441,394 | 620,227 | 2.45% | 1.31% | 1.64% | 2.41% | 1.66% | 1.88% | 2.39% | 1.58% | 1.81% |
| 2028 | 163,500 | 396,943 | 560,442 | 173,404 | 424,522 | 597,926 | 183,495 | 449,975 | 633,470 | 2.84% | 1.19% | 1.67% | 2.62% | 1.70% | 1.96% | 2.61% | 1.94% | 2.14% |
| 2029 | 166,753 | 400,990 | 567,744 | 176,969 | 428,469 | 605,438 | 187,029 | 455,111 | 642,140 | 1.99% | 1.02% | 1.30% | 2.06% | 0.93% | 1.26% | 1.93% | 1.14% | 1.37% |
| 2030 | 170,832 | 405,917 | 576,749 | 180,876 | 433,988 | 614,864 | 191,292 | 461,573 | 652,865 | 2.45% | 1.23% | 1.59% | 2.21% | 1.29% | 1.56% | 2.28% | 1.42% | 1.67% |
| 2031 | 174,819 | 409,268 | 584,087 | 185,211 | 439,505 | 624,716 | 195,519 | 467,701 | 663,220 | 2.33% | 0.83% | 1.27% | 2.40% | 1.27% | 1.60% | 2.21% | 1.33% | 1.59% |
| 2032 | 179,710 | 416,205 | 595,915 | 190,296 | 446,568 | 636,864 | 200,774 | 476,337 | 677,111 | 2.80% | 1.70% | 2.03% | 2.75% | 1.61% | 1.94% | 2.69% | 1.85% | 2.09% |
| 2033 | 182,875 | 417,386 | 600,261 | 193,474 | 448,568 | 642,043 | 204,093 | 480,468 | 684,561 | 1.76% | 0.28% | 0.73% | 1.67% | 0.45% | 0.81% | 1.65% | 0.87% | 1.10% |
| 2034 | 187,063 | 421,496 | 608,559 | 197,613 | 453,232 | 650,845 | 208,542 | 486,142 | 694,684 | 2.29% | 0.98% | 1.38% | 2.14% | 1.04% | 1.37% | 2.18% | 1.18% | 1.48% |
| 2035 | 191,289 | 425,501 | 616,790 | 201,978 | 458,812 | 660,790 | 212,995 | 491,841 | 704,836 | 2.26% | 0.95% | 1.35% | 2.21% | 1.23% | 1.53% | 2.14% | 1.17% | 1.46% |
| 2036 | 196,374 | 430,491 | 626,865 | 207,257 | 465,244 | 672,501 | 218,324 | 499,580 | 717,904 | 2.66% | 1.17% | 1.63% | 2.61% | 1.40% | 1.77% | 2.50% | 1.57% | 1.85% |
| 2037 | 199,754 | 432,686 | 632,441 | 210,710 | 467,087 | 677,797 | 221,840 | 502,713 | 724,553 | 1.72% | 0.51% | 0.89% | 1.67% | 0.40% | 0.79% | 1.61% | 0.63% | 0.93% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 202 | 127 | 328 | 216 | 130 | 347 | 230 | 134 | 364 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 207 | 128 | 335 | 222 | 133 | 354 | 236 | 137 | 373 | 2.69% | 0.99% | 2.03% | 2.43% | 1.92% | 2.24% | 2.50% | 2.49% | 2.49% |
| 2020 | 212 | 130 | 342 | 227 | 135 | 362 | 242 | 140 | 382 | 2.58% | 1.37% | 2.11% | 2.56% | 1.63% | 2.21% | 2.40% | 2.31% | 2.37% |
| 2021 | 218 | 131 | 349 | 233 | 137 | 370 | 248 | 143 | 391 | 2.59% | 1.16% | 2.05% | 2.35% | 1.73% | 2.12% | 2.41% | 2.08% | 2.29% |
| 2022 | 223 | 133 | 356 | 238 | 140 | 378 | 253 | 146 | 400 | 2.56% | 1.21% | 2.05% | 2.54% | 1.76% | 2.25% | 2.32% | 2.10% | 2.24% |
| 2023 | 229 | 135 | 364 | 244 | 142 | 386 | 260 | 149 | 409 | 2.61% | 1.50% | 2.20% | 2.48% | 1.61% | 2.16% | 2.40% | 1.94% | 2.23% |
| 2024 | 235 | 136 | 372 | 250 | 144 | 394 | 266 | 152 | 417 | 2.62% | 1.11% | 2.06% | 2.46% | 1.47% | 2.09% | 2.38% | 1.85% | 2.18% |
| 2025 | 241 | 138 | 379 | 256 | 146 | 403 | 272 | 154 | 427 | 2.48% | 1.10% | 1.97% | 2.40% | 1.56% | 2.09% | 2.42% | 1.76% | 2.18% |
| 2026 | 247 | 140 | 387 | 263 | 148 | 411 | 278 | 157 | 435 | 2.49% | 1.45% | 2.11% | 2.47% | 1.48% | 2.11% | 2.30% | 1.67% | 2.07% |
| 2027 | 253 | 142 | 395 | 269 | 151 | 420 | 285 | 160 | 445 | 2.46% | 1.25% | 2.02% | 2.44% | 1.63% | 2.15% | 2.37% | 1.65% | 2.11% |
| 2028 | 259 | 143 | 402 | 275 | 153 | 428 | 291 | 162 | 453 | 2.47% | 0.88% | 1.90% | 2.29% | 1.33% | 1.94% | 2.22% | 1.51% | 1.97% |
| 2029 | 266 | 145 | 410 | 282 | 155 | 437 | 298 | 165 | 463 | 2.35% | 1.40% | 2.01% | 2.39% | 1.31% | 2.01% | 2.35% | 1.54% | 2.06% |
| 2030 | 272 | 147 | 419 | 288 | 157 | 445 | 305 | 167 | 472 | 2.45% | 1.15% | 1.99% | 2.25% | 1.29% | 1.91% | 2.24% | 1.42% | 1.95% |
| 2031 | 278 | 148 | 426 | 295 | 159 | 454 | 312 | 169 | 481 | 2.33% | 0.91% | 1.83% | 2.37% | 1.28% | 1.99% | 2.21% | 1.35% | 1.91% |
| 2032 | 285 | 150 | 435 | 302 | 161 | 462 | 319 | 171 | 490 | 2.34% | 1.18% | 1.94% | 2.26% | 1.10% | 1.85% | 2.25% | 1.38% | 1.94% |
| 2033 | 291 | 151 | 442 | 308 | 162 | 471 | 325 | 174 | 499 | 2.28% | 0.84% | 1.78% | 2.21% | 0.99% | 1.78% | 2.15% | 1.31% | 1.85% |
| 2034 | 298 | 152 | 450 | 315 | 164 | 479 | 332 | 176 | 508 | 2.29% | 0.94% | 1.83% | 2.14% | 1.08% | 1.77% | 2.18% | 1.20% | 1.84% |
| 2035 | 305 | 154 | 458 | 322 | 166 | 488 | 339 | 178 | 517 | 2.21% | 0.93% | 1.78% | 2.17% | 1.17% | 1.83% | 2.11% | 1.14% | 1.77% |
| 2036 | 311 | 155 | 466 | 329 | 167 | 496 | 346 | 180 | 526 | 2.24% | 0.76% | 1.75% | 2.18% | 0.90% | 1.74% | 2.06% | 1.13% | 1.74% |
| 2037 | 318 | 156 | 474 | 336 | 169 | 505 | 354 | 182 | 535 | 2.14% | 0.91% | 1.73% | 2.10% | 0.90% | 1.70% | 2.04% | 1.07% | 1.71% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 46.96% |
| Medium: | 45.60% |
| Low: | 44.46% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

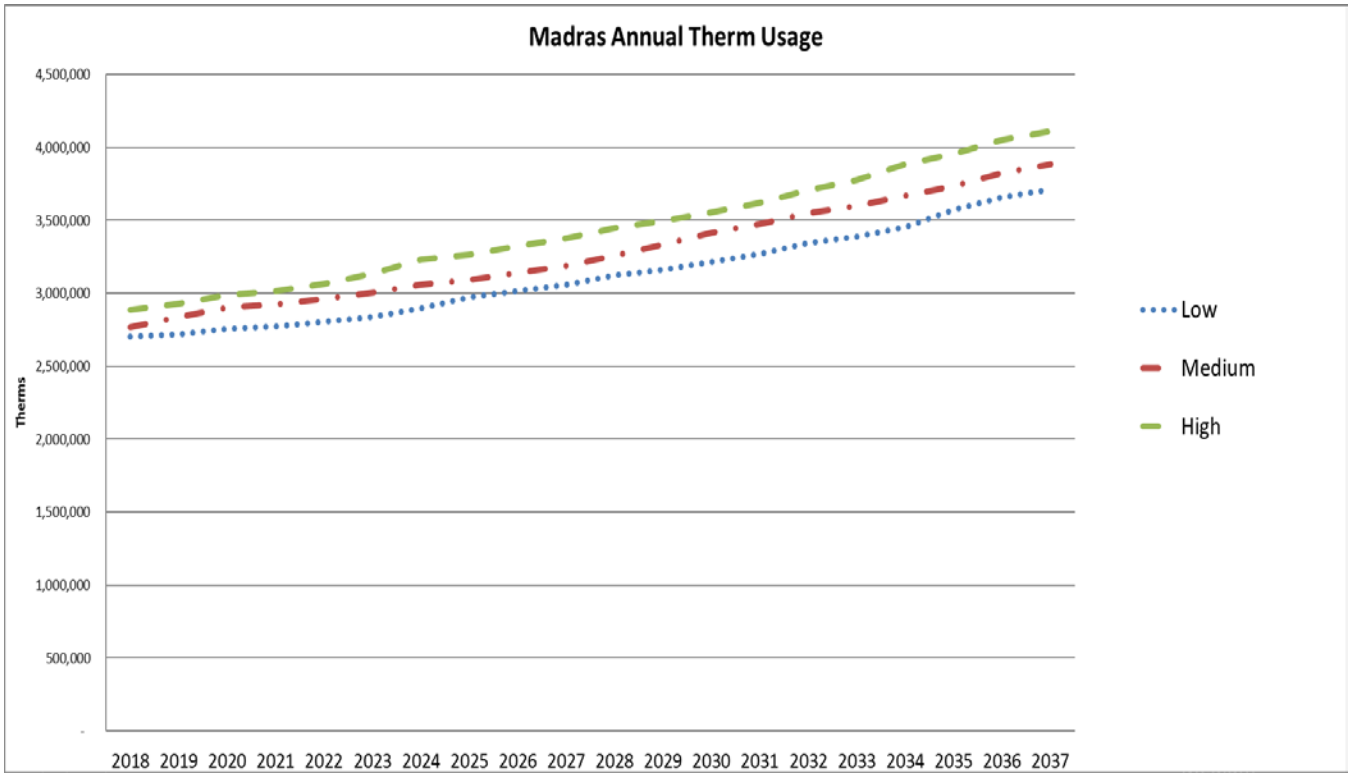
## Madras

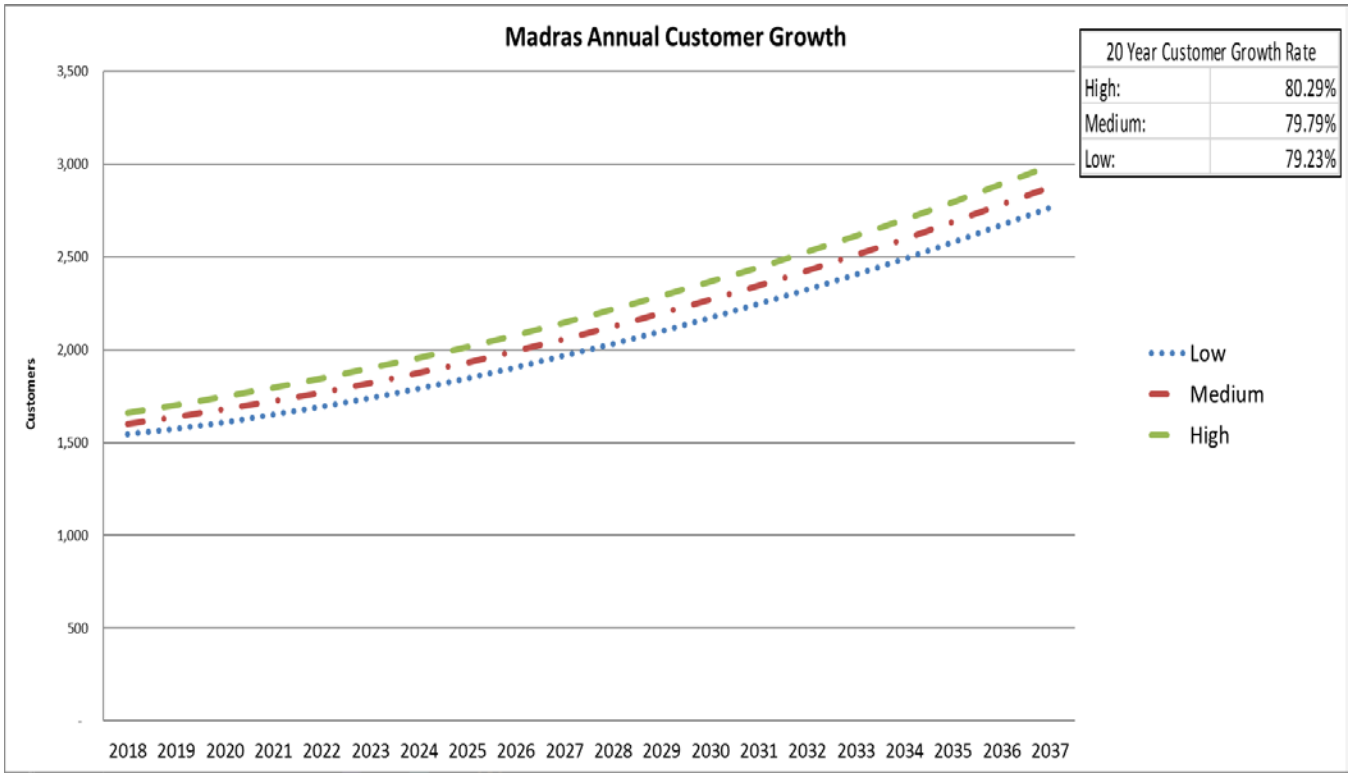
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 1,916,905 | 784,258 | 2,701,162 | 1,961,235 | 805,947 | 2,767,181 | 2,046,578 | 842,212 | 2,888,791 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,931,736 | 789,059 | 2,720,795 | 2,008,540 | 829,072 | 2,837,611 | 2,077,098 | 854,508 | 2,931,606 | 0.77% | 0.61% | 0.73% | 2.41% | 2.87% | 2.55% | 1.49% | 1.46% | 1.48% |
| 2020 | 1,962,029 | 796,658 | 2,758,687 | 2,062,293 | 839,083 | 2,901,376 | 2,120,297 | 868,010 | 2,988,307 | 1.57% | 0.96% | 1.39% | 2.68% | 1.21% | 2.25% | 2.08% | 1.58% | 1.93% |
| 2021 | 1,969,362 | 804,642 | 2,774,003 | 2,075,039 | 849,480 | 2,924,518 | 2,136,659 | 881,769 | 3,018,428 | 0.37% | 1.00% | 0.56% | 0.62% | 1.24% | 0.80% | 0.77% | 1.59% | 1.01% |
| 2022 | 1,991,381 | 813,139 | 2,804,520 | 2,100,003 | 861,339 | 2,961,343 | 2,167,691 | 896,041 | 3,063,732 | 1.12% | 1.06% | 1.10% | 1.20% | 1.40% | 1.26% | 1.45% | 1.62% | 1.50% |
| 2023 | 2,015,291 | 823,100 | 2,838,391 | 2,129,159 | 873,713 | 3,002,872 | 2,209,674 | 923,119 | 3,132,793 | 1.20% | 1.22% | 1.21% | 1.39% | 1.44% | 1.40% | 1.94% | 3.02% | 2.25% |
| 2024 | 2,064,528 | 834,652 | 2,899,180 | 2,174,242 | 886,343 | 3,060,585 | 2,292,350 | 938,162 | 3,230,512 | 2.44% | 1.40% | 2.14% | 2.12% | 1.45% | 1.92% | 3.74% | 1.63% | 3.12% |
| 2025 | 2,114,144 | 859,139 | 2,973,283 | 2,192,772 | 899,486 | 3,092,259 | 2,313,490 | 953,461 | 3,266,951 | 2.40% | 2.93% | 2.56% | 0.85% | 1.48% | 1.03% | 0.92% | 1.63% | 1.13% |
| 2026 | 2,145,305 | 871,461 | 3,016,767 | 2,227,406 | 914,093 | 3,141,499 | 2,350,968 | 970,352 | 3,321,320 | 1.47% | 1.43% | 1.46% | 1.58% | 1.62% | 1.59% | 1.62% | 1.77% | 1.66% |
| 2027 | 2,177,729 | 884,169 | 3,061,898 | 2,262,469 | 929,085 | 3,191,554 | 2,390,911 | 986,550 | 3,377,461 | 1.51% | 1.46% | 1.50% | 1.57% | 1.64% | 1.59% | 1.70% | 1.67% | 1.69% |
| 2028 | 2,224,781 | 898,211 | 3,122,992 | 2,313,765 | 944,334 | 3,258,099 | 2,444,796 | 1,004,083 | 3,448,879 | 2.16% | 1.59% | 2.00% | 2.27% | 1.64% | 2.09% | 2.25% | 1.78% | 2.11% |
| 2029 | 2,247,931 | 912,767 | 3,160,698 | 2,359,081 | 973,723 | 3,332,804 | 2,473,824 | 1,021,051 | 3,494,875 | 1.04% | 1.62% | 1.21% | 1.96% | 3.11% | 2.29% | 1.19% | 1.69% | 1.33% |
| 2030 | 2,285,986 | 927,708 | 3,213,694 | 2,422,585 | 990,819 | 3,413,404 | 2,517,914 | 1,039,355 | 3,557,268 | 1.69% | 1.64% | 1.68% | 2.69% | 1.76% | 2.42% | 1.78% | 1.79% | 1.79% |
| 2031 | 2,326,060 | 943,984 | 3,270,044 | 2,465,105 | 1,008,430 | 3,473,534 | 2,562,185 | 1,059,121 | 3,621,306 | 1.75% | 1.75% | 1.75% | 1.76% | 1.78% | 1.76% | 1.76% | 1.90% | 1.80% |
| 2032 | 2,382,280 | 960,773 | 3,343,054 | 2,526,000 | 1,026,297 | 3,552,297 | 2,626,632 | 1,078,323 | 3,704,955 | 2.42% | 1.78% | 2.23% | 2.47% | 1.77% | 2.27% | 2.52% | 1.81% | 2.31% |
| 2033 | 2,409,774 | 977,948 | 3,387,722 | 2,555,088 | 1,044,678 | 3,599,766 | 2,678,600 | 1,098,859 | 3,777,459 | 1.15% | 1.79% | 1.34% | 1.15% | 1.79% | 1.34% | 1.98% | 1.90% | 1.96% |
| 2034 | 2,456,035 | 995,507 | 3,451,542 | 2,602,679 | 1,064,522 | 3,667,200 | 2,750,265 | 1,132,330 | 3,882,595 | 1.92% | 1.80% | 1.88% | 1.86% | 1.90% | 1.87% | 2.68% | 3.05% | 2.78% |
| 2035 | 2,544,391 | 1,028,157 | 3,572,548 | 2,651,848 | 1,084,622 | 3,736,470 | 2,802,843 | 1,153,765 | 3,956,608 | 3.60% | 3.28% | 3.51% | 1.89% | 1.89% | 1.89% | 1.91% | 1.89% | 1.91% |
| 2036 | 2,609,903 | 1,047,565 | 3,657,468 | 2,720,765 | 1,105,236 | 3,826,001 | 2,874,500 | 1,176,535 | 4,051,035 | 2.57% | 1.89% | 2.38% | 2.60% | 1.90% | 2.40% | 2.56% | 1.97% | 2.39% |
| 2037 | 2,643,633 | 1,067,358 | 3,710,990 | 2,755,971 | 1,126,236 | 3,882,207 | 2,910,635 | 1,198,741 | 4,109,376 | 1.29% | 1.89% | 1.46% | 1.29% | 1.90% | 1.47% | 1.26% | 1.89% | 1.44% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 2,149 | 28,325 | 30,473 | 2,208 | 28,732 | 30,940 | 2,307 | 29,104 | 31,411 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,162 | 29,285 | 31,447 | 2,271 | 29,657 | 31,929 | 2,341 | 30,074 | 32,415 | 0.61% | 3.39% | 3.20% | 2.87% | 3.22% | 3.20% | 1.46% | 3.33% | 3.20% |
| 2020 | 2,183 | 29,677 | 31,860 | 2,299 | 30,049 | 32,348 | 2,378 | 30,463 | 32,841 | 0.96% | 1.34% | 1.31% | 1.21% | 1.32% | 1.31% | 1.58% | 1.29% | 1.31% |
| 2021 | 2,204 | 30,055 | 32,260 | 2,327 | 30,427 | 32,754 | 2,416 | 30,837 | 33,253 | 1.00% | 1.27% | 1.26% | 1.24% | 1.26% | 1.26% | 1.59% | 1.23% | 1.26% |
| 2022 | 2,228 | 30,476 | 32,703 | 2,360 | 30,845 | 33,205 | 2,455 | 31,255 | 33,710 | 1.06% | 1.40% | 1.37% | 1.40% | 1.37% | 1.37% | 1.62% | 1.36% | 1.37% |
| 2023 | 2,255 | 30,916 | 33,171 | 2,394 | 31,286 | 33,679 | 2,529 | 31,663 | 34,192 | 1.22% | 1.45% | 1.43% | 1.44% | 1.43% | 1.43% | 3.02% | 1.31% | 1.43% |
| 2024 | 2,287 | 31,376 | 33,663 | 2,428 | 31,751 | 34,179 | 2,570 | 32,129 | 34,699 | 1.40% | 1.49% | 1.48% | 1.45% | 1.49% | 1.48% | 1.63% | 1.47% | 1.48% |
| 2025 | 2,354 | 31,813 | 34,167 | 2,464 | 32,226 | 34,691 | 2,612 | 32,607 | 35,219 | 2.93% | 1.39% | 1.50% | 1.48% | 1.50% | 1.50% | 1.63% | 1.49% | 1.50% |
| 2026 | 2,388 | 32,339 | 34,727 | 2,504 | 32,755 | 35,259 | 2,658 | 33,138 | 35,796 | 1.43% | 1.65% | 1.64% | 1.62% | 1.64% | 1.64% | 1.77% | 1.63% | 1.64% |
| 2027 | 2,422 | 32,877 | 35,299 | 2,545 | 33,295 | 35,840 | 2,703 | 33,683 | 36,386 | 1.46% | 1.66% | 1.65% | 1.64% | 1.65% | 1.65% | 1.67% | 1.65% | 1.65% |
| 2028 | 2,461 | 33,434 | 35,895 | 2,587 | 33,858 | 36,445 | 2,751 | 34,249 | 37,000 | 1.59% | 1.70% | 1.69% | 1.64% | 1.69% | 1.69% | 1.78% | 1.68% | 1.69% |
| 2029 | 2,501 | 34,644 | 37,145 | 2,668 | 35,047 | 37,714 | 2,797 | 35,491 | 38,289 | 1.62% | 3.62% | 3.48% | 3.11% | 3.51% | 3.48% | 1.69% | 3.63% | 3.48% |
| 2030 | 2,542 | 35,236 | 37,778 | 2,715 | 35,642 | 38,357 | 2,848 | 36,093 | 38,941 | 1.64% | 1.71% | 1.70% | 1.76% | 1.70% | 1.70% | 1.79% | 1.70% | 1.70% |
| 2031 | 2,586 | 35,874 | 38,460 | 2,763 | 36,287 | 39,050 | 2,902 | 36,742 | 39,644 | 1.75% | 1.81% | 1.81% | 1.78% | 1.81% | 1.81% | 1.90% | 1.80% | 1.81% |
| 2032 | 2,632 | 36,522 | 39,155 | 2,812 | 36,943 | 39,755 | 2,954 | 37,406 | 40,360 | 1.78% | 1.81% | 1.81% | 1.77% | 1.81% | 1.81% | 1.81% | 1.80% | 1.81% |
| 2033 | 2,679 | 37,225 | 39,905 | 2,862 | 37,654 | 40,516 | 3,011 | 38,123 | 41,133 | 1.79% | 1.93% | 1.92% | 1.79% | 1.93% | 1.92% | 1.90% | 1.92% | 1.92% |
| 2034 | 2,727 | 37,946 | 40,673 | 2,916 | 38,380 | 41,296 | 3,102 | 38,823 | 41,925 | 1.80% | 1.93% | 1.93% | 1.90% | 1.93% | 1.93% | 3.05% | 1.84% | 1.93% |
| 2035 | 2,817 | 38,611 | 41,428 | 2,972 | 39,091 | 42,063 | 3,161 | 39,542 | 42,703 | 3.28% | 1.75% | 1.86% | 1.89% | 1.85% | 1.86% | 1.89% | 1.85% | 1.86% |
| 2036 | 2,870 | 39,394 | 42,264 | 3,028 | 39,884 | 42,912 | 3,223 | 40,342 | 43,565 | 1.89% | 2.03% | 2.02% | 1.90% | 2.03% | 2.02% | 1.97% | 2.02% | 2.02% |
| 2037 | 2,924 | 40,157 | 43,081 | 3,086 | 40,656 | 43,741 | 3,284 | 41,123 | 44,407 | 1.89% | 1.94% | 1.93% | 1.90% | 1.94% | 1.93% | 1.89% | 1.94% | 1.93% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 623,543 | 2,077,620 | 2,701,162 | 645,673 | 2,121,508 | 2,767,181 | 667,638 | 2,221,153 | 2,888,791 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 638,305 | 2,082,490 | 2,720,795 | 662,861 | 2,174,750 | 2,837,611 | 687,395 | 2,244,211 | 2,931,606 | 2.37% | 0.23% | 0.73% | 2.66% | 2.51% | 2.55% | 2.96% | 1.04% | 1.48% |
| 2020 | 659,092 | 2,099,594 | 2,758,687 | 684,929 | 2,216,447 | 2,901,376 | 710,973 | 2,277,334 | 2,988,307 | 3.26% | 0.82% | 1.39% | 3.33% | 1.92% | 2.25% | 3.43% | 1.48% | 1.93% |
| 2021 | 675,526 | 2,098,478 | 2,774,003 | 702,270 | 2,222,248 | 2,924,518 | 728,776 | 2,289,652 | 3,018,428 | 2.49% | -0.05% | 0.56% | 2.53% | 0.26% | 0.80% | 2.50% | 0.54% | 1.01% |
| 2022 | 696,907 | 2,107,613 | 2,804,520 | 724,140 | 2,237,202 | 2,961,343 | 751,468 | 2,312,265 | 3,063,732 | 3.17% | 0.44% | 1.10% | 3.11% | 0.67% | 1.26% | 3.11% | 0.99% | 1.50% |
| 2023 | 720,083 | 2,118,308 | 2,838,391 | 748,052 | 2,254,820 | 3,002,872 | 775,902 | 2,356,891 | 3,132,793 | 3.33% | 0.51% | 1.21% | 3.30% | 0.79% | 1.40% | 3.25% | 1.93% | 2.25% |
| 2024 | 748,892 | 2,150,288 | 2,899,180 | 777,494 | 2,283,090 | 3,060,585 | 806,125 | 2,424,387 | 3,230,512 | 4.00% | 1.51% | 2.14% | 3.94% | 1.25% | 1.92% | 3.90% | 2.86% | 3.12% |
| 2025 | 772,139 | 2,201,144 | 2,973,283 | 801,156 | 2,291,103 | 3,092,259 | 829,934 | 2,437,017 | 3,266,951 | 3.10% | 2.37% | 2.56% | 3.04% | 0.35% | 1.03% | 2.95% | 0.52% | 1.13% |
| 2026 | 800,703 | 2,216,063 | 3,016,767 | 830,125 | 2,311,374 | 3,141,499 | 859,550 | 2,461,770 | 3,321,320 | 3.70% | 0.68% | 1.46% | 3.62% | 0.88% | 1.59% | 3.57% | 1.02% | 1.66% |
| 2027 | 830,838 | 2,231,060 | 3,061,898 | 860,782 | 2,330,772 | 3,191,554 | 890,602 | 2,486,859 | 3,377,461 | 3.76% | 0.68% | 1.50% | 3.69% | 0.84% | 1.59% | 3.61% | 1.02% | 1.69% |
| 2028 | 866,455 | 2,256,537 | 3,122,992 | 897,010 | 2,361,089 | 3,258,099 | 927,460 | 2,521,419 | 3,448,879 | 4.29% | 1.14% | 2.00% | 4.21% | 1.30% | 2.09% | 4.14% | 1.39% | 2.11% |
| 2029 | 896,032 | 2,264,666 | 3,160,698 | 926,883 | 2,405,921 | 3,332,804 | 957,538 | 2,537,337 | 3,494,875 | 3.41% | 0.36% | 1.21% | 3.33% | 1.90% | 2.29% | 3.24% | 0.63% | 1.33% |
| 2030 | 931,043 | 2,282,652 | 3,213,694 | 962,251 | 2,451,153 | 3,413,404 | 993,494 | 2,563,774 | 3,557,268 | 3.91% | 0.79% | 1.68% | 3.82% | 1.88% | 2.42% | 3.76% | 1.04% | 1.79% |
| 2031 | 967,484 | 2,302,560 | 3,270,044 | 999,291 | 2,474,244 | 3,473,534 | 1,031,001 | 2,590,305 | 3,621,306 | 3.91% | 0.87% | 1.75% | 3.85% | 0.94% | 1.76% | 3.78% | 1.03% | 1.80% |
| 2032 | 1,010,632 | 2,332,421 | 3,343,054 | 1,042,890 | 2,509,408 | 3,552,297 | 1,075,336 | 2,629,619 | 3,704,955 | 4.46% | 1.30% | 2.23% | 4.36% | 1.42% | 2.27% | 4.30% | 1.52% | 2.31% |
| 2033 | 1,045,618 | 2,342,104 | 3,387,722 | 1,078,110 | 2,521,656 | 3,599,766 | 1,110,704 | 2,666,755 | 3,777,459 | 3.46% | 0.42% | 1.34% | 3.38% | 0.49% | 1.34% | 3.29% | 1.41% | 1.96% |
| 2034 | 1,086,976 | 2,364,566 | 3,451,542 | 1,119,942 | 2,547,259 | 3,667,200 | 1,152,889 | 2,729,706 | 3,882,595 | 3.96% | 0.96% | 1.88% | 3.88% | 1.02% | 1.87% | 3.80% | 2.36% | 2.78% |
| 2035 | 1,130,207 | 2,442,341 | 3,572,548 | 1,163,592 | 2,572,878 | 3,736,470 | 1,196,972 | 2,759,637 | 3,956,608 | 3.98% | 3.29% | 3.51% | 3.90% | 1.01% | 1.89% | 3.82% | 1.10% | 1.91% |
| 2036 | 1,180,518 | 2,476,950 | 3,657,468 | 1,214,523 | 2,611,479 | 3,826,001 | 1,248,479 | 2,802,555 | 4,051,035 | 4.45% | 1.42% | 2.38% | 4.38% | 1.50% | 2.40% | 4.30% | 1.56% | 2.39% |
| 2037 | 1,221,196 | 2,489,795 | 3,710,990 | 1,255,566 | 2,626,640 | 3,882,207 | 1,289,672 | 2,819,704 | 4,109,376 | 3.45% | 0.52% | 1.46% | 3.38% | 0.58% | 1.47% | 3.30% | 0.61% | 1.44% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,159 | 385 | 1,544 | 1,201 | 400 | 1,601 | 1,242 | 416 | 1,658 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,187 | 387 | 1,573 | 1,233 | 406 | 1,638 | 1,279 | 424 | 1,703 | 2.41% | 0.43% | 1.92% | 2.67% | 1.40% | 2.35% | 2.97% | 1.88% | 2.69% |
| 2020 | 1,220 | 389 | 1,609 | 1,268 | 411 | 1,679 | 1,316 | 432 | 1,748 | 2.78% | 0.69% | 2.27% | 2.86% | 1.31% | 2.48% | 2.94% | 1.83% | 2.66% |
| 2021 | 1,257 | 392 | 1,649 | 1,306 | 416 | 1,723 | 1,356 | 440 | 1,796 | 3.01% | 0.73% | 2.46% | 3.04% | 1.32% | 2.62% | 3.02% | 1.80% | 2.72% |
| 2022 | 1,297 | 395 | 1,692 | 1,348 | 422 | 1,769 | 1,399 | 447 | 1,846 | 3.20% | 0.83% | 2.64% | 3.16% | 1.26% | 2.70% | 3.15% | 1.76% | 2.81% |
| 2023 | 1,340 | 399 | 1,739 | 1,393 | 428 | 1,820 | 1,445 | 455 | 1,900 | 3.35% | 0.95% | 2.79% | 3.33% | 1.42% | 2.87% | 3.27% | 1.81% | 2.92% |
| 2024 | 1,387 | 404 | 1,791 | 1,440 | 434 | 1,874 | 1,494 | 464 | 1,957 | 3.51% | 1.13% | 2.97% | 3.44% | 1.40% | 2.96% | 3.39% | 1.85% | 3.02% |
| 2025 | 1,437 | 409 | 1,847 | 1,492 | 440 | 1,932 | 1,546 | 472 | 2,017 | 3.62% | 1.38% | 3.11% | 3.56% | 1.44% | 3.07% | 3.48% | 1.73% | 3.06% |
| 2026 | 1,491 | 414 | 1,905 | 1,546 | 447 | 1,993 | 1,601 | 480 | 2,081 | 3.72% | 1.22% | 3.17% | 3.64% | 1.55% | 3.16% | 3.58% | 1.78% | 3.16% |
| 2027 | 1,547 | 419 | 1,967 | 1,603 | 454 | 2,057 | 1,659 | 489 | 2,148 | 3.78% | 1.25% | 3.23% | 3.71% | 1.51% | 3.22% | 3.63% | 1.77% | 3.20% |
| 2028 | 1,607 | 425 | 2,032 | 1,664 | 461 | 2,124 | 1,720 | 497 | 2,217 | 3.84% | 1.33% | 3.31% | 3.76% | 1.54% | 3.27% | 3.69% | 1.71% | 3.24% |
| 2029 | 1,669 | 431 | 2,100 | 1,727 | 469 | 2,196 | 1,784 | 506 | 2,290 | 3.89% | 1.39% | 3.37% | 3.81% | 1.77% | 3.37% | 3.72% | 1.79% | 3.29% |
| 2030 | 1,735 | 437 | 2,172 | 1,793 | 477 | 2,270 | 1,851 | 515 | 2,366 | 3.93% | 1.43% | 3.42% | 3.82% | 1.69% | 3.37% | 3.77% | 1.78% | 3.33% |
| 2031 | 1,803 | 444 | 2,247 | 1,862 | 484 | 2,347 | 1,922 | 524 | 2,446 | 3.92% | 1.53% | 3.44% | 3.87% | 1.64% | 3.40% | 3.79% | 1.76% | 3.35% |
| 2032 | 1,875 | 451 | 2,325 | 1,935 | 493 | 2,427 | 1,995 | 533 | 2,528 | 3.98% | 1.52% | 3.49% | 3.88% | 1.69% | 3.43% | 3.81% | 1.78% | 3.38% |
| 2033 | 1,949 | 458 | 2,407 | 2,010 | 501 | 2,511 | 2,071 | 543 | 2,614 | 3.99% | 1.55% | 3.52% | 3.91% | 1.64% | 3.45% | 3.82% | 1.89% | 3.41% |
| 2034 | 2,027 | 465 | 2,492 | 2,088 | 509 | 2,598 | 2,150 | 554 | 2,704 | 3.97% | 1.64% | 3.52% | 3.89% | 1.75% | 3.47% | 3.81% | 1.89% | 3.41% |
| 2035 | 2,107 | 474 | 2,581 | 2,170 | 518 | 2,688 | 2,232 | 564 | 2,796 | 3.98% | 1.85% | 3.58% | 3.89% | 1.70% | 3.46% | 3.82% | 1.81% | 3.41% |
| 2036 | 2,191 | 482 | 2,672 | 2,254 | 527 | 2,781 | 2,317 | 574 | 2,891 | 3.96% | 1.69% | 3.55% | 3.89% | 1.75% | 3.48% | 3.81% | 1.85% | 3.42% |
| 2037 | 2,277 | 490 | 2,767 | 2,342 | 536 | 2,878 | 2,405 | 584 | 2,989 | 3.96% | 1.68% | 3.55% | 3.89% | 1.74% | 3.48% | 3.81% | 1.76% | 3.40% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 80.29% |
| Medium: | 79.79% |
| Low: | 79.23% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

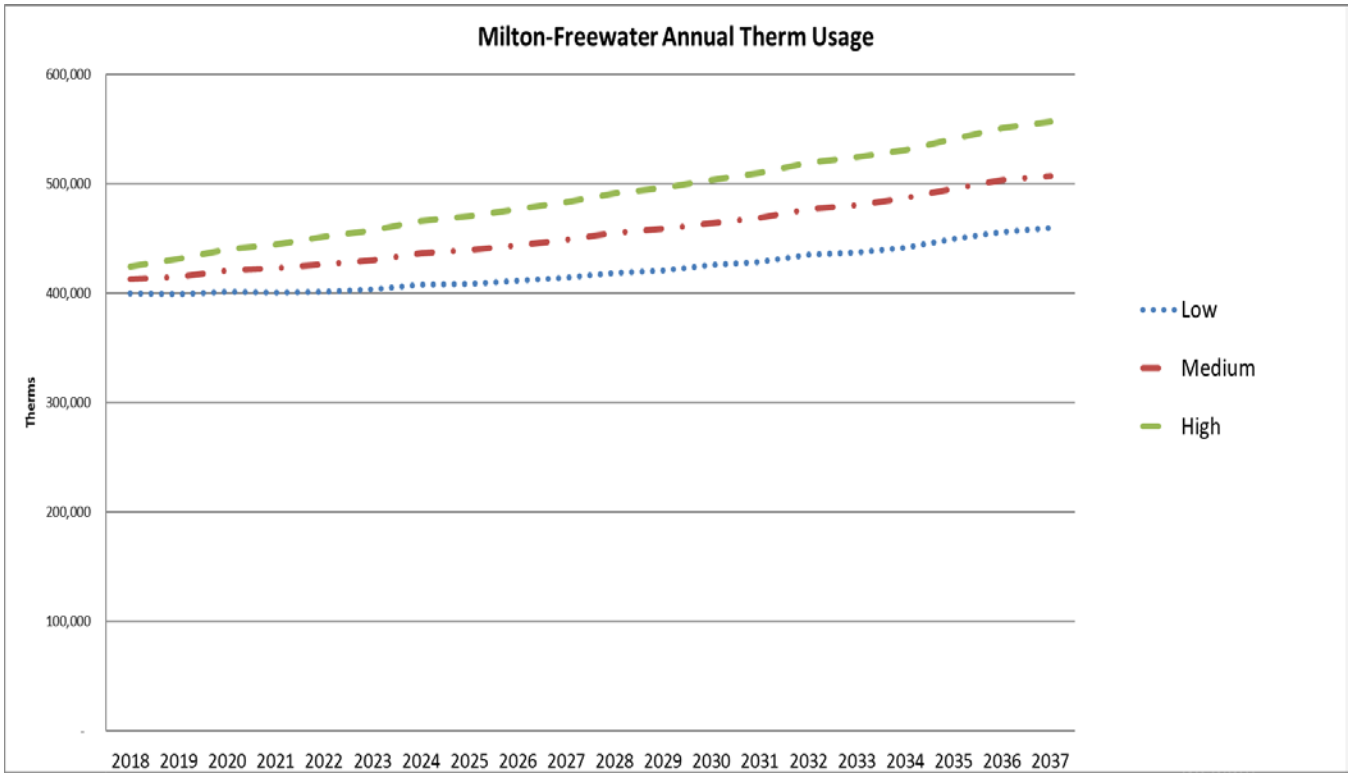
## Milton-Freewater

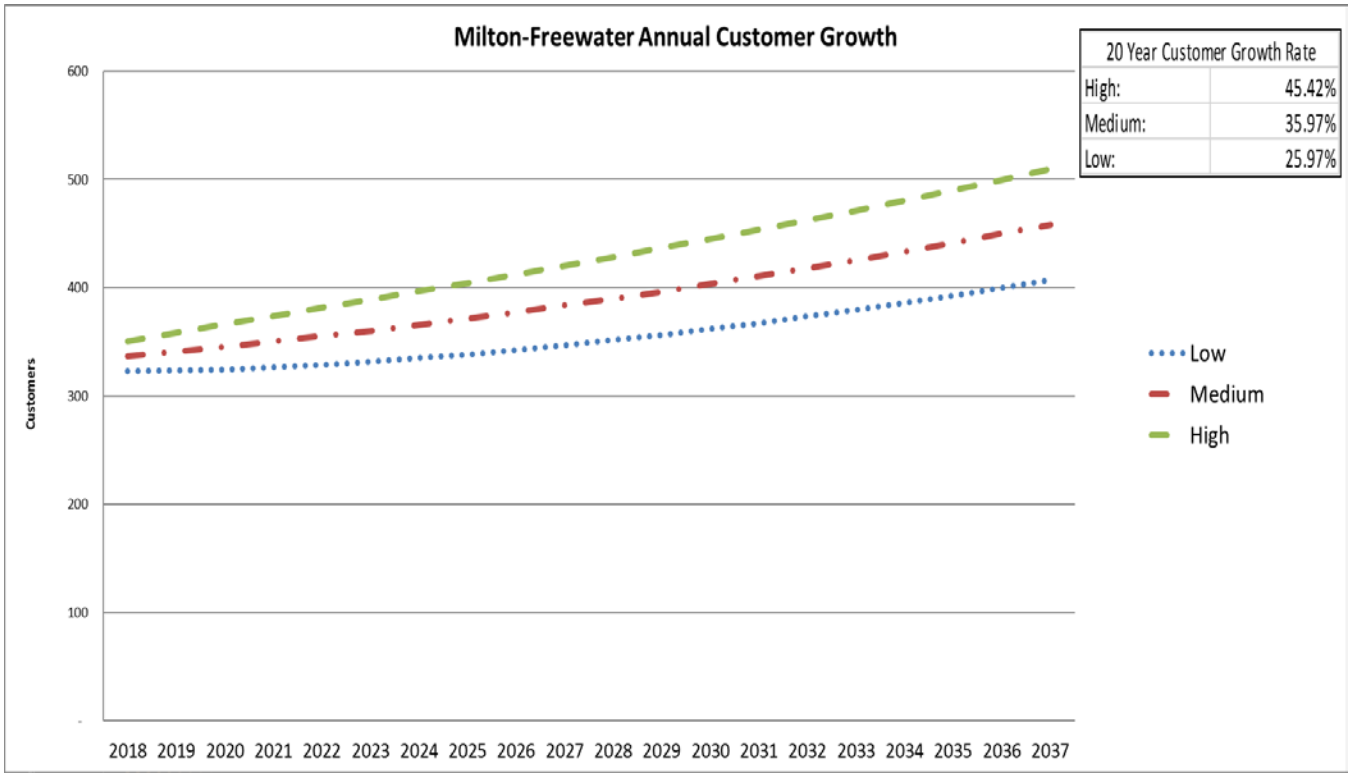
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 260,328 | 139,826 | 400,154 | 269,795 | 142,890 | 412,685 | 276,949 | 147,180 | 424,129 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 260,873 | 138,667 | 399,540 | 271,110 | 144,320 | 415,430 | 281,642 | 149,904 | 431,547 | 0.21% | -0.83% | -0.15% | 0.49% | 1.00% | 0.67% | 1.69% | 1.85% | 1.75% |
| 2020 | 262,900 | 138,803 | 401,703 | 275,162 | 145,750 | 420,912 | 288,643 | 151,538 | 440,181 | 0.78% | 0.10% | 0.54% | 1.49% | 0.99% | 1.32% | 2.49% | 1.09% | 2.00% |
| 2021 | 261,969 | 138,871 | 400,840 | 277,111 | 146,021 | 423,132 | 291,499 | 153,104 | 444,603 | -0.35% | 0.05% | -0.21% | 0.71% | 0.19% | 0.53% | 0.99% | 1.03% | 1.00% |
| 2022 | 262,576 | 139,075 | 401,651 | 279,243 | 147,452 | 426,695 | 295,821 | 155,828 | 451,649 | 0.23% | 0.15% | 0.20% | 0.77% | 0.98% | 0.84% | 1.48% | 1.78% | 1.58% |
| 2023 | 263,151 | 140,369 | 403,520 | 281,451 | 148,882 | 430,333 | 300,041 | 157,394 | 457,435 | 0.22% | 0.93% | 0.47% | 0.79% | 0.97% | 0.85% | 1.43% | 1.00% | 1.28% |
| 2024 | 267,684 | 140,573 | 408,257 | 286,551 | 150,380 | 436,930 | 306,810 | 159,028 | 465,838 | 1.72% | 0.15% | 1.17% | 1.81% | 1.01% | 1.53% | 2.26% | 1.04% | 1.84% |
| 2025 | 267,517 | 140,844 | 408,362 | 287,670 | 151,877 | 439,547 | 308,432 | 161,752 | 470,184 | -0.06% | 0.19% | 0.03% | 0.39% | 1.00% | 0.60% | 0.53% | 1.71% | 0.93% |
| 2026 | 269,222 | 142,206 | 411,428 | 291,920 | 152,217 | 444,137 | 313,719 | 163,386 | 477,105 | 0.64% | 0.97% | 0.75% | 1.48% | 0.22% | 1.04% | 1.71% | 1.01% | 1.47% |
| 2027 | 272,002 | 142,478 | 414,480 | 295,091 | 153,715 | 448,806 | 318,227 | 164,952 | 483,179 | 1.03% | 0.19% | 0.74% | 1.09% | 0.98% | 1.05% | 1.44% | 0.96% | 1.27% |
| 2028 | 275,096 | 143,976 | 419,072 | 300,105 | 155,281 | 455,386 | 324,717 | 166,586 | 491,302 | 1.14% | 1.05% | 1.11% | 1.70% | 1.02% | 1.47% | 2.04% | 0.99% | 1.68% |
| 2029 | 275,743 | 145,406 | 421,149 | 302,075 | 156,847 | 458,922 | 327,086 | 169,378 | 496,463 | 0.24% | 0.99% | 0.50% | 0.66% | 1.01% | 0.78% | 0.73% | 1.68% | 1.05% |
| 2030 | 279,834 | 145,745 | 425,579 | 305,588 | 158,412 | 464,001 | 332,356 | 171,079 | 503,435 | 1.48% | 0.23% | 1.05% | 1.16% | 1.00% | 1.11% | 1.61% | 1.00% | 1.40% |
| 2031 | 281,561 | 147,243 | 428,804 | 309,437 | 159,978 | 469,416 | 337,597 | 172,713 | 510,310 | 0.62% | 1.03% | 0.76% | 1.26% | 0.99% | 1.17% | 1.58% | 0.95% | 1.37% |
| 2032 | 286,294 | 148,741 | 435,036 | 315,516 | 161,544 | 477,060 | 343,794 | 175,505 | 519,300 | 1.68% | 1.02% | 1.45% | 1.96% | 0.98% | 1.63% | 1.84% | 1.62% | 1.76% |
| 2033 | 288,633 | 149,081 | 437,714 | 317,705 | 163,178 | 480,883 | 347,139 | 177,207 | 524,346 | 0.82% | 0.23% | 0.62% | 0.69% | 1.01% | 0.80% | 0.97% | 0.97% | 0.97% |
| 2034 | 291,400 | 150,647 | 442,046 | 322,078 | 164,744 | 486,822 | 351,185 | 180,067 | 531,253 | 0.96% | 1.05% | 0.99% | 1.38% | 0.96% | 1.24% | 1.17% | 1.61% | 1.32% |
| 2035 | 294,843 | 154,525 | 449,368 | 326,655 | 168,689 | 495,345 | 357,114 | 184,081 | 541,194 | 1.18% | 2.57% | 1.66% | 1.42% | 2.40% | 1.75% | 1.69% | 2.23% | 1.87% |
| 2036 | 300,277 | 156,090 | 456,367 | 331,906 | 171,482 | 503,387 | 365,199 | 185,782 | 550,981 | 1.84% | 1.01% | 1.56% | 1.61% | 1.66% | 1.62% | 2.26% | 0.92% | 1.81% |
| 2037 | 301,845 | 157,656 | 459,501 | 334,097 | 173,183 | 507,281 | 367,991 | 188,643 | 556,634 | 0.52% | 1.00% | 0.69% | 0.66% | 0.99% | 0.77% | 0.76% | 1.54% | 1.03% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 383 | 4,739 | 5,122 | 391 | 4,809 | 5,201 | 403 | 4,877 | 5,280 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 380 | 4,801 | 5,181 | 395 | 4,865 | 5,260 | 411 | 4,929 | 5,340 | -0.83% | 1.30% | 1.14% | 1.00% | 1.15% | 1.14% | 1.85% | 1.08% | 1.14% |
| 2020 | 380 | 4,818 | 5,199 | 399 | 4,879 | 5,278 | 415 | 4,943 | 5,359 | 0.10% | 0.37% | 0.35% | 0.99% | 0.30% | 0.35% | 1.09% | 0.29% | 0.35% |
| 2021 | 380 | 4,876 | 5,257 | 400 | 4,937 | 5,337 | 419 | 4,999 | 5,419 | 0.05% | 1.20% | 1.12% | 0.19% | 1.20% | 1.12% | 1.03% | 1.13% | 1.12% |
| 2022 | 381 | 4,940 | 5,321 | 404 | 4,999 | 5,403 | 427 | 5,058 | 5,485 | 0.15% | 1.31% | 1.22% | 0.98% | 1.24% | 1.22% | 1.78% | 1.17% | 1.22% |
| 2023 | 385 | 4,995 | 5,379 | 408 | 5,054 | 5,462 | 431 | 5,114 | 5,545 | 0.93% | 1.11% | 1.09% | 0.97% | 1.10% | 1.09% | 1.00% | 1.10% | 1.09% |
| 2024 | 385 | 5,058 | 5,443 | 412 | 5,115 | 5,527 | 436 | 5,175 | 5,611 | 0.15% | 1.27% | 1.19% | 1.01% | 1.21% | 1.19% | 1.04% | 1.21% | 1.19% |
| 2025 | 386 | 5,088 | 5,473 | 416 | 5,141 | 5,557 | 443 | 5,199 | 5,642 | 0.19% | 0.58% | 0.55% | 1.00% | 0.52% | 0.55% | 1.71% | 0.45% | 0.55% |
| 2026 | 390 | 5,148 | 5,538 | 417 | 5,206 | 5,623 | 448 | 5,261 | 5,708 | 0.97% | 1.19% | 1.17% | 0.22% | 1.25% | 1.17% | 1.01% | 1.19% | 1.17% |
| 2027 | 390 | 5,212 | 5,602 | 421 | 5,267 | 5,688 | 452 | 5,322 | 5,774 | 0.19% | 1.23% | 1.16% | 0.98% | 1.17% | 1.16% | 0.96% | 1.18% | 1.16% |
| 2028 | 394 | 5,278 | 5,672 | 425 | 5,334 | 5,759 | 456 | 5,390 | 5,847 | 1.05% | 1.27% | 1.25% | 1.02% | 1.27% | 1.25% | 0.99% | 1.28% | 1.25% |
| 2029 | 398 | 5,344 | 5,742 | 430 | 5,401 | 5,830 | 464 | 5,455 | 5,919 | 0.99% | 1.26% | 1.24% | 1.01% | 1.26% | 1.24% | 1.68% | 1.20% | 1.24% |
| 2030 | 399 | 5,407 | 5,807 | 434 | 5,462 | 5,896 | 469 | 5,517 | 5,985 | 0.23% | 1.18% | 1.12% | 1.00% | 1.13% | 1.12% | 1.00% | 1.13% | 1.12% |
| 2031 | 403 | 5,479 | 5,883 | 438 | 5,535 | 5,973 | 473 | 5,591 | 6,064 | 1.03% | 1.33% | 1.31% | 0.99% | 1.34% | 1.31% | 0.95% | 1.34% | 1.31% |
| 2032 | 408 | 5,545 | 5,953 | 443 | 5,602 | 6,044 | 481 | 5,655 | 6,136 | 1.02% | 1.21% | 1.19% | 0.98% | 1.21% | 1.19% | 1.62% | 1.16% | 1.19% |
| 2033 | 408 | 5,615 | 6,023 | 447 | 5,668 | 6,116 | 485 | 5,723 | 6,209 | 0.23% | 1.25% | 1.18% | 1.01% | 1.19% | 1.18% | 0.97% | 1.20% | 1.18% |
| 2034 | 413 | 5,687 | 6,099 | 451 | 5,742 | 6,193 | 493 | 5,794 | 6,287 | 1.05% | 1.28% | 1.27% | 0.96% | 1.29% | 1.27% | 1.61% | 1.24% | 1.27% |
| 2035 | 423 | 5,807 | 6,230 | 462 | 5,863 | 6,326 | 504 | 5,918 | 6,422 | 2.57% | 2.11% | 2.14% | 2.40% | 2.12% | 2.14% | 2.23% | 2.13% | 2.14% |
| 2036 | 428 | 5,879 | 6,306 | 470 | 5,933 | 6,403 | 509 | 5,992 | 6,500 | 1.01% | 1.24% | 1.22% | 1.66% | 1.19% | 1.22% | 0.92% | 1.25% | 1.22% |
| 2037 | 432 | 5,951 | 6,383 | 474 | 6,006 | 6,480 | 517 | 6,062 | 6,579 | 1.00% | 1.22% | 1.21% | 0.99% | 1.23% | 1.21% | 1.54% | 1.18% | 1.21% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 95,527 | 304,627 | 400,154 | 100,384 | 312,301 | 412,685 | 104,931 | 319,198 | 424,129 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 95,763 | 303,777 | 399,540 | 101,744 | 313,686 | 415,430 | 107,796 | 323,751 | 431,547 | 0.25% | -0.28% | -0.15% | 1.35% | 0.44% | 0.67% | 2.73% | 1.43% | 1.75% |
| 2020 | 96,710 | 304,993 | 401,703 | 103,938 | 316,974 | 420,912 | 111,163 | 329,018 | 440,181 | 0.99% | 0.40% | 0.54% | 2.16% | 1.05% | 1.32% | 3.12% | 1.63% | 2.00% |
| 2021 | 97,058 | 303,783 | 400,840 | 105,149 | 317,983 | 423,132 | 113,240 | 331,363 | 444,603 | 0.36% | -0.40% | -0.21% | 1.17% | 0.32% | 0.53% | 1.87% | 0.71% | 1.00% |
| 2022 | 98,006 | 303,645 | 401,651 | 106,933 | 319,762 | 426,695 | 115,859 | 335,790 | 451,649 | 0.98% | -0.05% | 0.20% | 1.70% | 0.56% | 0.84% | 2.31% | 1.34% | 1.58% |
| 2023 | 99,015 | 304,506 | 403,520 | 108,737 | 321,596 | 430,333 | 118,508 | 338,928 | 457,435 | 1.03% | 0.28% | 0.47% | 1.69% | 0.57% | 0.85% | 2.29% | 0.93% | 1.28% |
| 2024 | 100,882 | 307,375 | 408,257 | 111,403 | 325,527 | 436,930 | 121,950 | 343,888 | 465,838 | 1.89% | 0.94% | 1.17% | 2.45% | 1.22% | 1.53% | 2.91% | 1.46% | 1.84% |
| 2025 | 101,744 | 306,618 | 408,362 | 112,952 | 326,595 | 439,547 | 124,052 | 346,132 | 470,184 | 0.85% | -0.25% | 0.03% | 1.39% | 0.33% | 0.60% | 1.72% | 0.65% | 0.93% |
| 2026 | 103,420 | 308,008 | 411,428 | 115,155 | 328,982 | 444,137 | 126,967 | 350,138 | 477,105 | 1.65% | 0.45% | 0.75% | 1.95% | 0.73% | 1.04% | 2.35% | 1.16% | 1.47% |
| 2027 | 105,018 | 309,463 | 414,480 | 117,443 | 331,363 | 448,806 | 129,791 | 353,388 | 483,179 | 1.54% | 0.47% | 0.74% | 1.99% | 0.72% | 1.05% | 2.22% | 0.93% | 1.27% |
| 2028 | 107,265 | 311,808 | 419,072 | 120,259 | 335,127 | 455,386 | 133,291 | 358,011 | 491,302 | 2.14% | 0.76% | 1.11% | 2.40% | 1.14% | 1.47% | 2.70% | 1.31% | 1.68% |
| 2029 | 108,748 | 312,401 | 421,149 | 122,164 | 336,758 | 458,922 | 135,786 | 360,677 | 496,463 | 1.38% | 0.19% | 0.50% | 1.58% | 0.49% | 0.78% | 1.87% | 0.74% | 1.05% |
| 2030 | 110,800 | 314,779 | 425,579 | 124,822 | 339,178 | 464,001 | 138,799 | 364,636 | 503,435 | 1.89% | 0.76% | 1.05% | 2.18% | 0.72% | 1.11% | 2.22% | 1.10% | 1.40% |
| 2031 | 112,752 | 316,052 | 428,804 | 127,396 | 342,020 | 469,416 | 142,034 | 368,276 | 510,310 | 1.76% | 0.40% | 0.76% | 2.06% | 0.84% | 1.17% | 2.33% | 1.00% | 1.37% |
| 2032 | 115,686 | 319,350 | 435,036 | 130,693 | 346,366 | 477,060 | 145,789 | 373,511 | 519,300 | 2.60% | 1.04% | 1.45% | 2.59% | 1.27% | 1.63% | 2.64% | 1.42% | 1.76% |
| 2033 | 117,395 | 320,319 | 437,714 | 132,918 | 347,965 | 480,883 | 148,407 | 375,939 | 524,346 | 1.48% | 0.30% | 0.62% | 1.70% | 0.46% | 0.80% | 1.80% | 0.65% | 0.97% |
| 2034 | 119,762 | 322,284 | 442,046 | 135,738 | 351,083 | 486,822 | 151,681 | 379,571 | 531,253 | 2.02% | 0.61% | 0.99% | 2.12% | 0.90% | 1.24% | 2.21% | 0.97% | 1.32% |
| 2035 | 122,257 | 327,111 | 449,368 | 138,734 | 356,611 | 495,345 | 155,158 | 386,036 | 541,194 | 2.08% | 1.50% | 1.66% | 2.21% | 1.57% | 1.75% | 2.29% | 1.70% | 1.87% |
| 2036 | 125,455 | 330,912 | 456,367 | 142,426 | 360,961 | 503,387 | 159,318 | 391,663 | 550,981 | 2.62% | 1.16% | 1.56% | 2.66% | 1.22% | 1.62% | 2.68% | 1.46% | 1.81% |
| 2037 | 127,529 | 331,972 | 459,501 | 144,890 | 362,391 | 507,281 | 162,183 | 394,451 | 556,634 | 1.65% | 0.32% | 0.69% | 1.73% | 0.40% | 0.77% | 1.80% | 0.71% | 1.03% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 220 | 103 | 323 | 231 | 106 | 337 | 242 | 108 | 350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 221 | 103 | 323 | 235 | 106 | 341 | 249 | 110 | 359 | 0.23% | -0.24% | 0.08% | 1.48% | 0.39% | 1.14% | 2.75% | 1.54% | 2.38% |
| 2020 | 222 | 103 | 325 | 239 | 107 | 346 | 255 | 111 | 367 | 0.57% | 0.00% | 0.39% | 1.70% | 0.71% | 1.39% | 2.61% | 1.21% | 2.18% |
| 2021 | 224 | 103 | 326 | 243 | 108 | 350 | 261 | 113 | 374 | 0.79% | 0.00% | 0.54% | 1.64% | 0.78% | 1.37% | 2.38% | 1.27% | 2.05% |
| 2022 | 226 | 103 | 329 | 247 | 109 | 355 | 268 | 114 | 382 | 1.04% | 0.00% | 0.71% | 1.72% | 0.70% | 1.40% | 2.36% | 1.26% | 2.03% |
| 2023 | 228 | 103 | 332 | 251 | 109 | 360 | 274 | 115 | 389 | 1.11% | 0.24% | 0.84% | 1.72% | 0.46% | 1.34% | 2.34% | 1.02% | 1.94% |
| 2024 | 231 | 104 | 335 | 256 | 110 | 366 | 280 | 117 | 397 | 1.31% | 0.57% | 1.08% | 1.93% | 0.84% | 1.60% | 2.34% | 1.16% | 1.99% |
| 2025 | 235 | 104 | 339 | 261 | 111 | 372 | 287 | 118 | 404 | 1.40% | 0.16% | 1.02% | 1.89% | 0.83% | 1.57% | 2.26% | 1.07% | 1.91% |
| 2026 | 238 | 104 | 343 | 266 | 112 | 378 | 293 | 119 | 412 | 1.60% | 0.40% | 1.23% | 1.95% | 0.75% | 1.59% | 2.33% | 1.06% | 1.96% |
| 2027 | 242 | 105 | 347 | 271 | 113 | 384 | 300 | 120 | 420 | 1.57% | 0.56% | 1.26% | 2.01% | 0.82% | 1.66% | 2.27% | 1.05% | 1.92% |
| 2028 | 247 | 105 | 352 | 277 | 114 | 390 | 307 | 122 | 429 | 1.79% | 0.40% | 1.37% | 2.03% | 0.81% | 1.67% | 2.31% | 1.11% | 1.96% |
| 2029 | 251 | 106 | 357 | 282 | 115 | 397 | 314 | 123 | 437 | 1.76% | 0.63% | 1.42% | 2.02% | 0.81% | 1.67% | 2.28% | 1.03% | 1.93% |
| 2030 | 256 | 107 | 362 | 288 | 115 | 404 | 321 | 124 | 445 | 1.89% | 0.79% | 1.57% | 2.16% | 0.73% | 1.74% | 2.28% | 1.08% | 1.95% |
| 2031 | 260 | 107 | 367 | 294 | 116 | 411 | 328 | 126 | 454 | 1.86% | 0.31% | 1.40% | 2.08% | 0.87% | 1.73% | 2.26% | 1.14% | 1.95% |
| 2032 | 266 | 108 | 374 | 301 | 117 | 418 | 335 | 127 | 462 | 2.08% | 0.78% | 1.70% | 2.15% | 0.93% | 1.81% | 2.18% | 0.99% | 1.85% |
| 2033 | 271 | 109 | 380 | 307 | 119 | 426 | 343 | 128 | 472 | 2.01% | 0.77% | 1.65% | 2.22% | 0.92% | 1.85% | 2.34% | 1.12% | 2.00% |
| 2034 | 277 | 109 | 386 | 314 | 120 | 434 | 351 | 130 | 481 | 2.06% | 0.61% | 1.65% | 2.17% | 0.98% | 1.84% | 2.26% | 1.10% | 1.94% |
| 2035 | 282 | 111 | 393 | 321 | 121 | 442 | 359 | 132 | 490 | 2.05% | 1.07% | 1.77% | 2.10% | 1.25% | 1.86% | 2.26% | 1.35% | 2.01% |
| 2036 | 288 | 112 | 400 | 328 | 122 | 450 | 367 | 133 | 500 | 2.13% | 0.83% | 1.76% | 2.26% | 0.89% | 1.89% | 2.23% | 1.08% | 1.92% |
| 2037 | 295 | 112 | 407 | 335 | 123 | 458 | 375 | 134 | 510 | 2.20% | 0.82% | 1.81% | 2.24% | 0.82% | 1.85% | 2.25% | 1.13% | 1.95% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 45.42% |
| Medium: | 35.97% |
| Low: | 25.97% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Mission Tap

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 296,520 | 161,738 | 458,258 | 306,430 | 166,641 | 473,071 | 315,222 | 171,545 | 486,766 |
| 2019 | 296,719 | 161,738 | 458,457 | 312,483 | 167,189 | 479,672 | 322,586 | 175,535 | 498,121 |
| 2020 | 298,656 | 162,103 | 460,760 | 314,649 | 170,815 | 485,463 | 330,267 | 179,526 | 509,792 |
| 2021 | 297,672 | 162,286 | 459,958 | 314,141 | 171,545 | 485,685 | 331,995 | 180,621 | 512,616 |
| 2022 | 298,234 | 162,833 | 461,067 | 320,582 | 172,275 | 492,856 | 338,012 | 184,611 | 522,624 |
| 2023 | 299,236 | 163,198 | 462,434 | 322,300 | 175,900 | 498,200 | 343,463 | 185,524 | 528,987 |
| 2024 | 303,307 | 163,746 | 467,053 | 327,140 | 176,630 | 503,770 | 349,723 | 189,514 | 539,237 |
| 2025 | 306,053 | 164,293 | 470,347 | 330,498 | 177,543 | 508,041 | 352,083 | 193,505 | 545,587 |
| 2026 | 305,803 | 167,919 | 473,722 | 332,373 | 181,351 | 513,724 | 358,316 | 194,782 | 553,098 |
| 2027 | 309,131 | 168,466 | 477,597 | 335,438 | 182,263 | 517,701 | 364,275 | 198,773 | 563,047 |
| 2028 | 312,463 | 169,196 | 481,659 | 342,407 | 186,071 | 528,479 | 370,433 | 199,868 | 570,301 |
| 2029 | 314,147 | 169,926 | 484,074 | 343,279 | 186,984 | 530,262 | 374,559 | 204,041 | 578,599 |
| 2030 | 319,524 | 170,839 | 490,363 | 350,265 | 188,079 | 538,344 | 379,192 | 205,318 | 584,511 |
| 2031 | 320,401 | 174,647 | 495,048 | 352,451 | 192,069 | 544,521 | 384,632 | 209,491 | 594,123 |
| 2032 | 325,579 | 175,377 | 500,956 | 359,018 | 193,164 | 552,182 | 392,715 | 213,664 | 606,379 |
| 2033 | 329,962 | 176,472 | 506,434 | 362,068 | 197,155 | 559,223 | 396,090 | 214,942 | 611,032 |
| 2034 | 331,172 | 180,280 | 511,452 | 365,651 | 198,250 | 563,901 | 402,719 | 219,115 | 621,834 |
| 2035 | 334,461 | 181,193 | 515,654 | 371,801 | 202,423 | 574,224 | 407,198 | 220,575 | 627,773 |
| 2036 | 343,245 | 182,288 | 525,532 | 377,722 | 203,518 | 581,239 | 415,945 | 224,748 | 640,693 |
| 2037 | 342,533 | 186,278 | 528,811 | 381,844 | 207,691 | 589,534 | 419,930 | 229,104 | 649,034 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.07% | 0.00% | 0.04% | 1.98% | 0.33% | 1.40% | 2.34% | 2.33% | 2.33% |
| 2020 | 0.65% | 0.23% | 0.50% | 0.69% | 2.17% | 1.21% | 2.38% | 2.27% | 2.34% |
| 2021 | -0.33% | 0.11% | -0.17% | -0.16% | 0.43% | 0.05% | 0.52% | 0.61% | 0.55% |
| 2022 | 0.19% | 0.34% | 0.24% | 2.05% | 0.43% | 1.48% | 1.81% | 2.21% | 1.95% |
| 2023 | 0.34% | 0.22% | 0.30% | 0.54% | 2.10% | 1.08% | 1.61% | 0.49% | 1.22% |
| 2024 | 1.36% | 0.34% | 1.00% | 1.50% | 0.42% | 1.12% | 1.82% | 2.15% | 1.94% |
| 2025 | 0.91% | 0.33% | 0.71% | 1.03% | 0.52% | 0.85% | 0.67% | 2.11% | 1.18% |
| 2026 | -0.08% | 2.21% | 0.72% | 0.57% | 2.14% | 1.12% | 1.77% | 0.66% | 1.38% |
| 2027 | 1.09% | 0.33% | 0.82% | 0.92% | 0.50% | 0.77% | 1.66% | 2.05% | 1.80% |
| 2028 | 1.08% | 0.43% | 0.85% | 2.08% | 2.09% | 2.08% | 1.69% | 0.55% | 1.29% |
| 2029 | 0.54% | 0.43% | 0.50% | 0.25% | 0.49% | 0.34% | 1.11% | 2.09% | 1.46% |
| 2030 | 1.71% | 0.54% | 1.30% | 2.04% | 0.59% | 1.52% | 1.24% | 0.63% | 1.02% |
| 2031 | 0.27% | 2.23% | 0.96% | 0.62% | 2.12% | 1.15% | 1.43% | 2.03% | 1.64% |
| 2032 | 1.62% | 0.42% | 1.19% | 1.86% | 0.57% | 1.41% | 2.10% | 1.99% | 2.06% |
| 2033 | 1.35% | 0.62% | 1.09% | 0.85% | 2.07% | 1.28% | 0.86% | 0.60% | 0.77% |
| 2034 | 0.37% | 2.16% | 0.99% | 0.99% | 0.56% | 0.84% | 1.67% | 1.94% | 1.77% |
| 2035 | 0.99% | 0.51% | 0.82% | 1.68% | 2.10% | 1.83% | 1.11% | 0.67% | 0.95% |
| 2036 | 2.63% | 0.60% | 1.92% | 1.59% | 0.54% | 1.22% | 2.15% | 1.89% | 2.06% |
| 2037 | -0.21% | 2.19% | 0.62% | 1.09% | 2.05% | 1.43% | 0.96% | 1.94% | 1.30% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 443 | 5,006 | 5,449 | 457 | 5,076 | 5,532 | 470 | 5,147 | 5,617 |
| 2019 | 443 | 5,116 | 5,559 | 458 | 5,186 | 5,644 | 481 | 5,249 | 5,730 |
| 2020 | 444 | 5,142 | 5,586 | 468 | 5,203 | 5,671 | 492 | 5,266 | 5,758 |
| 2021 | 445 | 5,168 | 5,612 | 470 | 5,229 | 5,699 | 495 | 5,290 | 5,785 |
| 2022 | 446 | 5,283 | 5,729 | 472 | 5,345 | 5,817 | 506 | 5,400 | 5,906 |
| 2023 | 447 | 5,309 | 5,756 | 482 | 5,362 | 5,844 | 508 | 5,425 | 5,933 |
| 2024 | 449 | 5,334 | 5,783 | 484 | 5,387 | 5,871 | 519 | 5,442 | 5,961 |
| 2025 | 450 | 5,456 | 5,906 | 486 | 5,510 | 5,997 | 530 | 5,558 | 6,088 |
| 2026 | 460 | 5,480 | 5,940 | 497 | 5,534 | 6,031 | 534 | 5,589 | 6,122 |
| 2027 | 462 | 5,601 | 6,063 | 499 | 5,657 | 6,156 | 545 | 5,705 | 6,250 |
| 2028 | 464 | 5,633 | 6,096 | 510 | 5,680 | 6,190 | 548 | 5,737 | 6,284 |
| 2029 | 466 | 5,671 | 6,137 | 512 | 5,718 | 6,231 | 559 | 5,767 | 6,326 |
| 2030 | 468 | 5,799 | 6,267 | 515 | 5,847 | 6,363 | 563 | 5,897 | 6,460 |
| 2031 | 478 | 5,822 | 6,300 | 526 | 5,870 | 6,397 | 574 | 5,920 | 6,494 |
| 2032 | 480 | 5,956 | 6,437 | 529 | 6,006 | 6,536 | 585 | 6,050 | 6,635 |
| 2033 | 483 | 5,994 | 6,477 | 540 | 6,036 | 6,576 | 589 | 6,088 | 6,677 |
| 2034 | 494 | 6,113 | 6,607 | 543 | 6,165 | 6,708 | 600 | 6,210 | 6,811 |
| 2035 | 496 | 6,158 | 6,654 | 555 | 6,201 | 6,756 | 604 | 6,255 | 6,859 |
| 2036 | 499 | 6,291 | 6,791 | 558 | 6,337 | 6,895 | 616 | 6,384 | 7,000 |
| 2037 | 510 | 6,321 | 6,831 | 569 | 6,367 | 6,936 | 628 | 6,414 | 7,041 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.00% | 2.20% | 2.02% | 0.33% | 2.17% | 2.02% | 2.33% | 1.99% | 2.02% |
| 2020 | 0.23% | 0.50% | 0.48% | 2.17% | 0.33% | 0.48% | 2.27% | 0.32% | 0.48% |
| 2021 | 0.11% | 0.51% | 0.48% | 0.43% | 0.48% | 0.48% | 0.61% | 0.47% | 0.48% |
| 2022 | 0.34% | 2.23% | 2.08% | 0.43% | 2.23% | 2.08% | 2.21% | 2.07% | 2.08% |
| 2023 | 0.22% | 0.49% | 0.47% | 2.10% | 0.32% | 0.47% | 0.49% | 0.46% | 0.47% |
| 2024 | 0.34% | 0.48% | 0.47% | 0.42% | 0.47% | 0.47% | 2.15% | 0.31% | 0.47% |
| 2025 | 0.33% | 2.28% | 2.13% | 0.52% | 2.28% | 2.13% | 2.11% | 2.14% | 2.13% |
| 2026 | 2.21% | 0.43% | 0.57% | 2.14% | 0.43% | 0.57% | 0.66% | 0.56% | 0.57% |
| 2027 | 0.33% | 2.22% | 2.08% | 0.50% | 2.22% | 2.08% | 2.05% | 2.08% | 2.08% |
| 2028 | 0.43% | 0.56% | 0.55% | 2.09% | 0.42% | 0.55% | 0.55% | 0.55% | 0.55% |
| 2029 | 0.43% | 0.68% | 0.66% | 0.49% | 0.67% | 0.66% | 2.09% | 0.52% | 0.66% |
| 2030 | 0.54% | 2.25% | 2.12% | 0.59% | 2.26% | 2.12% | 0.63% | 2.26% | 2.12% |
| 2031 | 2.23% | 0.40% | 0.53% | 2.12% | 0.39% | 0.53% | 2.03% | 0.39% | 0.53% |
| 2032 | 0.42% | 2.32% | 2.17% | 0.57% | 2.31% | 2.17% | 1.99% | 2.19% | 2.17% |
| 2033 | 0.62% | 0.62% | 0.62% | 2.07% | 0.50% | 0.62% | 0.60% | 0.63% | 0.62% |
| 2034 | 2.16% | 2.00% | 2.01% | 0.56% | 2.14% | 2.01% | 1.94% | 2.01% | 2.01% |
| 2035 | 0.51% | 0.73% | 0.71% | 2.10% | 0.59% | 0.71% | 0.67% | 0.71% | 0.71% |
| 2036 | 0.60% | 2.17% | 2.06% | 0.54% | 2.19% | 2.06% | 1.89% | 2.07% | 2.06% |
| 2037 | 2.19% | 0.46% | 0.59% | 2.05% | 0.46% | 0.59% | 1.94% | 0.46% | 0.59% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 115,511 | 342,747 | 458,258 | 121,110 | 351,961 | 473,071 | 126,834 | 359,932 | 486,766 |
| 2019 | 115,710 | 342,747 | 458,457 | 123,036 | 356,636 | 479,672 | 130,218 | 367,903 | 498,121 |
| 2020 | 116,704 | 344,055 | 460,760 | 125,405 | 360,058 | 485,463 | 134,051 | 375,742 | 509,792 |
| 2021 | 117,211 | 342,747 | 459,958 | 126,996 | 358,689 | 485,685 | 136,742 | 375,874 | 512,616 |
| 2022 | 118,320 | 342,747 | 461,067 | 129,247 | 363,609 | 492,856 | 140,022 | 382,602 | 522,624 |
| 2023 | 119,687 | 342,747 | 462,434 | 131,540 | 366,660 | 498,200 | 143,287 | 385,700 | 528,987 |
| 2024 | 121,754 | 345,299 | 467,053 | 134,467 | 369,303 | 503,770 | 147,174 | 392,063 | 539,237 |
| 2025 | 122,943 | 347,404 | 470,347 | 136,461 | 371,580 | 508,041 | 149,848 | 395,740 | 545,587 |
| 2026 | 124,809 | 348,912 | 473,722 | 139,093 | 374,631 | 513,724 | 153,311 | 399,787 | 553,098 |
| 2027 | 126,879 | 350,718 | 477,597 | 141,827 | 375,874 | 517,701 | 156,852 | 406,195 | 563,047 |
| 2028 | 129,603 | 352,057 | 481,659 | 145,299 | 383,179 | 528,479 | 160,992 | 409,309 | 570,301 |
| 2029 | 131,253 | 352,821 | 484,074 | 147,661 | 382,602 | 530,262 | 164,114 | 414,485 | 578,599 |
| 2030 | 133,727 | 356,636 | 490,363 | 150,822 | 387,521 | 538,344 | 167,787 | 416,723 | 584,511 |
| 2031 | 136,359 | 358,689 | 495,048 | 153,948 | 390,572 | 544,521 | 171,667 | 422,456 | 594,123 |
| 2032 | 139,655 | 361,301 | 500,956 | 157,881 | 394,302 | 552,182 | 176,221 | 430,159 | 606,379 |
| 2033 | 141,827 | 364,607 | 506,434 | 160,679 | 398,543 | 559,223 | 179,362 | 431,670 | 611,032 |
| 2034 | 144,792 | 366,660 | 511,452 | 164,114 | 399,787 | 563,901 | 183,437 | 438,398 | 621,834 |
| 2035 | 147,751 | 367,903 | 515,654 | 167,710 | 406,514 | 574,224 | 187,563 | 440,210 | 627,773 |
| 2036 | 151,524 | 374,008 | 525,532 | 171,930 | 409,309 | 581,239 | 192,621 | 448,072 | 640,693 |
| 2037 | 154,180 | 374,631 | 528,811 | 175,049 | 414,485 | 589,534 | 196,012 | 453,022 | 649,034 |

Annual Change

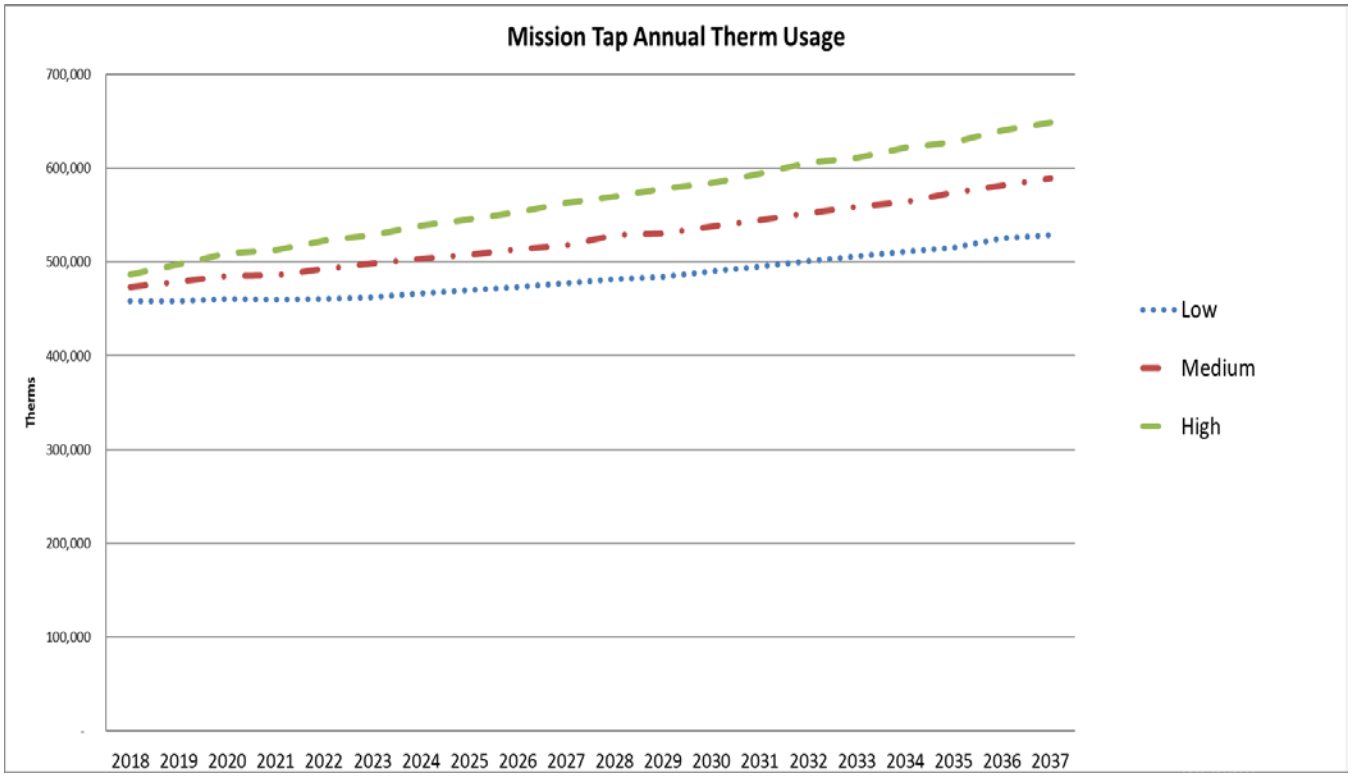
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.17% | 0.00% | 0.04% | 1.59% | 1.33% | 1.40% | 2.67% | 2.21% | 2.33% |
| 2020 | 0.86% | 0.38% | 0.50% | 1.93% | 0.96% | 1.21% | 2.94% | 2.13% | 2.34% |
| 2021 | 0.43% | -0.38% | -0.17% | 1.27% | -0.38% | 0.05% | 2.01% | 0.04% | 0.55% |
| 2022 | 0.95% | 0.00% | 0.24% | 1.77% | 1.37% | 1.48% | 2.40% | 1.79% | 1.95% |
| 2023 | 1.16% | 0.00% | 0.30% | 1.77% | 0.84% | 1.08% | 2.33% | 0.81% | 1.22% |
| 2024 | 1.73% | 0.74% | 1.00% | 2.22% | 0.72% | 1.12% | 2.71% | 1.65% | 1.94% |
| 2025 | 0.98% | 0.61% | 0.71% | 1.48% | 0.62% | 0.85% | 1.82% | 0.94% | 1.18% |
| 2026 | 1.52% | 0.43% | 0.72% | 1.93% | 0.82% | 1.12% | 2.31% | 1.02% | 1.38% |
| 2027 | 1.66% | 0.52% | 0.82% | 1.97% | 0.33% | 0.77% | 2.31% | 1.60% | 1.80% |
| 2028 | 2.15% | 0.38% | 0.85% | 2.45% | 1.94% | 2.08% | 2.64% | 0.77% | 1.29% |
| 2029 | 1.27% | 0.22% | 0.50% | 1.63% | -0.15% | 0.34% | 1.94% | 1.26% | 1.46% |
| 2030 | 1.89% | 1.08% | 1.30% | 2.14% | 1.29% | 1.52% | 2.24% | 0.54% | 1.02% |
| 2031 | 1.97% | 0.58% | 0.96% | 2.07% | 0.79% | 1.15% | 2.31% | 1.38% | 1.64% |
| 2032 | 2.42% | 0.73% | 1.19% | 2.55% | 0.95% | 1.41% | 2.65% | 1.82% | 2.06% |
| 2033 | 1.56% | 0.91% | 1.09% | 1.77% | 1.08% | 1.28% | 1.78% | 0.35% | 0.77% |
| 2034 | 2.09% | 0.56% | 0.99% | 2.14% | 0.31% | 0.84% | 2.27% | 1.56% | 1.77% |
| 2035 | 2.04% | 0.34% | 0.82% | 2.19% | 1.68% | 1.83% | 2.25% | 0.41% | 0.95% |
| 2036 | 2.55% | 1.66% | 1.92% | 2.52% | 0.69% | 1.22% | 2.70% | 1.79% | 2.06% |
| 2037 | 1.75% | 0.17% | 0.62% | 1.81% | 1.26% | 1.43% | 1.76% | 1.10% | 1.30% |

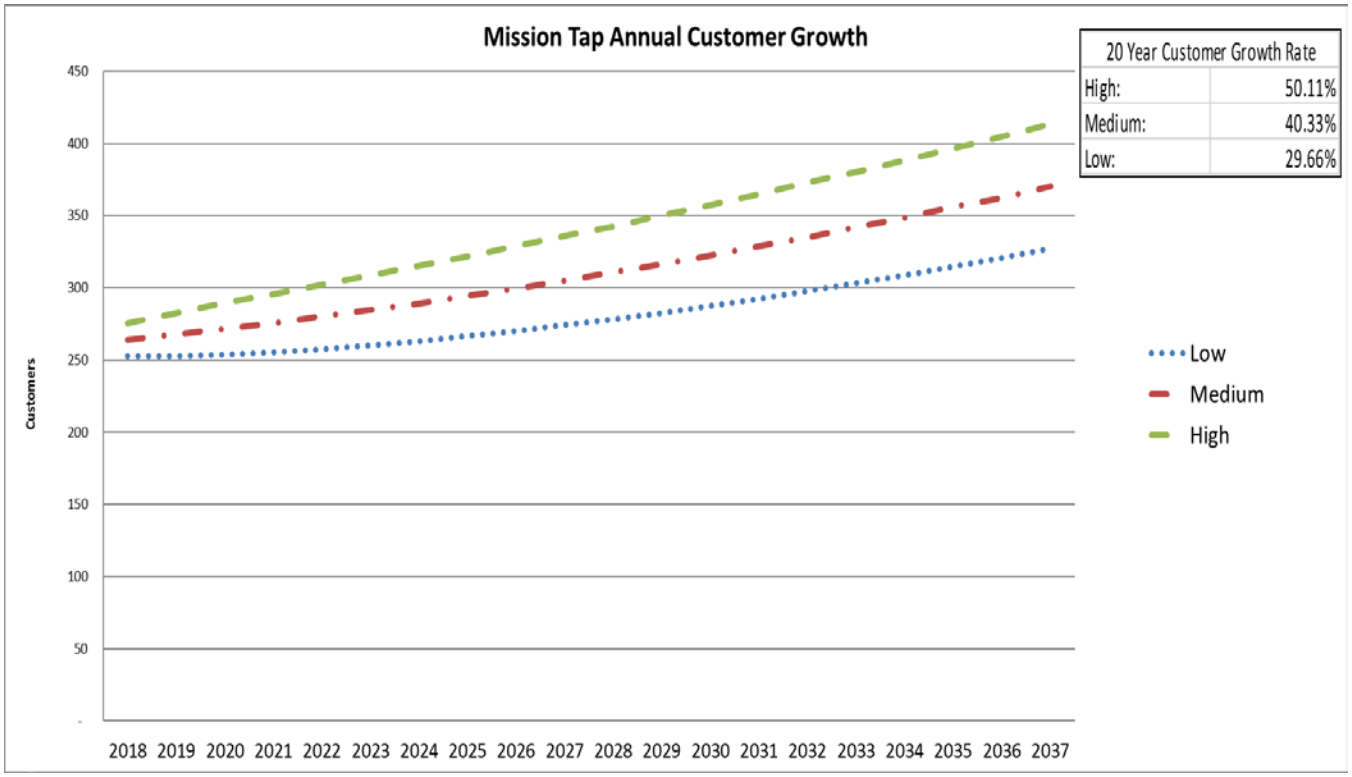
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 209 | 43 | 252 | 220 | 44 | 264 | 230 | 45 | 275 |
| 2019 | 210 | 43 | 253 | 223 | 45 | 268 | 237 | 46 | 283 |
| 2020 | 211 | 43 | 254 | 227 | 45 | 272 | 243 | 47 | 289 |
| 2021 | 213 | 43 | 256 | 231 | 45 | 276 | 248 | 47 | 296 |
| 2022 | 215 | 43 | 258 | 235 | 46 | 280 | 254 | 48 | 302 |
| 2023 | 217 | 43 | 260 | 239 | 46 | 285 | 260 | 48 | 309 |
| 2024 | 220 | 43 | 263 | 243 | 46 | 289 | 266 | 49 | 315 |
| 2025 | 223 | 44 | 267 | 248 | 47 | 294 | 272 | 50 | 322 |
| 2026 | 227 | 44 | 270 | 253 | 47 | 300 | 279 | 50 | 329 |
| 2027 | 230 | 44 | 274 | 258 | 47 | 305 | 285 | 51 | 336 |
| 2028 | 234 | 44 | 278 | 263 | 48 | 311 | 291 | 51 | 343 |
| 2029 | 238 | 44 | 282 | 268 | 48 | 316 | 298 | 52 | 350 |
| 2030 | 243 | 45 | 287 | 274 | 49 | 323 | 305 | 52 | 357 |
| 2031 | 248 | 45 | 293 | 280 | 49 | 329 | 312 | 53 | 365 |
| 2032 | 253 | 45 | 298 | 286 | 49 | 335 | 319 | 54 | 373 |
| 2033 | 258 | 46 | 303 | 292 | 50 | 342 | 326 | 54 | 380 |
| 2034 | 263 | 46 | 309 | 298 | 50 | 348 | 334 | 55 | 389 |
| 2035 | 268 | 46 | 315 | 305 | 51 | 356 | 341 | 55 | 396 |
| 2036 | 274 | 47 | 321 | 311 | 51 | 362 | 349 | 56 | 405 |
| 2037 | 280 | 47 | 327 | 318 | 52 | 370 | 357 | 57 | 413 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.16% | 0.00% | 0.13% | 1.55% | 1.32% | 1.52% | 2.68% | 2.22% | 2.60% |
| 2020 | 0.52% | 0.00% | 0.43% | 1.57% | 0.75% | 1.43% | 2.54% | 1.81% | 2.42% |
| 2021 | 0.83% | 0.00% | 0.69% | 1.69% | 0.00% | 1.41% | 2.44% | 0.36% | 2.10% |
| 2022 | 0.98% | 0.00% | 0.82% | 1.77% | 1.30% | 1.69% | 2.42% | 1.95% | 2.34% |
| 2023 | 1.17% | 0.00% | 0.97% | 1.78% | 0.91% | 1.64% | 2.33% | 0.87% | 2.09% |
| 2024 | 1.31% | 0.19% | 1.12% | 1.85% | 0.18% | 1.58% | 2.30% | 1.20% | 2.13% |
| 2025 | 1.44% | 0.97% | 1.36% | 1.88% | 1.08% | 1.76% | 2.25% | 1.36% | 2.11% |
| 2026 | 1.53% | 0.57% | 1.38% | 1.95% | 0.89% | 1.78% | 2.29% | 0.84% | 2.07% |
| 2027 | 1.66% | 0.57% | 1.48% | 1.98% | 0.18% | 1.70% | 2.33% | 1.66% | 2.23% |
| 2028 | 1.74% | 0.00% | 1.46% | 2.04% | 1.59% | 1.97% | 2.22% | 0.33% | 1.93% |
| 2029 | 1.71% | 0.38% | 1.50% | 2.09% | 0.35% | 1.82% | 2.34% | 1.79% | 2.26% |
| 2030 | 1.89% | 1.13% | 1.77% | 2.11% | 1.22% | 1.98% | 2.29% | 0.64% | 2.05% |
| 2031 | 1.99% | 0.75% | 1.80% | 2.07% | 0.86% | 1.89% | 2.29% | 1.27% | 2.15% |
| 2032 | 1.99% | 0.19% | 1.71% | 2.15% | 0.68% | 1.93% | 2.24% | 1.42% | 2.12% |
| 2033 | 2.01% | 1.29% | 1.90% | 2.25% | 1.35% | 2.11% | 2.22% | 0.62% | 1.99% |
| 2034 | 2.07% | 0.73% | 1.87% | 2.11% | 0.17% | 1.83% | 2.27% | 1.69% | 2.19% |
| 2035 | 2.09% | 0.18% | 1.81% | 2.24% | 1.83% | 2.18% | 2.27% | 0.45% | 2.02% |
| 2036 | 2.14% | 1.27% | 2.01% | 2.08% | 0.16% | 1.80% | 2.25% | 1.36% | 2.12% |
| 2037 | 2.19% | 0.71% | 1.97% | 2.25% | 1.79% | 2.18% | 2.22% | 1.49% | 2.12% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.11% |
| Medium: | 40.33% |
| Low: | 29.66% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

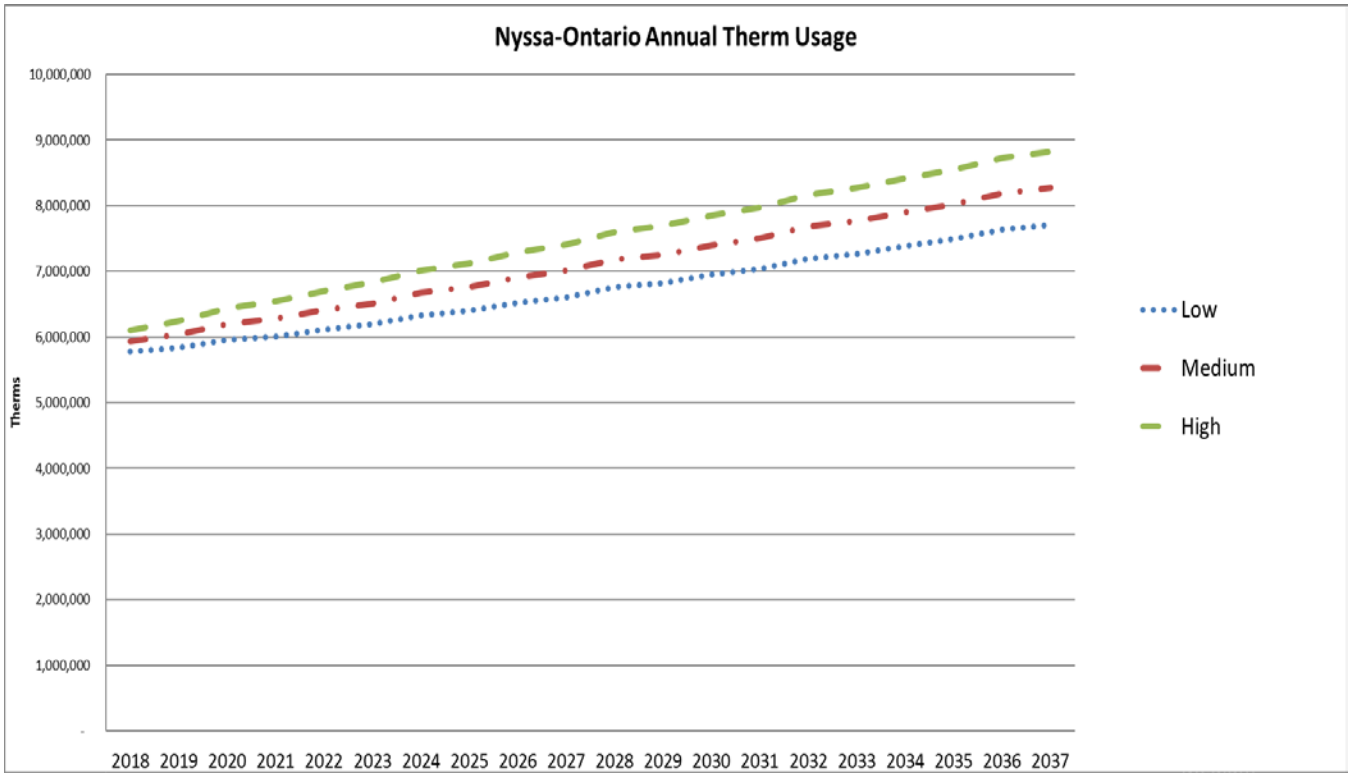
## Nyssa-Ontario

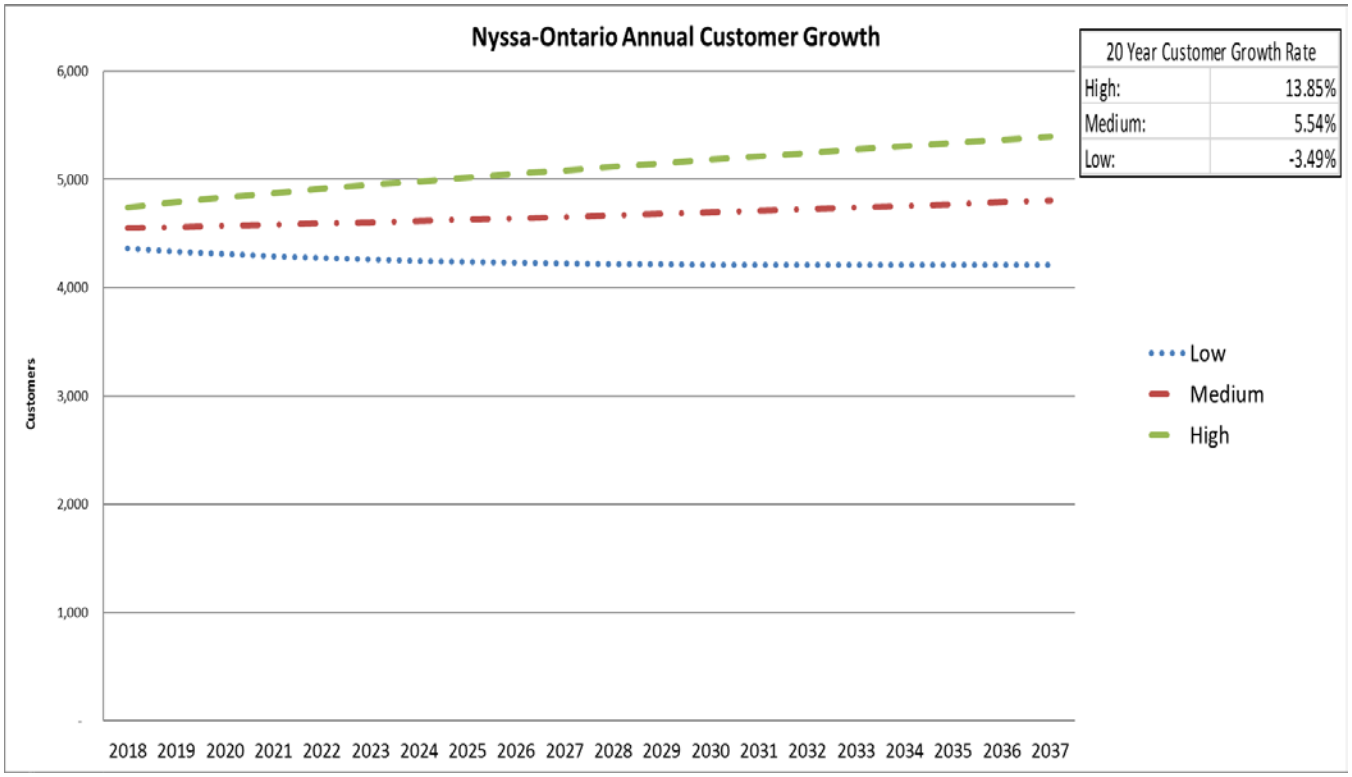
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,533,324 | 2,243,422 | 5,776,746 | 3,653,445 | 2,286,799 | 5,940,244 | 3,774,474 | 2,330,175 | 6,104,649 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,497,425 | 2,337,492 | 5,834,917 | 3,648,238 | 2,392,170 | 6,040,408 | 3,798,338 | 2,446,777 | 6,245,116 | -1.02% | 4.19% | 1.01% | -0.14% | 4.61% | 1.69% | 0.63% | 5.00% | 2.30% |
| 2020 | 3,579,681 | 2,384,385 | 5,964,066 | 3,757,371 | 2,447,257 | 6,204,628 | 3,933,926 | 2,510,128 | 6,444,055 | 2.35% | 2.01% | 2.21% | 2.99% | 2.30% | 2.72% | 3.57% | 2.59% | 3.19% |
| 2021 | 3,529,596 | 2,481,775 | 6,011,371 | 3,726,841 | 2,552,699 | 6,279,540 | 3,923,788 | 2,623,623 | 6,547,411 | -1.40% | 4.08% | 0.79% | -0.81% | 4.31% | 1.21% | -0.26% | 4.52% | 1.60% |
| 2022 | 3,588,164 | 2,529,939 | 6,118,103 | 3,804,659 | 2,607,856 | 6,412,515 | 4,021,790 | 2,685,773 | 6,707,563 | 1.66% | 1.94% | 1.78% | 2.09% | 2.16% | 2.12% | 2.50% | 2.37% | 2.45% |
| 2023 | 3,566,923 | 2,629,518 | 6,196,442 | 3,801,425 | 2,714,287 | 6,515,712 | 4,036,608 | 2,798,067 | 6,834,675 | -0.59% | 3.94% | 1.28% | -0.08% | 4.08% | 1.61% | 0.37% | 4.18% | 1.90% |
| 2024 | 3,653,339 | 2,679,801 | 6,333,140 | 3,907,065 | 2,769,515 | 6,676,579 | 4,159,975 | 2,860,076 | 7,020,050 | 2.42% | 1.91% | 2.21% | 2.78% | 2.03% | 2.47% | 3.06% | 2.22% | 2.71% |
| 2025 | 3,617,595 | 2,780,440 | 6,398,035 | 3,884,385 | 2,875,946 | 6,760,331 | 4,152,356 | 2,971,452 | 7,123,808 | -0.98% | 3.76% | 1.02% | -0.58% | 3.84% | 1.25% | -0.18% | 3.89% | 1.48% |
| 2026 | 3,693,621 | 2,830,864 | 6,524,485 | 3,975,291 | 2,932,091 | 6,907,382 | 4,256,676 | 3,033,319 | 7,289,995 | 2.10% | 1.81% | 1.98% | 2.34% | 1.95% | 2.18% | 2.51% | 2.08% | 2.33% |
| 2027 | 3,677,061 | 2,932,633 | 6,609,694 | 3,972,865 | 3,038,593 | 7,011,458 | 4,269,049 | 3,144,624 | 7,413,673 | -0.45% | 3.59% | 1.31% | -0.06% | 3.63% | 1.51% | 0.29% | 3.67% | 1.70% |
| 2028 | 3,774,026 | 2,984,187 | 6,758,214 | 4,085,243 | 3,094,880 | 7,180,123 | 4,396,797 | 3,205,502 | 7,602,299 | 2.64% | 1.76% | 2.25% | 2.83% | 1.85% | 2.41% | 2.99% | 1.94% | 2.54% |
| 2029 | 3,735,099 | 3,086,027 | 6,821,126 | 4,057,435 | 3,201,382 | 7,258,817 | 4,379,902 | 3,316,737 | 7,696,639 | -1.03% | 3.41% | 0.93% | -0.68% | 3.44% | 1.10% | -0.38% | 3.47% | 1.24% |
| 2030 | 3,810,522 | 3,138,570 | 6,949,092 | 4,144,786 | 3,257,669 | 7,402,455 | 4,479,439 | 3,377,686 | 7,857,126 | 2.02% | 1.70% | 1.88% | 2.15% | 1.76% | 1.98% | 2.27% | 1.84% | 2.09% |
| 2031 | 3,796,983 | 3,240,551 | 7,037,534 | 4,143,522 | 3,365,159 | 7,508,681 | 4,489,498 | 3,488,850 | 7,978,348 | -0.36% | 3.25% | 1.27% | -0.03% | 3.30% | 1.44% | 0.22% | 3.29% | 1.54% |
| 2032 | 3,901,092 | 3,293,236 | 7,194,327 | 4,261,236 | 3,421,447 | 7,682,683 | 4,621,090 | 3,549,728 | 8,170,818 | 2.74% | 1.63% | 2.23% | 2.84% | 1.67% | 2.32% | 2.93% | 1.74% | 2.41% |
| 2033 | 3,871,934 | 3,396,205 | 7,268,139 | 4,240,908 | 3,528,090 | 7,768,998 | 4,609,689 | 3,659,974 | 8,269,663 | -0.75% | 3.13% | 1.03% | -0.48% | 3.12% | 1.12% | -0.25% | 3.11% | 1.21% |
| 2034 | 3,890,151 | 3,499,246 | 7,389,397 | 4,270,104 | 3,634,733 | 7,904,837 | 4,649,199 | 3,771,067 | 8,420,266 | 0.47% | 3.03% | 1.67% | 0.69% | 3.02% | 1.75% | 0.86% | 3.04% | 1.82% |
| 2035 | 3,938,876 | 3,552,001 | 7,490,878 | 4,329,023 | 3,691,938 | 8,020,961 | 4,719,790 | 3,830,957 | 8,550,747 | 1.25% | 1.51% | 1.37% | 1.38% | 1.57% | 1.47% | 1.52% | 1.59% | 1.55% |
| 2036 | 3,987,791 | 3,655,042 | 7,642,833 | 4,389,962 | 3,798,581 | 8,188,543 | 4,792,564 | 3,942,121 | 8,734,685 | 1.24% | 2.90% | 2.03% | 1.41% | 2.89% | 2.09% | 1.54% | 2.90% | 2.15% |
| 2037 | 4,006,007 | 3,707,868 | 7,713,875 | 4,415,537 | 3,854,939 | 8,270,476 | 4,826,082 | 4,001,940 | 8,828,022 | 0.46% | 1.45% | 0.93% | 0.58% | 1.48% | 1.00% | 0.70% | 1.52% | 1.07% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 6,146 | 62,875 | 69,021 | 6,265 | 63,814 | 70,079 | 6,384 | 64,762 | 71,146 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,404 | 63,456 | 69,860 | 6,554 | 64,377 | 70,931 | 6,703 | 65,307 | 72,011 | 4.19% | 0.92% | 1.22% | 4.61% | 0.88% | 1.22% | 5.00% | 0.84% | 1.22% |
| 2020 | 6,533 | 64,848 | 71,381 | 6,705 | 65,770 | 72,475 | 6,877 | 66,701 | 73,578 | 2.01% | 2.19% | 2.18% | 2.30% | 2.16% | 2.18% | 2.59% | 2.13% | 2.18% |
| 2021 | 6,799 | 65,433 | 72,232 | 6,994 | 66,345 | 73,339 | 7,188 | 67,268 | 74,456 | 4.08% | 0.90% | 1.19% | 4.31% | 0.88% | 1.19% | 4.52% | 0.85% | 1.19% |
| 2022 | 6,931 | 66,821 | 73,753 | 7,145 | 67,738 | 74,883 | 7,358 | 68,665 | 76,023 | 1.94% | 2.12% | 2.11% | 2.16% | 2.10% | 2.11% | 2.37% | 2.08% | 2.11% |
| 2023 | 7,204 | 67,438 | 74,642 | 7,436 | 68,349 | 75,786 | 7,666 | 69,274 | 76,940 | 3.94% | 0.92% | 1.21% | 4.08% | 0.90% | 1.21% | 4.18% | 0.89% | 1.21% |
| 2024 | 7,342 | 68,858 | 76,200 | 7,588 | 69,780 | 77,368 | 7,836 | 70,710 | 78,546 | 1.91% | 2.11% | 2.09% | 2.03% | 2.09% | 2.09% | 2.22% | 2.07% | 2.09% |
| 2025 | 7,618 | 69,440 | 77,058 | 7,879 | 70,359 | 78,239 | 8,141 | 71,289 | 79,430 | 3.76% | 0.85% | 1.13% | 3.84% | 0.83% | 1.13% | 3.89% | 0.82% | 1.13% |
| 2026 | 7,756 | 70,867 | 78,622 | 8,033 | 71,794 | 79,827 | 8,310 | 72,732 | 81,043 | 1.81% | 2.05% | 2.03% | 1.95% | 2.04% | 2.03% | 2.08% | 2.02% | 2.03% |
| 2027 | 8,035 | 71,483 | 79,518 | 8,325 | 72,412 | 80,736 | 8,615 | 73,350 | 81,966 | 3.59% | 0.87% | 1.14% | 3.63% | 0.86% | 1.14% | 3.67% | 0.85% | 1.14% |
| 2028 | 8,176 | 72,907 | 81,082 | 8,479 | 73,846 | 82,325 | 8,782 | 74,796 | 83,579 | 1.76% | 1.99% | 1.97% | 1.85% | 1.98% | 1.97% | 1.94% | 1.97% | 1.97% |
| 2029 | 8,455 | 73,529 | 81,984 | 8,771 | 74,470 | 83,241 | 9,087 | 75,421 | 84,508 | 3.41% | 0.85% | 1.11% | 3.44% | 0.84% | 1.11% | 3.47% | 0.84% | 1.11% |
| 2030 | 8,599 | 74,988 | 83,586 | 8,925 | 75,942 | 84,868 | 9,254 | 76,906 | 86,160 | 1.70% | 1.98% | 1.95% | 1.76% | 1.98% | 1.95% | 1.84% | 1.97% | 1.95% |
| 2031 | 8,878 | 75,610 | 84,488 | 9,220 | 76,563 | 85,783 | 9,558 | 77,531 | 87,089 | 3.25% | 0.83% | 1.08% | 3.30% | 0.82% | 1.08% | 3.29% | 0.81% | 1.08% |
| 2032 | 9,023 | 77,037 | 86,059 | 9,374 | 78,004 | 87,378 | 9,725 | 78,983 | 88,709 | 1.63% | 1.89% | 1.86% | 1.67% | 1.88% | 1.86% | 1.74% | 1.87% | 1.86% |
| 2033 | 9,305 | 78,332 | 87,636 | 9,666 | 79,314 | 88,980 | 10,027 | 80,307 | 90,334 | 3.13% | 1.68% | 1.83% | 3.12% | 1.68% | 1.83% | 3.11% | 1.68% | 1.83% |
| 2034 | 9,587 | 78,983 | 88,570 | 9,958 | 79,969 | 89,927 | 10,332 | 80,965 | 91,296 | 3.03% | 0.83% | 1.06% | 3.02% | 0.83% | 1.06% | 3.04% | 0.82% | 1.06% |
| 2035 | 9,732 | 80,415 | 90,147 | 10,115 | 81,414 | 91,528 | 10,496 | 82,426 | 92,922 | 1.51% | 1.81% | 1.78% | 1.57% | 1.81% | 1.78% | 1.59% | 1.81% | 1.78% |
| 2036 | 10,014 | 81,041 | 91,055 | 10,407 | 82,043 | 92,450 | 10,800 | 83,058 | 93,858 | 2.90% | 0.78% | 1.01% | 2.89% | 0.77% | 1.01% | 2.90% | 0.77% | 1.01% |
| 2037 | 10,159 | 82,474 | 92,632 | 10,561 | 83,490 | 94,052 | 10,964 | 84,520 | 95,484 | 1.45% | 1.77% | 1.73% | 1.48% | 1.76% | 1.73% | 1.52% | 1.76% | 1.73% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,770,570 | 4,006,176 | 5,776,746 | 1,847,093 | 4,093,151 | 5,940,244 | 1,923,593 | 4,181,056 | 6,104,649 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,756,227 | 4,078,690 | 5,834,917 | 1,848,868 | 4,191,540 | 6,040,408 | 1,941,472 | 4,303,643 | 6,245,116 | -0.81% | 1.81% | 1.01% | 0.10% | 2.40% | 1.69% | 0.93% | 2.93% | 2.30% |
| 2020 | 1,753,357 | 4,210,709 | 5,964,066 | 1,859,694 | 4,344,934 | 6,204,628 | 1,966,064 | 4,477,991 | 6,444,055 | -0.16% | 3.24% | 2.21% | 0.59% | 3.66% | 2.72% | 1.27% | 4.05% | 3.19% |
| 2021 | 1,734,767 | 4,276,604 | 6,011,371 | 1,852,253 | 4,427,286 | 6,279,540 | 1,969,729 | 4,577,681 | 6,547,411 | -1.06% | 1.56% | 0.79% | -0.40% | 1.90% | 1.21% | 0.19% | 2.23% | 1.60% |
| 2022 | 1,725,830 | 4,392,273 | 6,118,103 | 1,853,918 | 4,558,597 | 6,412,515 | 1,982,125 | 4,725,438 | 6,707,563 | -0.52% | 2.70% | 1.78% | 0.09% | 2.97% | 2.12% | 0.63% | 3.23% | 2.45% |
| 2023 | 1,718,315 | 4,478,127 | 6,196,442 | 1,856,231 | 4,659,481 | 6,515,712 | 1,994,157 | 4,840,519 | 6,834,675 | -0.44% | 1.95% | 1.28% | 0.12% | 2.21% | 1.61% | 0.61% | 2.44% | 1.90% |
| 2024 | 1,720,378 | 4,612,762 | 6,333,140 | 1,868,262 | 4,808,318 | 6,676,579 | 2,016,129 | 5,003,921 | 7,020,050 | 0.12% | 3.01% | 2.21% | 0.65% | 3.19% | 2.47% | 1.10% | 3.38% | 2.71% |
| 2025 | 1,705,760 | 4,692,275 | 6,398,035 | 1,861,545 | 4,898,786 | 6,760,331 | 2,017,283 | 5,106,525 | 7,123,808 | -0.85% | 1.72% | 1.02% | -0.36% | 1.88% | 1.25% | 0.06% | 2.05% | 1.48% |
| 2026 | 1,700,384 | 4,824,101 | 6,524,485 | 1,864,465 | 5,042,917 | 6,907,382 | 2,028,266 | 5,261,729 | 7,289,995 | -0.32% | 2.81% | 1.98% | 0.16% | 2.94% | 2.18% | 0.54% | 3.04% | 2.33% |
| 2027 | 1,695,635 | 4,914,059 | 6,609,694 | 1,867,355 | 5,144,103 | 7,011,458 | 2,039,124 | 5,374,549 | 7,413,673 | -0.28% | 1.86% | 1.31% | 0.16% | 2.01% | 1.51% | 0.54% | 2.14% | 1.70% |
| 2028 | 1,699,217 | 5,058,996 | 6,758,214 | 1,879,248 | 5,300,876 | 7,180,123 | 2,059,396 | 5,542,903 | 7,602,299 | 0.21% | 2.95% | 2.25% | 0.64% | 3.05% | 2.41% | 0.99% | 3.13% | 2.54% |
| 2029 | 1,687,332 | 5,133,794 | 6,821,126 | 1,873,775 | 5,385,042 | 7,258,817 | 2,060,035 | 5,636,605 | 7,696,639 | -0.70% | 1.48% | 0.93% | -0.29% | 1.59% | 1.10% | 0.03% | 1.69% | 1.24% |
| 2030 | 1,683,969 | 5,265,123 | 6,949,092 | 1,877,192 | 5,525,264 | 7,402,455 | 2,070,439 | 5,786,687 | 7,857,126 | -0.20% | 2.56% | 1.88% | 0.18% | 2.60% | 1.98% | 0.51% | 2.66% | 2.09% |
| 2031 | 1,680,832 | 5,356,702 | 7,037,534 | 1,880,730 | 5,627,951 | 7,508,681 | 2,080,596 | 5,897,752 | 7,978,348 | -0.19% | 1.74% | 1.27% | 0.19% | 1.86% | 1.44% | 0.49% | 1.92% | 1.54% |
| 2032 | 1,686,577 | 5,507,751 | 7,194,327 | 1,893,810 | 5,788,872 | 7,682,683 | 2,101,248 | 6,069,570 | 8,170,818 | 0.34% | 2.82% | 2.23% | 0.70% | 2.86% | 2.32% | 0.99% | 2.91% | 2.41% |
| 2033 | 1,675,380 | 5,592,759 | 7,268,139 | 1,887,993 | 5,881,005 | 7,768,998 | 2,100,364 | 6,169,299 | 8,269,663 | -0.66% | 1.54% | 1.03% | -0.31% | 1.59% | 1.12% | -0.04% | 1.64% | 1.21% |
| 2034 | 1,673,073 | 5,716,323 | 7,389,397 | 1,891,657 | 6,013,180 | 7,904,837 | 2,110,336 | 6,309,931 | 8,420,266 | -0.14% | 2.21% | 1.67% | 0.19% | 2.25% | 1.75% | 0.47% | 2.28% | 1.82% |
| 2035 | 1,671,301 | 5,819,576 | 7,490,878 | 1,895,856 | 6,125,105 | 8,020,961 | 2,120,329 | 6,430,417 | 8,550,747 | -0.11% | 1.81% | 1.37% | 0.22% | 1.86% | 1.47% | 0.47% | 1.91% | 1.55% |
| 2036 | 1,677,952 | 5,964,881 | 7,642,833 | 1,909,331 | 6,279,212 | 8,188,543 | 2,140,648 | 6,594,037 | 8,734,685 | 0.40% | 2.50% | 2.03% | 0.71% | 2.52% | 2.09% | 0.96% | 2.54% | 2.15% |
| 2037 | 1,667,668 | 6,046,207 | 7,713,875 | 1,903,731 | 6,366,745 | 8,270,476 | 2,139,568 | 6,688,454 | 8,828,022 | -0.61% | 1.36% | 0.93% | -0.29% | 1.39% | 1.00% | -0.05% | 1.43% | 1.07% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,460 | 905 | 4,366 | 3,614 | 939 | 4,553 | 3,768 | 973 | 4,740 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,433 | 902 | 4,334 | 3,618 | 945 | 4,563 | 3,802 | 988 | 4,791 | -0.80% | -0.41% | -0.72% | 0.10% | 0.66% | 0.21% | 0.92% | 1.61% | 1.06% |
| 2020 | 3,410 | 900 | 4,310 | 3,621 | 952 | 4,573 | 3,832 | 1,003 | 4,835 | -0.66% | -0.14% | -0.55% | 0.09% | 0.71% | 0.22% | 0.78% | 1.45% | 0.91% |
| 2021 | 3,391 | 900 | 4,291 | 3,625 | 958 | 4,583 | 3,859 | 1,016 | 4,875 | -0.57% | -0.03% | -0.46% | 0.10% | 0.67% | 0.22% | 0.70% | 1.32% | 0.83% |
| 2022 | 3,374 | 901 | 4,274 | 3,629 | 965 | 4,593 | 3,884 | 1,029 | 4,913 | -0.50% | 0.08% | -0.38% | 0.11% | 0.70% | 0.23% | 0.65% | 1.28% | 0.78% |
| 2023 | 3,359 | 902 | 4,261 | 3,633 | 972 | 4,605 | 3,908 | 1,041 | 4,949 | -0.44% | 0.12% | -0.32% | 0.13% | 0.73% | 0.25% | 0.61% | 1.21% | 0.74% |
| 2024 | 3,345 | 904 | 4,249 | 3,638 | 979 | 4,617 | 3,931 | 1,054 | 4,984 | -0.40% | 0.23% | -0.26% | 0.14% | 0.71% | 0.26% | 0.59% | 1.18% | 0.71% |
| 2025 | 3,333 | 906 | 4,240 | 3,643 | 986 | 4,629 | 3,953 | 1,066 | 5,018 | -0.36% | 0.26% | -0.23% | 0.14% | 0.72% | 0.26% | 0.57% | 1.13% | 0.69% |
| 2026 | 3,323 | 909 | 4,232 | 3,649 | 994 | 4,642 | 3,974 | 1,078 | 5,052 | -0.32% | 0.33% | -0.18% | 0.16% | 0.79% | 0.29% | 0.55% | 1.13% | 0.67% |
| 2027 | 3,313 | 912 | 4,226 | 3,655 | 1,001 | 4,655 | 3,996 | 1,089 | 5,085 | -0.28% | 0.33% | -0.15% | 0.16% | 0.74% | 0.28% | 0.55% | 1.08% | 0.66% |
| 2028 | 3,305 | 916 | 4,221 | 3,661 | 1,009 | 4,669 | 4,017 | 1,101 | 5,118 | -0.26% | 0.39% | -0.12% | 0.17% | 0.77% | 0.30% | 0.52% | 1.09% | 0.64% |
| 2029 | 3,297 | 919 | 4,216 | 3,667 | 1,016 | 4,683 | 4,037 | 1,113 | 5,150 | -0.23% | 0.37% | -0.10% | 0.18% | 0.73% | 0.30% | 0.51% | 1.04% | 0.62% |
| 2030 | 3,290 | 924 | 4,214 | 3,674 | 1,024 | 4,698 | 4,058 | 1,124 | 5,182 | -0.20% | 0.47% | -0.06% | 0.19% | 0.76% | 0.31% | 0.51% | 1.04% | 0.63% |
| 2031 | 3,284 | 927 | 4,212 | 3,681 | 1,031 | 4,713 | 4,078 | 1,135 | 5,214 | -0.19% | 0.41% | -0.06% | 0.19% | 0.77% | 0.32% | 0.50% | 0.99% | 0.60% |
| 2032 | 3,279 | 932 | 4,211 | 3,688 | 1,039 | 4,728 | 4,098 | 1,147 | 5,245 | -0.16% | 0.47% | -0.02% | 0.19% | 0.78% | 0.32% | 0.49% | 1.01% | 0.61% |
| 2033 | 3,274 | 936 | 4,210 | 3,696 | 1,047 | 4,743 | 4,118 | 1,158 | 5,276 | -0.15% | 0.47% | -0.01% | 0.21% | 0.73% | 0.32% | 0.48% | 0.96% | 0.58% |
| 2034 | 3,269 | 941 | 4,210 | 3,704 | 1,055 | 4,758 | 4,138 | 1,169 | 5,307 | -0.14% | 0.49% | 0.00% | 0.20% | 0.74% | 0.32% | 0.48% | 0.96% | 0.59% |
| 2035 | 3,265 | 945 | 4,211 | 3,711 | 1,063 | 4,774 | 4,157 | 1,180 | 5,337 | -0.12% | 0.48% | 0.01% | 0.21% | 0.74% | 0.33% | 0.46% | 0.94% | 0.57% |
| 2036 | 3,262 | 950 | 4,212 | 3,719 | 1,071 | 4,790 | 4,176 | 1,191 | 5,367 | -0.11% | 0.53% | 0.04% | 0.21% | 0.75% | 0.33% | 0.46% | 0.93% | 0.57% |
| 2037 | 3,258 | 955 | 4,213 | 3,727 | 1,078 | 4,805 | 4,195 | 1,202 | 5,397 | -0.11% | 0.47% | 0.02% | 0.21% | 0.70% | 0.32% | 0.45% | 0.90% | 0.55% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 13.85% |
| Medium: | 5.54% |
| Low: | -3.49% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

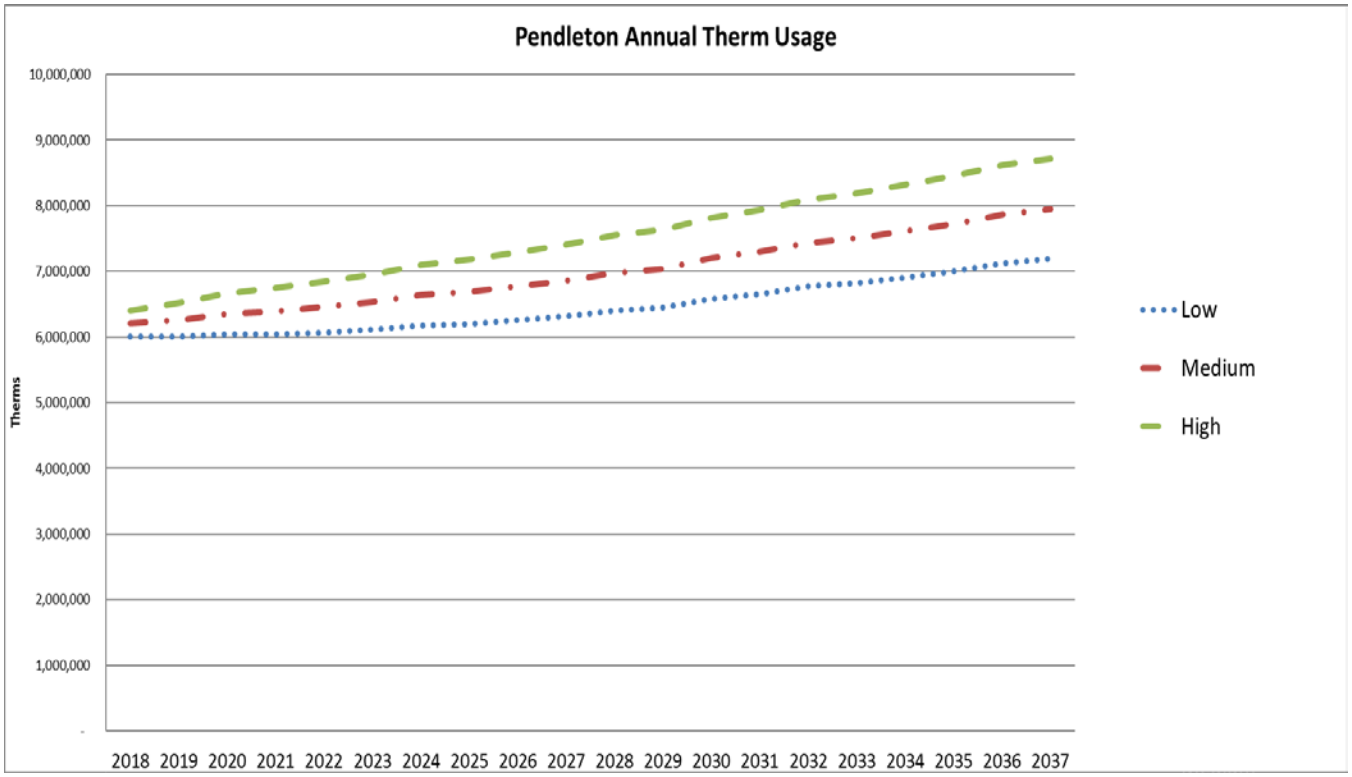
## Pendleton

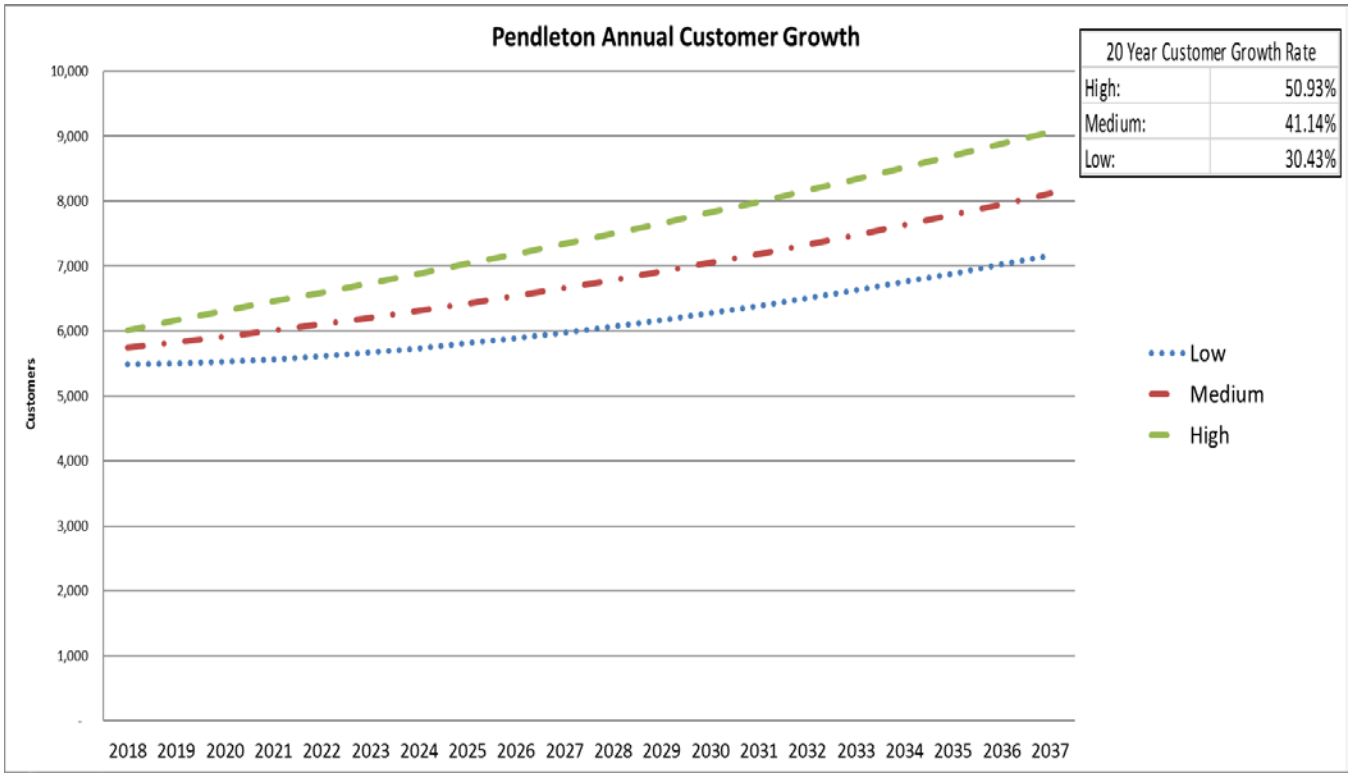
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 4,052,727 | 1,957,647 | 6,010,373 | 4,192,952 | 2,012,906 | 6,205,858 | 4,333,872 | 2,068,045 | 6,401,916 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,049,860 | 1,956,680 | 6,006,540 | 4,236,769 | 2,028,177 | 6,264,946 | 4,423,001 | 2,099,795 | 6,522,796 | -0.07% | -0.05% | -0.06% | 1.05% | 0.76% | 0.95% | 2.06% | 1.54% | 1.89% |
| 2020 | 4,084,180 | 1,959,954 | 6,044,134 | 4,309,891 | 2,044,054 | 6,353,944 | 4,535,675 | 2,128,153 | 6,663,828 | 0.85% | 0.17% | 0.63% | 1.73% | 0.78% | 1.42% | 2.55% | 1.35% | 2.16% |
| 2021 | 4,077,089 | 1,964,805 | 6,041,894 | 4,331,516 | 2,061,748 | 6,393,264 | 4,587,567 | 2,157,480 | 6,745,047 | -0.17% | 0.25% | -0.04% | 0.50% | 0.87% | 0.62% | 1.14% | 1.38% | 1.22% |
| 2022 | 4,099,307 | 1,973,168 | 6,072,475 | 4,383,680 | 2,078,837 | 6,462,517 | 4,666,531 | 2,185,717 | 6,852,248 | 0.54% | 0.43% | 0.51% | 1.20% | 0.83% | 1.08% | 1.72% | 1.31% | 1.59% |
| 2023 | 4,128,316 | 1,982,502 | 6,110,818 | 4,438,350 | 2,097,623 | 6,535,973 | 4,746,383 | 2,213,954 | 6,960,337 | 0.71% | 0.47% | 0.63% | 1.25% | 0.90% | 1.14% | 1.71% | 1.29% | 1.58% |
| 2024 | 4,188,177 | 1,992,685 | 6,180,861 | 4,523,426 | 2,117,014 | 6,640,441 | 4,857,649 | 2,241,344 | 7,098,993 | 1.45% | 0.51% | 1.15% | 1.92% | 0.92% | 1.60% | 2.34% | 1.24% | 1.99% |
| 2025 | 4,199,923 | 2,005,048 | 6,204,972 | 4,554,093 | 2,138,223 | 6,692,316 | 4,909,808 | 2,270,187 | 7,179,996 | 0.28% | 0.62% | 0.39% | 0.68% | 1.00% | 0.78% | 1.07% | 1.29% | 1.14% |
| 2026 | 4,240,716 | 2,019,350 | 6,260,067 | 4,616,796 | 2,158,706 | 6,775,502 | 4,992,387 | 2,299,273 | 7,291,661 | 0.97% | 0.71% | 0.89% | 1.38% | 0.96% | 1.24% | 1.68% | 1.28% | 1.56% |
| 2027 | 4,285,178 | 2,033,169 | 6,318,347 | 4,680,738 | 2,181,007 | 6,861,745 | 5,076,807 | 2,327,633 | 7,404,441 | 1.05% | 0.68% | 0.93% | 1.38% | 1.03% | 1.27% | 1.69% | 1.23% | 1.55% |
| 2028 | 4,359,212 | 2,048,926 | 6,408,139 | 4,775,331 | 2,203,792 | 6,979,123 | 5,191,695 | 2,357,568 | 7,549,263 | 1.73% | 0.78% | 1.42% | 2.02% | 1.04% | 1.71% | 2.26% | 1.29% | 1.96% |
| 2029 | 4,384,286 | 2,066,501 | 6,450,787 | 4,816,804 | 2,227,184 | 7,043,988 | 5,249,112 | 2,387,745 | 7,636,858 | 0.58% | 0.86% | 0.67% | 0.87% | 1.06% | 0.93% | 1.11% | 1.28% | 1.16% |
| 2030 | 4,427,058 | 2,157,443 | 6,584,502 | 4,877,477 | 2,323,701 | 7,201,178 | 5,326,175 | 2,491,048 | 7,817,223 | 0.98% | 4.40% | 2.07% | 1.26% | 4.33% | 2.23% | 1.47% | 4.33% | 2.36% |
| 2031 | 4,484,071 | 2,176,352 | 6,660,422 | 4,950,782 | 2,349,273 | 7,300,055 | 5,417,056 | 2,522,195 | 7,939,251 | 1.29% | 0.88% | 1.15% | 1.50% | 1.10% | 1.37% | 1.71% | 1.25% | 1.56% |
| 2032 | 4,573,206 | 2,195,866 | 6,769,072 | 5,057,140 | 2,375,331 | 7,432,471 | 5,542,633 | 2,553,706 | 8,096,340 | 1.99% | 0.90% | 1.63% | 2.15% | 1.11% | 1.81% | 2.32% | 1.25% | 1.98% |
| 2033 | 4,607,437 | 2,215,987 | 6,823,425 | 5,103,991 | 2,401,995 | 7,505,986 | 5,601,560 | 2,586,792 | 8,188,352 | 0.75% | 0.92% | 0.80% | 0.93% | 1.12% | 0.99% | 1.06% | 1.30% | 1.14% |
| 2034 | 4,672,971 | 2,237,804 | 6,910,776 | 5,184,583 | 2,429,023 | 7,613,606 | 5,698,051 | 2,619,031 | 8,317,082 | 1.42% | 0.98% | 1.28% | 1.58% | 1.13% | 1.43% | 1.72% | 1.25% | 1.57% |
| 2035 | 4,741,678 | 2,260,228 | 7,001,905 | 5,268,550 | 2,456,657 | 7,725,207 | 5,796,023 | 2,651,755 | 8,447,778 | 1.47% | 1.00% | 1.32% | 1.62% | 1.14% | 1.47% | 1.72% | 1.25% | 1.57% |
| 2036 | 4,841,216 | 2,284,468 | 7,125,684 | 5,386,260 | 2,484,655 | 7,870,915 | 5,930,833 | 2,686,053 | 8,616,886 | 2.10% | 1.07% | 1.77% | 2.23% | 1.14% | 1.89% | 2.33% | 1.29% | 2.00% |
| 2037 | 4,884,965 | 2,307,983 | 7,192,948 | 5,440,351 | 2,514,349 | 7,954,700 | 5,995,309 | 2,720,715 | 8,716,024 | 0.90% | 1.03% | 0.94% | 1.00% | 1.20% | 1.06% | 1.09% | 1.29% | 1.15% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 5,363 | 70,352 | 75,716 | 5,515 | 71,361 | 76,876 | 5,666 | 72,381 | 78,047 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,361 | 71,123 | 76,484 | 5,557 | 72,099 | 77,656 | 5,753 | 73,085 | 78,838 | -0.05% | 1.10% | 1.01% | 0.76% | 1.03% | 1.01% | 1.54% | 0.97% | 1.01% |
| 2020 | 5,370 | 71,926 | 77,295 | 5,600 | 72,880 | 78,480 | 5,831 | 73,845 | 79,675 | 0.17% | 1.13% | 1.06% | 0.78% | 1.08% | 1.06% | 1.35% | 1.04% | 1.06% |
| 2021 | 5,383 | 72,793 | 78,176 | 5,649 | 73,726 | 79,374 | 5,911 | 74,672 | 80,583 | 0.25% | 1.21% | 1.14% | 0.87% | 1.16% | 1.14% | 1.38% | 1.12% | 1.14% |
| 2022 | 5,406 | 73,680 | 79,086 | 5,695 | 74,603 | 80,298 | 5,988 | 75,532 | 81,521 | 0.43% | 1.22% | 1.16% | 0.83% | 1.19% | 1.16% | 1.31% | 1.15% | 1.16% |
| 2023 | 5,432 | 74,608 | 80,040 | 5,747 | 75,519 | 81,266 | 6,066 | 76,438 | 82,504 | 0.47% | 1.26% | 1.21% | 0.90% | 1.23% | 1.21% | 1.29% | 1.20% | 1.21% |
| 2024 | 5,459 | 75,563 | 81,023 | 5,800 | 76,465 | 82,265 | 6,141 | 77,377 | 83,517 | 0.51% | 1.28% | 1.23% | 0.92% | 1.25% | 1.23% | 1.24% | 1.23% | 1.23% |
| 2025 | 5,493 | 76,549 | 82,043 | 5,858 | 77,442 | 83,300 | 6,220 | 78,349 | 84,568 | 0.62% | 1.30% | 1.26% | 1.00% | 1.28% | 1.26% | 1.29% | 1.26% | 1.26% |
| 2026 | 5,532 | 77,606 | 83,138 | 5,914 | 78,498 | 84,412 | 6,299 | 79,398 | 85,698 | 0.71% | 1.38% | 1.34% | 0.96% | 1.36% | 1.34% | 1.28% | 1.34% | 1.34% |
| 2027 | 5,570 | 78,693 | 84,263 | 5,975 | 79,579 | 85,555 | 6,377 | 80,480 | 86,857 | 0.68% | 1.40% | 1.35% | 1.03% | 1.38% | 1.35% | 1.23% | 1.36% | 1.35% |
| 2028 | 5,613 | 79,804 | 85,418 | 6,038 | 80,689 | 86,727 | 6,459 | 81,588 | 88,047 | 0.78% | 1.41% | 1.37% | 1.04% | 1.39% | 1.37% | 1.29% | 1.38% | 1.37% |
| 2029 | 5,662 | 80,947 | 86,609 | 6,102 | 81,834 | 87,936 | 6,542 | 82,733 | 89,275 | 0.86% | 1.43% | 1.39% | 1.06% | 1.42% | 1.39% | 1.28% | 1.40% | 1.39% |
| 2030 | 5,911 | 83,135 | 89,045 | 6,366 | 84,044 | 90,410 | 6,825 | 84,962 | 91,787 | 4.40% | 2.70% | 2.81% | 4.33% | 2.70% | 2.81% | 4.33% | 2.69% | 2.81% |
| 2031 | 5,963 | 84,379 | 90,342 | 6,436 | 85,290 | 91,726 | 6,910 | 86,213 | 93,123 | 0.88% | 1.50% | 1.46% | 1.10% | 1.48% | 1.46% | 1.25% | 1.47% | 1.46% |
| 2032 | 6,016 | 85,644 | 91,660 | 6,508 | 86,557 | 93,064 | 6,996 | 87,485 | 94,482 | 0.90% | 1.50% | 1.46% | 1.11% | 1.49% | 1.46% | 1.25% | 1.48% | 1.46% |
| 2033 | 6,071 | 86,904 | 92,975 | 6,581 | 87,819 | 94,400 | 7,087 | 88,750 | 95,838 | 0.92% | 1.47% | 1.44% | 1.12% | 1.46% | 1.44% | 1.30% | 1.45% | 1.44% |
| 2034 | 6,131 | 88,268 | 94,399 | 6,655 | 89,190 | 95,845 | 7,175 | 90,129 | 97,305 | 0.98% | 1.57% | 1.53% | 1.13% | 1.56% | 1.53% | 1.25% | 1.55% | 1.53% |
| 2035 | 6,192 | 89,612 | 95,805 | 6,731 | 90,542 | 97,273 | 7,265 | 91,489 | 98,754 | 1.00% | 1.52% | 1.49% | 1.14% | 1.52% | 1.49% | 1.25% | 1.51% | 1.49% |
| 2036 | 6,259 | 90,988 | 97,247 | 6,807 | 91,930 | 98,738 | 7,359 | 92,882 | 100,241 | 1.07% | 1.54% | 1.51% | 1.14% | 1.53% | 1.51% | 1.29% | 1.52% | 1.51% |
| 2037 | 6,323 | 92,428 | 98,751 | 6,889 | 93,376 | 100,265 | 7,454 | 94,337 | 101,792 | 1.03% | 1.58% | 1.55% | 1.20% | 1.57% | 1.55% | 1.29% | 1.57% | 1.55% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,709,492 | 3,300,882 | 6,010,373 | 2,842,996 | 3,362,862 | 6,205,858 | 2,976,582 | 3,425,335 | 6,401,916 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,713,971 | 3,292,569 | 6,006,540 | 2,886,016 | 3,378,930 | 6,264,946 | 3,057,981 | 3,464,815 | 6,522,796 | 0.17% | -0.25% | -0.06% | 1.51% | 0.48% | 0.95% | 2.73% | 1.15% | 1.89% |
| 2020 | 2,740,618 | 3,303,517 | 6,044,134 | 2,944,789 | 3,409,155 | 6,353,944 | 3,149,048 | 3,514,781 | 6,663,828 | 0.98% | 0.33% | 0.63% | 2.04% | 0.89% | 1.42% | 2.98% | 1.44% | 2.16% |
| 2021 | 2,749,949 | 3,291,945 | 6,041,894 | 2,980,549 | 3,412,715 | 6,393,264 | 3,211,015 | 3,534,032 | 6,745,047 | 0.34% | -0.35% | -0.04% | 1.21% | 0.10% | 0.62% | 1.97% | 0.55% | 1.22% |
| 2022 | 2,776,807 | 3,295,668 | 6,072,475 | 3,031,595 | 3,430,922 | 6,462,517 | 3,286,399 | 3,565,849 | 6,852,248 | 0.98% | 0.11% | 0.51% | 1.71% | 0.53% | 1.08% | 2.35% | 0.90% | 1.59% |
| 2023 | 2,808,907 | 3,301,911 | 6,110,818 | 3,085,691 | 3,450,282 | 6,535,973 | 3,362,561 | 3,597,776 | 6,960,337 | 1.16% | 0.19% | 0.63% | 1.78% | 0.56% | 1.14% | 2.32% | 0.90% | 1.58% |
| 2024 | 2,857,991 | 3,322,871 | 6,180,861 | 3,156,759 | 3,483,682 | 6,640,441 | 3,455,364 | 3,643,629 | 7,098,993 | 1.75% | 0.63% | 1.15% | 2.30% | 0.97% | 1.60% | 2.76% | 1.27% | 1.99% |
| 2025 | 2,885,516 | 3,319,455 | 6,204,972 | 3,202,135 | 3,490,182 | 6,692,316 | 3,518,851 | 3,661,144 | 7,179,996 | 0.96% | -0.10% | 0.39% | 1.44% | 0.19% | 0.78% | 1.84% | 0.48% | 1.14% |
| 2026 | 2,929,473 | 3,330,593 | 6,260,067 | 3,264,265 | 3,511,238 | 6,775,502 | 3,598,988 | 3,692,672 | 7,291,661 | 1.52% | 0.34% | 0.89% | 1.94% | 0.60% | 1.24% | 2.28% | 0.86% | 1.56% |
| 2027 | 2,977,165 | 3,341,182 | 6,318,347 | 3,328,811 | 3,532,934 | 6,861,745 | 3,680,591 | 3,723,849 | 7,404,441 | 1.63% | 0.32% | 0.93% | 1.98% | 0.62% | 1.27% | 2.27% | 0.84% | 1.55% |
| 2028 | 3,040,915 | 3,367,223 | 6,408,139 | 3,410,464 | 3,568,659 | 6,979,123 | 3,780,141 | 3,769,122 | 7,549,263 | 2.14% | 0.78% | 1.42% | 2.45% | 1.01% | 1.71% | 2.70% | 1.22% | 1.96% |
| 2029 | 3,082,016 | 3,368,771 | 6,450,787 | 3,465,743 | 3,578,245 | 7,043,988 | 3,849,491 | 3,787,367 | 7,636,858 | 1.35% | 0.05% | 0.67% | 1.62% | 0.27% | 0.93% | 1.83% | 0.48% | 1.16% |
| 2030 | 3,139,150 | 3,445,352 | 6,584,502 | 3,538,026 | 3,663,152 | 7,201,178 | 3,936,588 | 3,880,635 | 7,817,223 | 1.85% | 2.27% | 2.07% | 2.09% | 2.37% | 2.23% | 2.26% | 2.46% | 2.36% |
| 2031 | 3,199,364 | 3,461,059 | 6,660,422 | 3,612,541 | 3,687,515 | 7,300,055 | 4,025,781 | 3,913,470 | 7,939,251 | 1.92% | 0.46% | 1.15% | 2.11% | 0.67% | 1.37% | 2.27% | 0.85% | 1.56% |
| 2032 | 3,276,780 | 3,492,293 | 6,769,072 | 3,705,875 | 3,726,597 | 7,432,471 | 4,134,957 | 3,961,383 | 8,096,340 | 2.42% | 0.90% | 1.63% | 2.58% | 1.06% | 1.81% | 2.71% | 1.22% | 1.98% |
| 2033 | 3,327,753 | 3,495,672 | 6,823,425 | 3,768,587 | 3,737,398 | 7,505,986 | 4,209,266 | 3,979,086 | 8,188,352 | 1.56% | 0.10% | 0.80% | 1.69% | 0.29% | 0.99% | 1.80% | 0.45% | 1.14% |
| 2034 | 3,396,305 | 3,514,471 | 6,910,776 | 3,850,209 | 3,763,397 | 7,613,606 | 4,304,074 | 4,013,009 | 8,317,082 | 2.06% | 0.54% | 1.28% | 2.17% | 0.70% | 1.43% | 2.25% | 0.85% | 1.57% |
| 2035 | 3,467,649 | 3,534,257 | 7,001,905 | 3,934,315 | 3,790,892 | 7,725,207 | 4,401,014 | 4,046,764 | 8,447,778 | 2.10% | 0.56% | 1.32% | 2.18% | 0.73% | 1.47% | 2.25% | 0.84% | 1.57% |
| 2036 | 3,557,067 | 3,568,617 | 7,125,684 | 4,038,237 | 3,832,678 | 7,870,915 | 4,519,407 | 4,097,479 | 8,616,886 | 2.58% | 0.97% | 1.77% | 2.64% | 1.10% | 1.89% | 2.69% | 1.25% | 2.00% |
| 2037 | 3,617,488 | 3,575,460 | 7,192,948 | 4,108,790 | 3,845,910 | 7,954,700 | 4,600,047 | 4,115,977 | 8,716,024 | 1.70% | 0.19% | 0.94% | 1.75% | 0.35% | 1.06% | 1.78% | 0.45% | 1.15% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 4,743 | 752 | 5,495 | 4,980 | 771 | 5,752 | 5,218 | 791 | 6,009 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,751 | 749 | 5,501 | 5,056 | 776 | 5,833 | 5,361 | 803 | 6,164 | 0.18% | -0.32% | 0.11% | 1.53% | 0.66% | 1.41% | 2.75% | 1.54% | 2.59% |
| 2020 | 4,777 | 749 | 5,526 | 5,137 | 782 | 5,919 | 5,497 | 814 | 6,311 | 0.54% | -0.08% | 0.46% | 1.60% | 0.67% | 1.48% | 2.54% | 1.38% | 2.39% |
| 2021 | 4,816 | 749 | 5,565 | 5,223 | 787 | 6,010 | 5,631 | 825 | 6,455 | 0.80% | 0.06% | 0.70% | 1.68% | 0.67% | 1.54% | 2.43% | 1.27% | 2.28% |
| 2022 | 4,864 | 751 | 5,614 | 5,314 | 793 | 6,107 | 5,764 | 835 | 6,599 | 1.00% | 0.18% | 0.89% | 1.74% | 0.73% | 1.60% | 2.37% | 1.21% | 2.22% |
| 2023 | 4,920 | 752 | 5,673 | 5,410 | 799 | 6,208 | 5,899 | 844 | 6,743 | 1.17% | 0.26% | 1.05% | 1.80% | 0.76% | 1.66% | 2.33% | 1.19% | 2.19% |
| 2024 | 4,984 | 755 | 5,739 | 5,510 | 805 | 6,314 | 6,035 | 854 | 6,889 | 1.30% | 0.32% | 1.17% | 1.85% | 0.75% | 1.71% | 2.31% | 1.13% | 2.17% |
| 2025 | 5,055 | 758 | 5,813 | 5,615 | 811 | 6,425 | 6,174 | 864 | 7,038 | 1.43% | 0.39% | 1.29% | 1.90% | 0.78% | 1.76% | 2.30% | 1.15% | 2.16% |
| 2026 | 5,133 | 761 | 5,894 | 5,724 | 817 | 6,542 | 6,315 | 874 | 7,189 | 1.54% | 0.46% | 1.40% | 1.95% | 0.81% | 1.81% | 2.29% | 1.13% | 2.15% |
| 2027 | 5,217 | 765 | 5,982 | 5,838 | 824 | 6,662 | 6,460 | 883 | 7,343 | 1.64% | 0.43% | 1.48% | 1.99% | 0.83% | 1.85% | 2.28% | 1.11% | 2.14% |
| 2028 | 5,307 | 769 | 6,076 | 5,957 | 831 | 6,788 | 6,607 | 893 | 7,500 | 1.72% | 0.55% | 1.57% | 2.03% | 0.85% | 1.89% | 2.28% | 1.10% | 2.14% |
| 2029 | 5,403 | 773 | 6,176 | 6,080 | 838 | 6,918 | 6,758 | 903 | 7,661 | 1.80% | 0.59% | 1.64% | 2.07% | 0.85% | 1.92% | 2.28% | 1.11% | 2.14% |
| 2030 | 5,503 | 779 | 6,282 | 6,208 | 846 | 7,054 | 6,911 | 913 | 7,825 | 1.87% | 0.69% | 1.72% | 2.10% | 0.92% | 1.95% | 2.28% | 1.16% | 2.14% |
| 2031 | 5,610 | 783 | 6,393 | 6,339 | 854 | 7,193 | 7,069 | 924 | 7,992 | 1.93% | 0.63% | 1.77% | 2.12% | 0.91% | 1.97% | 2.28% | 1.10% | 2.14% |
| 2032 | 5,721 | 789 | 6,510 | 6,475 | 861 | 7,336 | 7,229 | 934 | 8,163 | 1.98% | 0.69% | 1.82% | 2.14% | 0.89% | 2.00% | 2.27% | 1.10% | 2.14% |
| 2033 | 5,837 | 794 | 6,631 | 6,615 | 869 | 7,484 | 7,393 | 944 | 8,338 | 2.03% | 0.67% | 1.86% | 2.16% | 0.92% | 2.02% | 2.27% | 1.12% | 2.14% |
| 2034 | 5,958 | 800 | 6,758 | 6,759 | 877 | 7,637 | 7,561 | 955 | 8,515 | 2.07% | 0.75% | 1.92% | 2.18% | 0.93% | 2.03% | 2.26% | 1.10% | 2.13% |
| 2035 | 6,083 | 806 | 6,889 | 6,907 | 886 | 7,793 | 7,731 | 965 | 8,696 | 2.10% | 0.75% | 1.94% | 2.19% | 0.96% | 2.05% | 2.26% | 1.08% | 2.12% |
| 2036 | 6,214 | 812 | 7,026 | 7,059 | 894 | 7,953 | 7,905 | 976 | 8,881 | 2.14% | 0.80% | 1.98% | 2.20% | 0.94% | 2.06% | 2.25% | 1.12% | 2.12% |
| 2037 | 6,348 | 819 | 7,167 | 7,215 | 903 | 8,118 | 8,082 | 986 | 9,069 | 2.16% | 0.79% | 2.00% | 2.21% | 0.98% | 2.07% | 2.24% | 1.09% | 2.12% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.93% |
| Medium: | 41.14% |
| Low: | 30.43% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

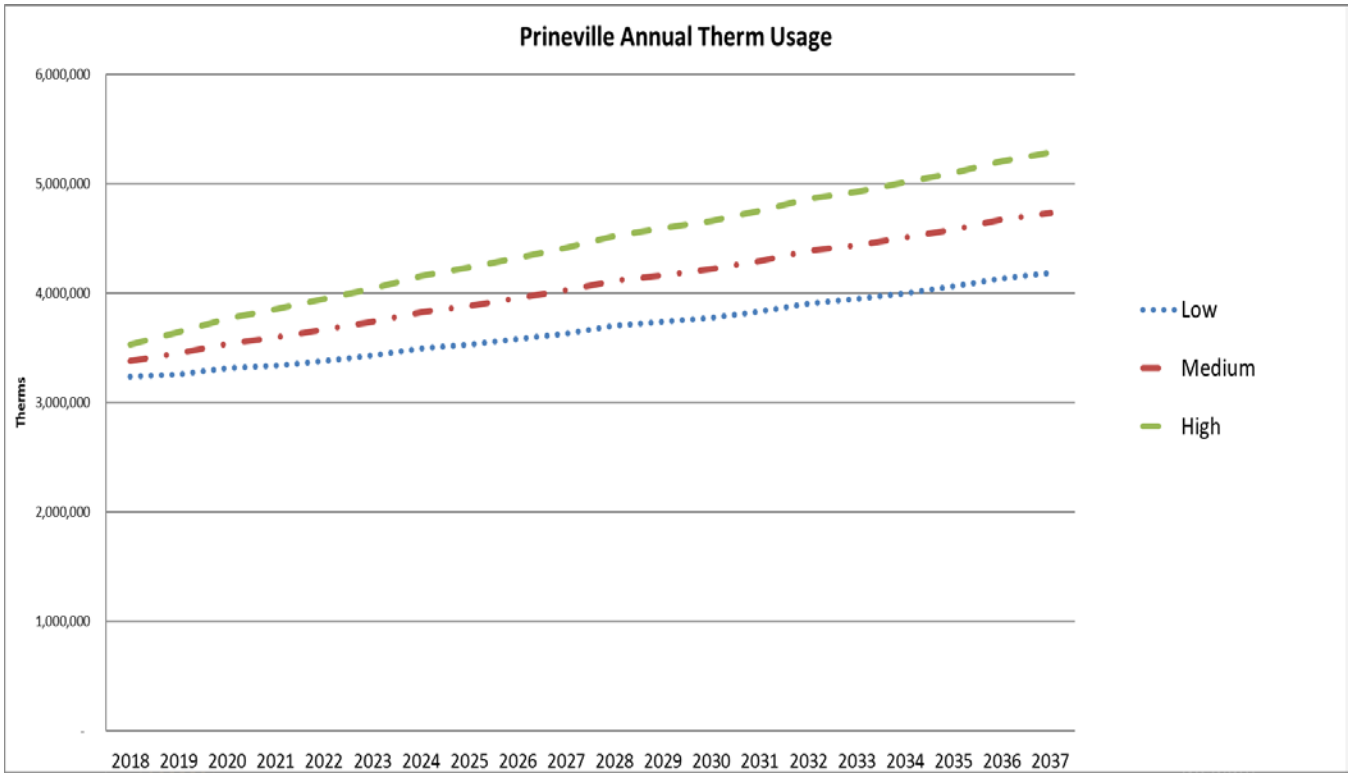
## Prineville

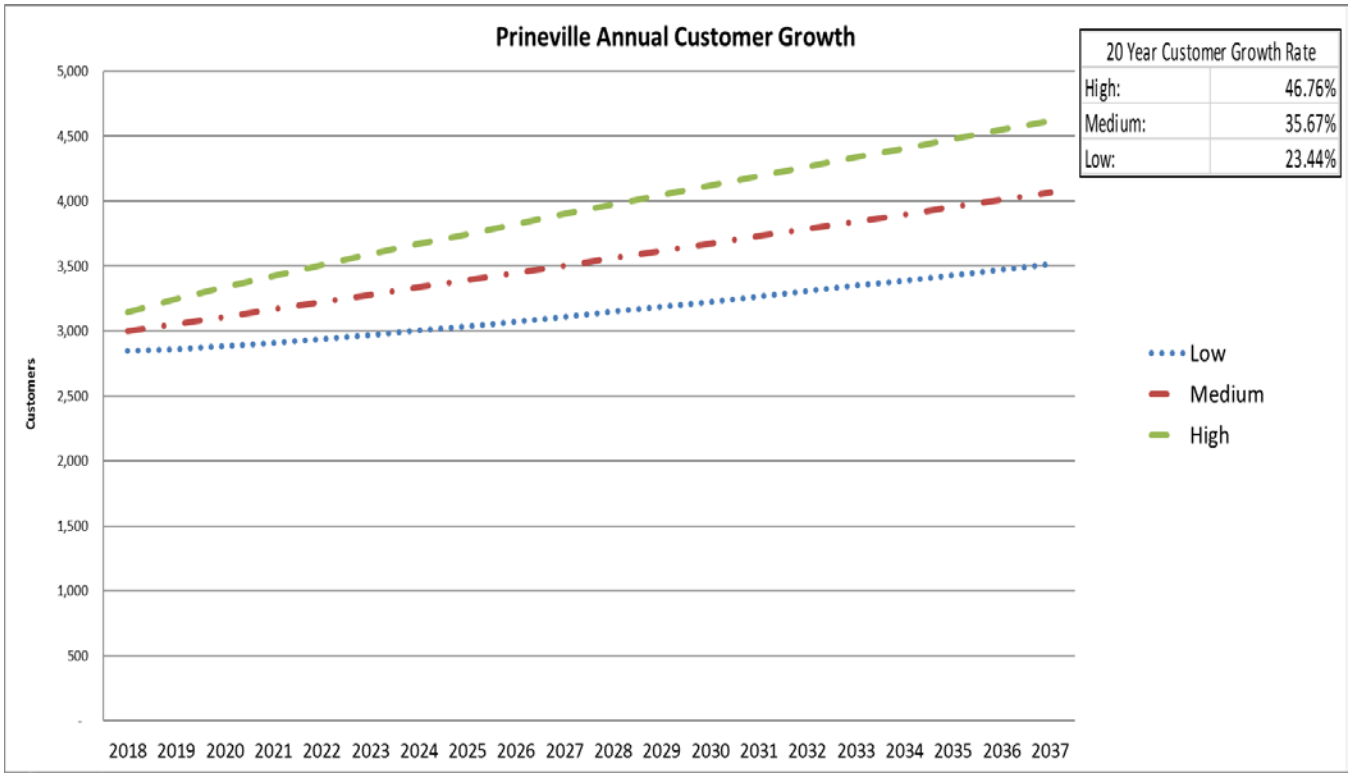
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,345,757 | 888,423 | 3,234,179 | 2,455,310 | 926,602 | 3,381,912 | 2,565,823 | 963,951 | 3,529,774 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,362,330 | 900,309 | 3,262,639 | 2,506,250 | 947,281 | 3,453,531 | 2,649,374 | 994,995 | 3,644,369 | 0.71% | 1.34% | 0.88% | 2.07% | 2.23% | 2.12% | 3.26% | 3.22% | 3.25% |
| 2020 | 2,401,285 | 912,723 | 3,314,008 | 2,571,883 | 968,703 | 3,540,586 | 2,744,566 | 1,023,853 | 3,768,419 | 1.65% | 1.38% | 1.57% | 2.62% | 2.26% | 2.52% | 3.59% | 2.90% | 3.40% |
| 2021 | 2,412,965 | 927,147 | 3,340,112 | 2,606,685 | 990,212 | 3,596,897 | 2,800,432 | 1,052,448 | 3,852,880 | 0.49% | 1.58% | 0.79% | 1.35% | 2.22% | 1.59% | 2.04% | 2.79% | 2.24% |
| 2022 | 2,442,009 | 941,747 | 3,383,756 | 2,656,487 | 1,010,892 | 3,667,379 | 2,869,942 | 1,079,950 | 3,949,892 | 1.20% | 1.57% | 1.31% | 1.91% | 2.09% | 1.96% | 2.48% | 2.61% | 2.52% |
| 2023 | 2,474,521 | 957,352 | 3,431,872 | 2,706,341 | 1,032,314 | 3,738,655 | 2,939,579 | 1,107,276 | 4,046,854 | 1.33% | 1.66% | 1.42% | 1.88% | 2.12% | 1.94% | 2.43% | 2.53% | 2.45% |
| 2024 | 2,524,159 | 973,132 | 3,497,291 | 2,775,766 | 1,052,993 | 3,828,759 | 3,026,911 | 1,133,684 | 4,160,595 | 2.01% | 1.65% | 1.91% | 2.57% | 2.00% | 2.41% | 2.97% | 2.38% | 2.81% |
| 2025 | 2,542,541 | 989,001 | 3,531,542 | 2,808,588 | 1,074,503 | 3,883,091 | 3,074,822 | 1,160,005 | 4,234,827 | 0.73% | 1.63% | 0.98% | 1.18% | 2.04% | 1.42% | 1.58% | 2.32% | 1.78% |
| 2026 | 2,577,455 | 1,005,699 | 3,583,154 | 2,858,820 | 1,095,924 | 3,954,745 | 3,140,788 | 1,185,320 | 4,326,108 | 1.37% | 1.69% | 1.46% | 1.79% | 1.99% | 1.85% | 2.15% | 2.18% | 2.16% |
| 2027 | 2,613,926 | 1,021,743 | 3,635,668 | 2,909,758 | 1,116,604 | 4,026,363 | 3,205,963 | 1,211,466 | 4,417,429 | 1.41% | 1.60% | 1.47% | 1.78% | 1.89% | 1.81% | 2.08% | 2.21% | 2.11% |
| 2028 | 2,664,942 | 1,038,616 | 3,703,559 | 2,975,717 | 1,138,114 | 4,113,830 | 3,288,019 | 1,236,693 | 4,524,712 | 1.95% | 1.65% | 1.87% | 2.27% | 1.93% | 2.17% | 2.56% | 2.08% | 2.43% |
| 2029 | 2,687,399 | 1,055,578 | 3,742,977 | 3,010,446 | 1,158,705 | 4,169,152 | 3,333,650 | 1,261,921 | 4,595,571 | 0.84% | 1.63% | 1.06% | 1.17% | 1.81% | 1.34% | 1.39% | 2.04% | 1.57% |
| 2030 | 2,715,225 | 1,064,937 | 3,780,162 | 3,051,131 | 1,171,783 | 4,222,913 | 3,386,704 | 1,278,629 | 4,665,332 | 1.04% | 0.89% | 0.99% | 1.35% | 1.13% | 1.29% | 1.59% | 1.32% | 1.52% |
| 2031 | 2,753,161 | 1,081,986 | 3,835,147 | 3,101,596 | 1,193,205 | 4,294,801 | 3,449,685 | 1,303,681 | 4,753,365 | 1.40% | 1.60% | 1.45% | 1.65% | 1.83% | 1.70% | 1.86% | 1.96% | 1.89% |
| 2032 | 2,809,955 | 1,099,035 | 3,908,990 | 3,172,213 | 1,213,884 | 4,386,097 | 3,534,148 | 1,328,733 | 4,862,881 | 2.06% | 1.58% | 1.93% | 2.28% | 1.73% | 2.13% | 2.45% | 1.92% | 2.30% |
| 2033 | 2,829,490 | 1,116,915 | 3,946,404 | 3,200,588 | 1,235,394 | 4,435,982 | 3,571,919 | 1,353,785 | 4,925,704 | 0.70% | 1.63% | 0.96% | 0.89% | 1.77% | 1.14% | 1.07% | 1.89% | 1.29% |
| 2034 | 2,868,669 | 1,134,881 | 4,003,550 | 3,251,748 | 1,255,985 | 4,507,734 | 3,634,098 | 1,377,919 | 5,012,017 | 1.38% | 1.61% | 1.45% | 1.60% | 1.67% | 1.62% | 1.74% | 1.78% | 1.75% |
| 2035 | 2,910,251 | 1,152,106 | 4,062,357 | 3,303,694 | 1,277,495 | 4,581,188 | 3,696,230 | 1,402,884 | 5,099,114 | 1.45% | 1.52% | 1.47% | 1.60% | 1.71% | 1.63% | 1.71% | 1.81% | 1.74% |
| 2036 | 2,969,011 | 1,170,073 | 4,139,084 | 3,374,871 | 1,299,004 | 4,673,875 | 3,781,612 | 1,427,018 | 5,208,630 | 2.02% | 1.56% | 1.89% | 2.15% | 1.68% | 2.02% | 2.31% | 1.72% | 2.15% |
| 2037 | 3,000,966 | 1,188,127 | 4,189,094 | 3,416,891 | 1,319,596 | 4,736,487 | 3,832,285 | 1,451,982 | 5,284,267 | 1.08% | 1.54% | 1.21% | 1.25% | 1.59% | 1.34% | 1.34% | 1.75% | 1.45% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 2,434 | 33,969 | 36,403 | 2,539 | 34,422 | 36,961 | 2,641 | 34,883 | 37,523 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,467 | 34,633 | 37,100 | 2,595 | 35,073 | 37,668 | 2,726 | 35,516 | 38,242 | 1.34% | 1.96% | 1.91% | 2.23% | 1.89% | 1.91% | 3.22% | 1.82% | 1.91% |
| 2020 | 2,501 | 35,325 | 37,825 | 2,654 | 35,751 | 38,405 | 2,805 | 36,185 | 38,990 | 1.38% | 2.00% | 1.96% | 2.26% | 1.93% | 1.96% | 2.90% | 1.88% | 1.96% |
| 2021 | 2,540 | 35,982 | 38,522 | 2,713 | 36,400 | 39,112 | 2,883 | 36,825 | 39,708 | 1.58% | 1.86% | 1.84% | 2.22% | 1.81% | 1.84% | 2.79% | 1.77% | 1.84% |
| 2022 | 2,580 | 36,667 | 39,248 | 2,770 | 37,080 | 39,849 | 2,959 | 37,497 | 40,456 | 1.57% | 1.91% | 1.88% | 2.09% | 1.87% | 1.88% | 2.61% | 1.83% | 1.88% |
| 2023 | 2,623 | 37,357 | 39,979 | 2,828 | 37,764 | 40,592 | 3,034 | 38,177 | 41,210 | 1.66% | 1.88% | 1.86% | 2.12% | 1.85% | 1.86% | 2.53% | 1.81% | 1.86% |
| 2024 | 2,666 | 38,010 | 40,676 | 2,885 | 38,415 | 41,300 | 3,106 | 38,823 | 41,929 | 1.65% | 1.75% | 1.74% | 2.00% | 1.72% | 1.74% | 2.38% | 1.69% | 1.74% |
| 2025 | 2,710 | 38,692 | 41,402 | 2,944 | 39,092 | 42,036 | 3,178 | 39,498 | 42,676 | 1.63% | 1.79% | 1.78% | 2.04% | 1.76% | 1.78% | 2.32% | 1.74% | 1.78% |
| 2026 | 2,755 | 39,378 | 42,134 | 3,003 | 39,777 | 42,779 | 3,247 | 40,183 | 43,431 | 1.69% | 1.77% | 1.77% | 1.99% | 1.75% | 1.77% | 2.18% | 1.73% | 1.77% |
| 2027 | 2,799 | 40,025 | 42,824 | 3,059 | 40,421 | 43,481 | 3,319 | 40,824 | 44,143 | 1.60% | 1.64% | 1.64% | 1.89% | 1.62% | 1.64% | 2.21% | 1.59% | 1.64% |
| 2028 | 2,846 | 40,710 | 43,556 | 3,118 | 41,105 | 44,224 | 3,388 | 41,509 | 44,897 | 1.65% | 1.71% | 1.71% | 1.93% | 1.69% | 1.71% | 2.08% | 1.68% | 1.71% |
| 2029 | 2,892 | 41,361 | 44,253 | 3,175 | 41,757 | 44,931 | 3,457 | 42,158 | 45,615 | 1.63% | 1.60% | 1.60% | 1.81% | 1.58% | 1.60% | 2.04% | 1.56% | 1.60% |
| 2030 | 2,918 | 41,995 | 44,912 | 3,210 | 42,390 | 45,601 | 3,503 | 42,792 | 46,295 | 0.89% | 1.53% | 1.49% | 1.13% | 1.52% | 1.49% | 1.32% | 1.50% | 1.49% |
| 2031 | 2,964 | 42,680 | 45,644 | 3,269 | 43,075 | 46,344 | 3,572 | 43,478 | 47,049 | 1.60% | 1.63% | 1.63% | 1.83% | 1.61% | 1.63% | 1.96% | 1.60% | 1.63% |
| 2032 | 3,011 | 43,324 | 46,335 | 3,326 | 43,719 | 47,045 | 3,640 | 44,121 | 47,761 | 1.58% | 1.51% | 1.51% | 1.73% | 1.50% | 1.51% | 1.92% | 1.48% | 1.51% |
| 2033 | 3,060 | 44,007 | 47,067 | 3,385 | 44,403 | 47,788 | 3,709 | 44,807 | 48,516 | 1.63% | 1.58% | 1.58% | 1.77% | 1.56% | 1.58% | 1.89% | 1.55% | 1.58% |
| 2034 | 3,109 | 44,648 | 47,757 | 3,441 | 45,048 | 48,489 | 3,775 | 45,452 | 49,228 | 1.61% | 1.46% | 1.47% | 1.67% | 1.45% | 1.47% | 1.78% | 1.44% | 1.47% |
| 2035 | 3,156 | 45,333 | 48,489 | 3,500 | 45,732 | 49,232 | 3,844 | 46,138 | 49,982 | 1.52% | 1.53% | 1.53% | 1.71% | 1.52% | 1.53% | 1.81% | 1.51% | 1.53% |
| 2036 | 3,206 | 46,015 | 49,221 | 3,559 | 46,416 | 49,975 | 3,910 | 46,827 | 50,736 | 1.56% | 1.51% | 1.51% | 1.68% | 1.50% | 1.51% | 1.72% | 1.49% | 1.51% |
| 2037 | 3,255 | 46,656 | 49,911 | 3,615 | 47,061 | 50,676 | 3,978 | 47,470 | 51,448 | 1.54% | 1.39% | 1.40% | 1.59% | 1.39% | 1.40% | 1.75% | 1.37% | 1.40% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,189,679 | 2,044,500 | 3,234,179 | 1,248,910 | 2,133,002 | 3,381,912 | 1,308,198 | 2,221,576 | 3,529,774 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,194,493 | 2,068,146 | 3,262,639 | 1,271,754 | 2,181,777 | 3,453,531 | 1,348,806 | 2,295,563 | 3,644,369 | 0.40% | 1.16% | 0.88% | 1.83% | 2.29% | 2.12% | 3.10% | 3.33% | 3.25% |
| 2020 | 1,208,453 | 2,105,555 | 3,314,008 | 1,300,580 | 2,240,005 | 3,540,586 | 1,392,642 | 2,375,777 | 3,768,419 | 1.17% | 1.81% | 1.57% | 2.27% | 2.67% | 2.52% | 3.25% | 3.49% | 3.40% |
| 2021 | 1,213,018 | 2,127,095 | 3,340,112 | 1,317,166 | 2,279,731 | 3,596,897 | 1,421,247 | 2,431,633 | 3,852,880 | 0.38% | 1.02% | 0.79% | 1.28% | 1.77% | 1.59% | 2.05% | 2.35% | 2.24% |
| 2022 | 1,224,311 | 2,159,445 | 3,383,756 | 1,339,538 | 2,327,841 | 3,667,379 | 1,454,639 | 2,495,253 | 3,949,892 | 0.93% | 1.52% | 1.31% | 1.70% | 2.11% | 1.96% | 2.35% | 2.62% | 2.52% |
| 2023 | 1,237,011 | 2,194,861 | 3,431,872 | 1,362,241 | 2,376,414 | 3,738,655 | 1,487,433 | 2,559,421 | 4,046,854 | 1.04% | 1.64% | 1.42% | 1.69% | 2.09% | 1.94% | 2.25% | 2.57% | 2.45% |
| 2024 | 1,256,792 | 2,240,499 | 3,497,291 | 1,392,048 | 2,436,710 | 3,828,759 | 1,527,217 | 2,633,378 | 4,160,595 | 1.60% | 2.08% | 1.91% | 2.19% | 2.54% | 2.41% | 2.67% | 2.89% | 2.81% |
| 2025 | 1,264,742 | 2,266,800 | 3,531,542 | 1,408,145 | 2,474,946 | 3,883,091 | 1,551,568 | 2,683,259 | 4,234,827 | 0.63% | 1.17% | 0.98% | 1.16% | 1.57% | 1.42% | 1.59% | 1.89% | 1.78% |
| 2026 | 1,279,248 | 2,303,906 | 3,583,154 | 1,430,873 | 2,523,872 | 3,954,745 | 1,582,416 | 2,743,692 | 4,326,108 | 1.15% | 1.64% | 1.46% | 1.61% | 1.98% | 1.85% | 1.99% | 2.25% | 2.16% |
| 2027 | 1,294,249 | 2,341,419 | 3,635,668 | 1,453,640 | 2,572,723 | 4,026,363 | 1,613,077 | 2,804,352 | 4,417,429 | 1.17% | 1.63% | 1.47% | 1.59% | 1.94% | 1.81% | 1.94% | 2.21% | 2.11% |
| 2028 | 1,315,073 | 2,388,485 | 3,703,559 | 1,482,512 | 2,631,318 | 4,113,830 | 1,650,128 | 2,874,584 | 4,524,712 | 1.61% | 2.01% | 1.87% | 1.99% | 2.28% | 2.17% | 2.30% | 2.50% | 2.43% |
| 2029 | 1,325,144 | 2,417,832 | 3,742,977 | 1,499,081 | 2,670,071 | 4,169,152 | 1,673,101 | 2,922,470 | 4,595,571 | 0.77% | 1.23% | 1.06% | 1.12% | 1.47% | 1.34% | 1.39% | 1.67% | 1.57% |
| 2030 | 1,341,040 | 2,439,122 | 3,780,162 | 1,521,865 | 2,701,049 | 4,222,913 | 1,702,689 | 2,962,643 | 4,665,332 | 1.20% | 0.88% | 0.99% | 1.52% | 1.16% | 1.29% | 1.77% | 1.37% | 1.52% |
| 2031 | 1,357,273 | 2,477,874 | 3,835,147 | 1,544,693 | 2,750,108 | 4,294,801 | 1,732,081 | 3,021,284 | 4,753,365 | 1.21% | 1.59% | 1.45% | 1.50% | 1.82% | 1.70% | 1.73% | 1.98% | 1.89% |
| 2032 | 1,380,139 | 2,528,851 | 3,908,990 | 1,574,911 | 2,811,186 | 4,386,097 | 1,769,468 | 3,093,413 | 4,862,881 | 1.68% | 2.06% | 1.93% | 1.96% | 2.22% | 2.13% | 2.16% | 2.39% | 2.30% |
| 2033 | 1,389,764 | 2,556,641 | 3,946,404 | 1,589,670 | 2,846,311 | 4,435,982 | 1,789,500 | 3,136,203 | 4,925,704 | 0.70% | 1.10% | 0.96% | 0.94% | 1.25% | 1.14% | 1.13% | 1.38% | 1.29% |
| 2034 | 1,406,515 | 2,597,035 | 4,003,550 | 1,612,354 | 2,895,379 | 4,507,734 | 1,818,239 | 3,193,778 | 5,012,017 | 1.21% | 1.58% | 1.45% | 1.43% | 1.72% | 1.62% | 1.61% | 1.84% | 1.75% |
| 2035 | 1,423,953 | 2,638,404 | 4,062,357 | 1,635,623 | 2,945,565 | 4,581,188 | 1,847,474 | 3,251,640 | 5,099,114 | 1.24% | 1.59% | 1.47% | 1.44% | 1.73% | 1.63% | 1.61% | 1.81% | 1.74% |
| 2036 | 1,447,853 | 2,691,231 | 4,139,084 | 1,666,315 | 3,007,560 | 4,673,875 | 1,884,761 | 3,323,869 | 5,208,630 | 1.68% | 2.00% | 1.89% | 1.88% | 2.10% | 2.02% | 2.02% | 2.22% | 2.15% |
| 2037 | 1,458,216 | 2,730,877 | 4,189,094 | 1,681,129 | 3,055,358 | 4,736,487 | 1,903,999 | 3,380,268 | 5,284,267 | 0.72% | 1.47% | 1.21% | 0.89% | 1.59% | 1.34% | 1.02% | 1.70% | 1.45% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,325 | 525 | 2,850 | 2,442 | 556 | 2,999 | 2,560 | 587 | 3,148 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,335 | 528 | 2,863 | 2,487 | 568 | 3,055 | 2,640 | 608 | 3,247 | 0.43% | 0.59% | 0.46% | 1.84% | 2.10% | 1.89% | 3.11% | 3.46% | 3.17% |
| 2020 | 2,351 | 533 | 2,884 | 2,532 | 579 | 3,111 | 2,713 | 626 | 3,339 | 0.70% | 0.82% | 0.72% | 1.80% | 2.00% | 1.83% | 2.77% | 3.07% | 2.83% |
| 2021 | 2,371 | 538 | 2,909 | 2,577 | 591 | 3,168 | 2,782 | 644 | 3,426 | 0.86% | 1.03% | 0.90% | 1.76% | 2.06% | 1.82% | 2.55% | 2.83% | 2.60% |
| 2022 | 2,394 | 544 | 2,939 | 2,622 | 603 | 3,224 | 2,849 | 661 | 3,509 | 0.97% | 1.13% | 1.00% | 1.74% | 1.95% | 1.78% | 2.39% | 2.64% | 2.43% |
| 2023 | 2,419 | 551 | 2,970 | 2,666 | 614 | 3,280 | 2,913 | 678 | 3,591 | 1.04% | 1.27% | 1.08% | 1.70% | 1.92% | 1.74% | 2.26% | 2.56% | 2.32% |
| 2024 | 2,446 | 558 | 3,004 | 2,711 | 626 | 3,337 | 2,976 | 694 | 3,670 | 1.10% | 1.24% | 1.13% | 1.68% | 1.90% | 1.72% | 2.17% | 2.36% | 2.20% |
| 2025 | 2,473 | 565 | 3,039 | 2,756 | 637 | 3,393 | 3,038 | 710 | 3,748 | 1.12% | 1.30% | 1.16% | 1.65% | 1.84% | 1.69% | 2.08% | 2.31% | 2.13% |
| 2026 | 2,502 | 573 | 3,075 | 2,800 | 649 | 3,450 | 3,099 | 725 | 3,824 | 1.15% | 1.34% | 1.18% | 1.62% | 1.84% | 1.67% | 2.00% | 2.20% | 2.04% |
| 2027 | 2,531 | 580 | 3,112 | 2,845 | 661 | 3,506 | 3,159 | 741 | 3,900 | 1.18% | 1.32% | 1.21% | 1.60% | 1.77% | 1.63% | 1.94% | 2.16% | 1.99% |
| 2028 | 2,561 | 588 | 3,150 | 2,890 | 672 | 3,562 | 3,219 | 756 | 3,975 | 1.19% | 1.36% | 1.22% | 1.57% | 1.75% | 1.61% | 1.88% | 2.06% | 1.91% |
| 2029 | 2,592 | 596 | 3,188 | 2,935 | 684 | 3,618 | 3,277 | 771 | 4,049 | 1.20% | 1.36% | 1.23% | 1.54% | 1.74% | 1.58% | 1.82% | 1.99% | 1.86% |
| 2030 | 2,623 | 604 | 3,227 | 2,979 | 695 | 3,674 | 3,335 | 785 | 4,121 | 1.21% | 1.23% | 1.21% | 1.53% | 1.55% | 1.53% | 1.77% | 1.80% | 1.78% |
| 2031 | 2,655 | 612 | 3,267 | 3,024 | 706 | 3,730 | 3,393 | 800 | 4,193 | 1.22% | 1.35% | 1.24% | 1.50% | 1.69% | 1.54% | 1.73% | 1.91% | 1.77% |
| 2032 | 2,687 | 620 | 3,308 | 3,069 | 718 | 3,787 | 3,450 | 815 | 4,266 | 1.21% | 1.38% | 1.24% | 1.48% | 1.63% | 1.51% | 1.68% | 1.86% | 1.72% |
| 2033 | 2,720 | 629 | 3,349 | 3,114 | 729 | 3,843 | 3,507 | 830 | 4,337 | 1.22% | 1.37% | 1.24% | 1.46% | 1.60% | 1.49% | 1.65% | 1.79% | 1.68% |
| 2034 | 2,753 | 638 | 3,391 | 3,158 | 741 | 3,899 | 3,564 | 844 | 4,408 | 1.21% | 1.39% | 1.25% | 1.43% | 1.61% | 1.47% | 1.61% | 1.76% | 1.64% |
| 2035 | 2,786 | 646 | 3,433 | 3,203 | 753 | 3,956 | 3,620 | 859 | 4,479 | 1.21% | 1.36% | 1.24% | 1.42% | 1.56% | 1.44% | 1.58% | 1.72% | 1.61% |
| 2036 | 2,820 | 655 | 3,475 | 3,248 | 764 | 4,012 | 3,676 | 873 | 4,549 | 1.21% | 1.37% | 1.24% | 1.40% | 1.55% | 1.43% | 1.54% | 1.69% | 1.57% |
| 2037 | 2,854 | 664 | 3,518 | 3,293 | 776 | 4,068 | 3,731 | 888 | 4,619 | 1.20% | 1.35% | 1.23% | 1.38% | 1.52% | 1.40% | 1.51% | 1.65% | 1.54% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 46.76% |
| Medium: | 35.67% |
| Low: | 23.44% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

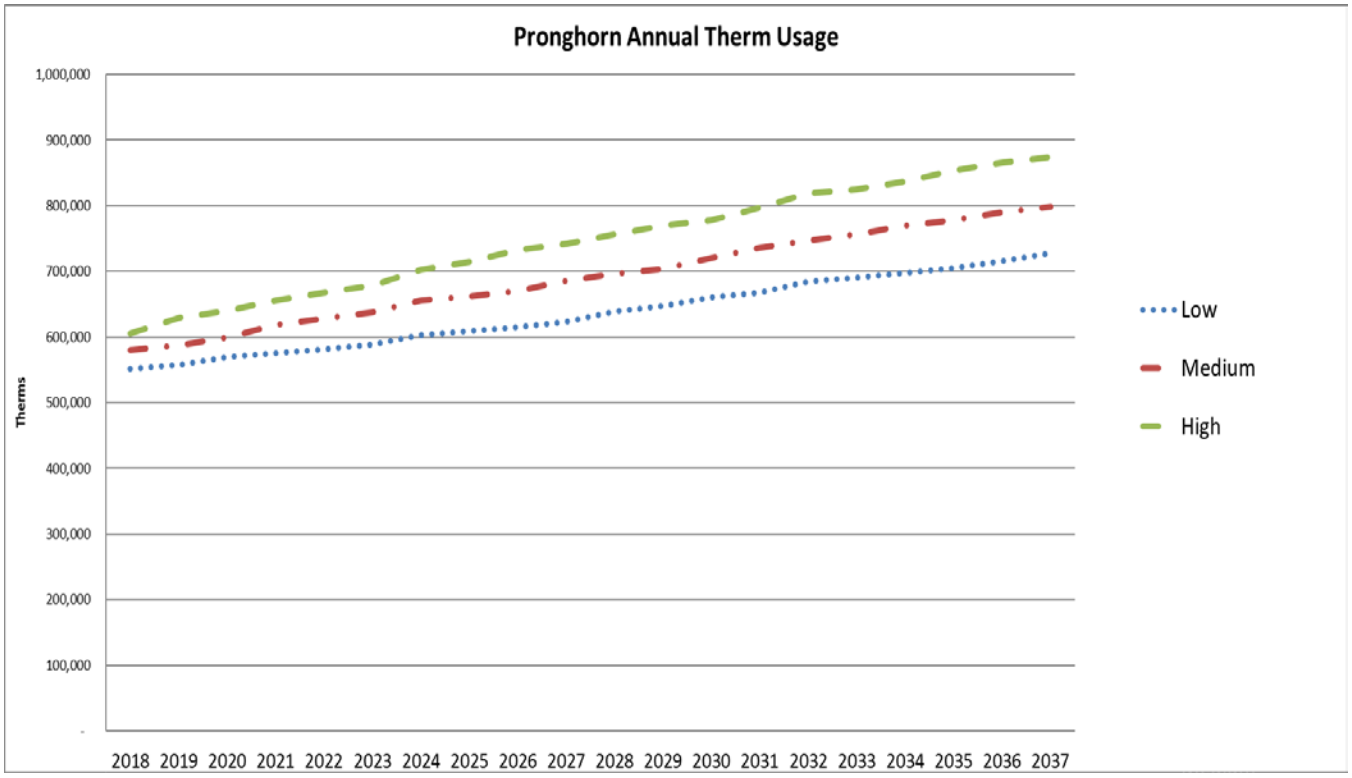
## Pronghorn

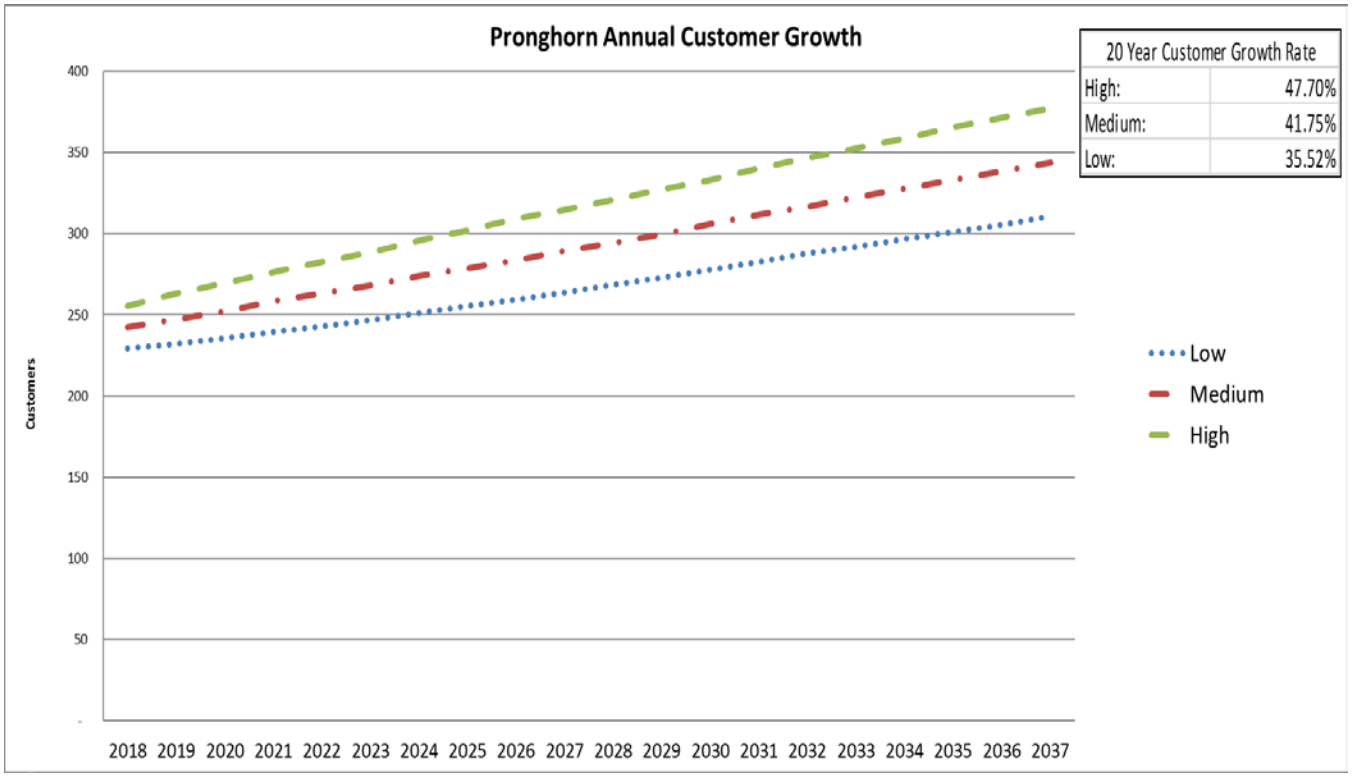
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 249,027 | 303,050 | 552,077 | 260,762 | 319,232 | 579,994 | 275,995 | 329,600 | 605,595 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 252,352 | 305,442 | 557,795 | 264,775 | 323,220 | 587,995 | 283,048 | 346,015 | 629,063 | 1.34% | 0.79% | 1.04% | 1.54% | 1.25% | 1.38% | 2.56% | 4.98% | 3.88% |
| 2020 | 260,567 | 308,632 | 569,199 | 272,783 | 327,207 | 599,990 | 289,306 | 351,597 | 640,904 | 3.26% | 1.04% | 2.04% | 3.02% | 1.23% | 2.04% | 2.21% | 1.61% | 1.88% |
| 2021 | 259,223 | 316,840 | 576,063 | 282,585 | 336,212 | 618,798 | 294,030 | 362,198 | 656,227 | -0.52% | 2.66% | 1.21% | 3.59% | 2.75% | 3.13% | 1.63% | 3.01% | 2.39% |
| 2022 | 262,452 | 319,232 | 581,685 | 282,897 | 346,015 | 628,912 | 300,371 | 366,982 | 667,353 | 1.25% | 0.76% | 0.98% | 0.11% | 2.92% | 1.63% | 2.16% | 1.32% | 1.70% |
| 2023 | 265,387 | 323,220 | 588,607 | 287,645 | 350,003 | 637,648 | 307,010 | 371,767 | 678,778 | 1.12% | 1.25% | 1.19% | 1.68% | 1.15% | 1.39% | 2.21% | 1.30% | 1.71% |
| 2024 | 277,402 | 325,612 | 603,014 | 296,456 | 359,805 | 656,262 | 320,445 | 382,367 | 702,812 | 4.53% | 0.74% | 2.45% | 3.06% | 2.80% | 2.92% | 4.38% | 2.85% | 3.54% |
| 2025 | 274,340 | 334,618 | 608,957 | 297,625 | 363,793 | 661,418 | 322,835 | 392,170 | 715,005 | -1.10% | 2.77% | 0.99% | 0.39% | 1.11% | 0.79% | 0.75% | 2.56% | 1.73% |
| 2026 | 277,440 | 337,807 | 615,247 | 303,368 | 366,982 | 670,350 | 329,028 | 403,568 | 732,596 | 1.13% | 0.95% | 1.03% | 1.93% | 0.88% | 1.35% | 1.92% | 2.91% | 2.46% |
| 2027 | 281,983 | 340,997 | 622,981 | 308,492 | 377,583 | 686,075 | 334,274 | 407,555 | 741,829 | 1.64% | 0.94% | 1.26% | 1.69% | 2.89% | 2.35% | 1.59% | 0.99% | 1.26% |
| 2028 | 294,970 | 344,187 | 639,157 | 315,732 | 380,773 | 696,504 | 344,232 | 412,340 | 756,572 | 4.61% | 0.94% | 2.60% | 2.35% | 0.84% | 1.52% | 2.98% | 1.17% | 1.99% |
| 2029 | 294,341 | 353,192 | 647,534 | 318,009 | 385,557 | 703,566 | 346,326 | 422,940 | 769,266 | -0.21% | 2.62% | 1.31% | 0.72% | 1.26% | 1.01% | 0.61% | 2.57% | 1.68% |
| 2030 | 297,302 | 362,995 | 660,298 | 325,814 | 395,360 | 721,174 | 351,705 | 426,928 | 778,633 | 1.01% | 2.78% | 1.97% | 2.45% | 2.54% | 2.50% | 1.55% | 0.94% | 1.22% |
| 2031 | 300,397 | 366,982 | 667,380 | 331,242 | 405,163 | 736,405 | 365,366 | 432,510 | 797,876 | 1.04% | 1.10% | 1.07% | 1.67% | 2.48% | 2.11% | 3.88% | 1.31% | 2.47% |
| 2032 | 315,235 | 369,375 | 684,610 | 338,399 | 409,150 | 747,549 | 369,739 | 448,925 | 818,664 | 4.94% | 0.65% | 2.58% | 2.16% | 0.98% | 1.51% | 1.20% | 3.80% | 2.61% |
| 2033 | 311,247 | 379,178 | 690,425 | 343,271 | 413,138 | 756,409 | 371,231 | 453,710 | 824,941 | -1.27% | 2.65% | 0.85% | 1.44% | 0.97% | 1.19% | 0.40% | 1.07% | 0.77% |
| 2034 | 314,384 | 383,165 | 697,549 | 346,627 | 423,738 | 770,365 | 378,914 | 458,495 | 837,409 | 1.01% | 1.05% | 1.03% | 0.98% | 2.57% | 1.85% | 2.07% | 1.05% | 1.51% |
| 2035 | 318,347 | 386,355 | 704,702 | 351,808 | 426,928 | 778,735 | 384,038 | 469,095 | 853,133 | 1.26% | 0.83% | 1.03% | 1.49% | 0.75% | 1.09% | 1.35% | 2.31% | 1.88% |
| 2036 | 326,083 | 389,545 | 715,628 | 358,441 | 431,712 | 790,153 | 392,233 | 473,083 | 865,316 | 2.43% | 0.83% | 1.55% | 1.89% | 1.12% | 1.47% | 2.13% | 0.85% | 1.43% |
| 2037 | 333,730 | 393,532 | 727,263 | 362,571 | 435,700 | 798,271 | 396,610 | 477,867 | 874,477 | 2.35% | 1.02% | 1.63% | 1.15% | 0.92% | 1.03% | 1.12% | 1.01% | 1.06% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 830 | 4,965 | 5,796 | 875 | 5,010 | 5,884 | 903 | 5,071 | 5,974 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 837 | 5,025 | 5,861 | 886 | 5,066 | 5,951 | 948 | 5,094 | 6,042 | 0.79% | 1.19% | 1.13% | 1.25% | 1.11% | 1.13% | 4.98% | 0.45% | 1.13% |
| 2020 | 846 | 5,098 | 5,944 | 896 | 5,138 | 6,035 | 963 | 5,163 | 6,127 | 1.04% | 1.46% | 1.40% | 1.23% | 1.43% | 1.40% | 1.61% | 1.36% | 1.40% |
| 2021 | 868 | 5,316 | 6,185 | 921 | 5,358 | 6,279 | 992 | 5,383 | 6,375 | 2.66% | 4.29% | 4.05% | 2.75% | 4.28% | 4.05% | 3.01% | 4.25% | 4.05% |
| 2022 | 875 | 5,392 | 6,267 | 948 | 5,415 | 6,363 | 1,005 | 5,454 | 6,460 | 0.76% | 1.42% | 1.33% | 2.92% | 1.06% | 1.33% | 1.32% | 1.33% | 1.33% |
| 2023 | 886 | 5,526 | 6,412 | 959 | 5,551 | 6,510 | 1,019 | 5,591 | 6,609 | 1.25% | 2.49% | 2.32% | 1.15% | 2.52% | 2.32% | 1.30% | 2.50% | 2.32% |
| 2024 | 892 | 5,618 | 6,510 | 986 | 5,624 | 6,610 | 1,048 | 5,663 | 6,711 | 0.74% | 1.67% | 1.54% | 2.80% | 1.32% | 1.54% | 2.85% | 1.30% | 1.54% |
| 2025 | 917 | 5,659 | 6,576 | 997 | 5,680 | 6,677 | 1,074 | 5,704 | 6,779 | 2.77% | 0.73% | 1.01% | 1.11% | 0.99% | 1.01% | 2.56% | 0.72% | 1.01% |
| 2026 | 925 | 5,829 | 6,754 | 1,005 | 5,852 | 6,858 | 1,106 | 5,857 | 6,962 | 0.95% | 2.99% | 2.71% | 0.88% | 3.03% | 2.71% | 2.91% | 2.67% | 2.71% |
| 2027 | 934 | 5,886 | 6,820 | 1,034 | 5,890 | 6,925 | 1,117 | 5,913 | 7,030 | 0.94% | 0.98% | 0.97% | 2.89% | 0.64% | 0.97% | 0.99% | 0.97% | 0.97% |
| 2028 | 943 | 5,976 | 6,919 | 1,043 | 5,981 | 7,025 | 1,130 | 6,002 | 7,132 | 0.94% | 1.53% | 1.45% | 0.84% | 1.55% | 1.45% | 1.17% | 1.50% | 1.45% |
| 2029 | 968 | 6,113 | 7,080 | 1,056 | 6,132 | 7,189 | 1,159 | 6,139 | 7,298 | 2.62% | 2.29% | 2.34% | 1.26% | 2.52% | 2.34% | 2.57% | 2.29% | 2.34% |
| 2030 | 995 | 6,168 | 7,162 | 1,083 | 6,189 | 7,272 | 1,170 | 6,213 | 7,383 | 2.78% | 0.91% | 1.16% | 2.54% | 0.92% | 1.16% | 0.94% | 1.20% | 1.16% |
| 2031 | 1,005 | 6,319 | 7,324 | 1,110 | 6,326 | 7,436 | 1,185 | 6,364 | 7,549 | 1.10% | 2.44% | 2.26% | 2.48% | 2.22% | 2.26% | 1.31% | 2.43% | 2.26% |
| 2032 | 1,012 | 6,394 | 7,406 | 1,121 | 6,399 | 7,520 | 1,230 | 6,404 | 7,634 | 0.65% | 1.20% | 1.12% | 0.98% | 1.15% | 1.12% | 3.80% | 0.62% | 1.12% |
| 2033 | 1,039 | 6,529 | 7,568 | 1,132 | 6,552 | 7,684 | 1,243 | 6,558 | 7,801 | 2.65% | 2.11% | 2.18% | 0.97% | 2.39% | 2.18% | 1.07% | 2.40% | 2.18% |
| 2034 | 1,050 | 6,600 | 7,650 | 1,161 | 6,606 | 7,767 | 1,256 | 6,629 | 7,885 | 1.05% | 1.09% | 1.09% | 2.57% | 0.83% | 1.09% | 1.05% | 1.09% | 1.09% |
| 2035 | 1,059 | 6,690 | 7,749 | 1,170 | 6,698 | 7,867 | 1,285 | 6,702 | 7,987 | 0.83% | 1.36% | 1.29% | 0.75% | 1.38% | 1.29% | 2.31% | 1.10% | 1.29% |
| 2036 | 1,067 | 6,843 | 7,910 | 1,183 | 6,849 | 8,031 | 1,296 | 6,858 | 8,154 | 0.83% | 2.28% | 2.09% | 1.12% | 2.25% | 2.09% | 0.85% | 2.32% | 2.09% |
| 2037 | 1,078 | 6,931 | 8,009 | 1,194 | 6,938 | 8,132 | 1,309 | 6,946 | 8,255 | 1.02% | 1.28% | 1.25% | 0.92% | 1.30% | 1.25% | 1.01% | 1.29% | 1.25% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 328,137 | 223,941 | 552,077 | 347,423 | 232,572 | 579,994 | 366,866 | 238,729 | 605,595 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 332,642 | 225,152 | 557,795 | 354,794 | 233,201 | 587,995 | 377,343 | 251,720 | 629,063 | 1.37% | 0.54% | 1.04% | 2.12% | 0.27% | 1.38% | 2.86% | 5.44% | 3.88% |
| 2020 | 338,583 | 230,616 | 569,199 | 363,602 | 236,388 | 599,990 | 388,356 | 252,548 | 640,904 | 1.79% | 2.43% | 2.04% | 2.48% | 1.37% | 2.04% | 2.92% | 0.33% | 1.88% |
| 2021 | 342,862 | 233,202 | 576,063 | 369,996 | 248,802 | 618,798 | 396,894 | 259,333 | 656,227 | 1.26% | 1.12% | 1.21% | 1.76% | 5.25% | 3.13% | 2.20% | 2.69% | 2.39% |
| 2022 | 348,467 | 233,217 | 581,685 | 377,175 | 251,738 | 628,912 | 406,356 | 260,998 | 667,353 | 1.64% | 0.01% | 0.98% | 1.94% | 1.18% | 1.63% | 2.38% | 0.64% | 1.70% |
| 2023 | 354,178 | 234,428 | 588,607 | 384,699 | 252,948 | 637,648 | 415,586 | 263,191 | 678,778 | 1.64% | 0.52% | 1.19% | 2.00% | 0.48% | 1.39% | 2.27% | 0.84% | 1.71% |
| 2024 | 361,621 | 241,393 | 603,014 | 394,424 | 261,837 | 656,262 | 426,156 | 276,656 | 702,812 | 2.10% | 2.97% | 2.45% | 2.53% | 3.51% | 2.92% | 2.54% | 5.12% | 3.54% |
| 2025 | 366,496 | 242,461 | 608,957 | 400,438 | 260,980 | 661,418 | 434,296 | 280,709 | 715,005 | 1.35% | 0.44% | 0.99% | 1.52% | -0.33% | 0.79% | 1.91% | 1.47% | 1.73% |
| 2026 | 372,786 | 242,461 | 615,247 | 408,160 | 262,190 | 670,350 | 443,838 | 288,759 | 732,596 | 1.72% | 0.00% | 1.03% | 1.93% | 0.46% | 1.35% | 2.20% | 2.87% | 2.46% |
| 2027 | 379,309 | 243,671 | 622,981 | 415,835 | 270,240 | 686,075 | 453,070 | 288,759 | 741,829 | 1.75% | 0.50% | 1.26% | 1.88% | 3.07% | 2.35% | 2.08% | 0.00% | 1.26% |
| 2028 | 387,709 | 251,448 | 639,157 | 425,341 | 271,164 | 696,504 | 463,901 | 292,671 | 756,572 | 2.21% | 3.19% | 2.60% | 2.29% | 0.34% | 1.52% | 2.39% | 1.35% | 1.99% |
| 2029 | 392,247 | 255,287 | 647,534 | 432,116 | 271,450 | 703,566 | 471,249 | 298,017 | 769,266 | 1.17% | 1.53% | 1.31% | 1.59% | 0.11% | 1.01% | 1.58% | 1.83% | 1.68% |
| 2030 | 399,318 | 260,979 | 660,298 | 440,110 | 281,065 | 721,174 | 480,616 | 298,017 | 778,633 | 1.80% | 2.23% | 1.97% | 1.85% | 3.54% | 2.50% | 1.99% | 0.00% | 1.22% |
| 2031 | 406,399 | 260,980 | 667,380 | 447,647 | 288,759 | 736,405 | 490,088 | 307,788 | 797,876 | 1.77% | 0.00% | 1.07% | 1.71% | 2.74% | 2.11% | 1.97% | 3.28% | 2.47% |
| 2032 | 415,120 | 269,490 | 684,610 | 457,841 | 289,708 | 747,549 | 501,086 | 317,579 | 818,664 | 2.15% | 3.26% | 2.58% | 2.28% | 0.33% | 1.51% | 2.24% | 3.18% | 2.61% |
| 2033 | 420,167 | 270,258 | 690,425 | 464,706 | 291,703 | 756,409 | 508,383 | 316,558 | 824,941 | 1.22% | 0.28% | 0.85% | 1.50% | 0.69% | 1.19% | 1.46% | -0.32% | 0.77% |
| 2034 | 427,292 | 270,257 | 697,549 | 472,328 | 298,038 | 770,365 | 517,926 | 319,483 | 837,409 | 1.70% | 0.00% | 1.03% | 1.64% | 2.17% | 1.85% | 1.88% | 0.92% | 1.51% |
| 2035 | 434,464 | 270,238 | 704,702 | 480,718 | 298,017 | 778,735 | 527,338 | 325,795 | 853,133 | 1.68% | -0.01% | 1.03% | 1.78% | -0.01% | 1.09% | 1.82% | 1.98% | 1.88% |
| 2036 | 443,289 | 272,338 | 715,628 | 491,155 | 298,998 | 790,153 | 538,447 | 326,869 | 865,316 | 2.03% | 0.78% | 1.55% | 2.17% | 0.33% | 1.47% | 2.11% | 0.33% | 1.43% |
| 2037 | 448,897 | 278,365 | 727,263 | 497,329 | 300,942 | 798,271 | 545,756 | 328,721 | 874,477 | 1.27% | 2.21% | 1.63% | 1.26% | 0.65% | 1.03% | 1.36% | 0.57% | 1.06% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 205 | 24 | 229 | 217 | 25 | 243 | 230 | 26 | 255 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 208 | 24 | 232 | 222 | 25 | 247 | 236 | 27 | 263 | 1.38% | 0.34% | 1.27% | 2.18% | 0.33% | 1.99% | 2.83% | 5.50% | 3.10% |
| 2020 | 211 | 25 | 236 | 227 | 25 | 252 | 242 | 27 | 269 | 1.44% | 2.06% | 1.51% | 2.03% | 0.66% | 1.89% | 2.58% | 0.00% | 2.31% |
| 2021 | 214 | 25 | 240 | 232 | 27 | 258 | 249 | 28 | 277 | 1.58% | 1.68% | 1.59% | 2.17% | 5.92% | 2.55% | 2.58% | 3.07% | 2.63% |
| 2022 | 218 | 25 | 243 | 236 | 27 | 263 | 254 | 28 | 283 | 1.67% | 0.00% | 1.50% | 1.94% | 1.24% | 1.87% | 2.38% | 0.60% | 2.20% |
| 2023 | 222 | 25 | 247 | 241 | 27 | 268 | 260 | 28 | 289 | 1.68% | 0.33% | 1.54% | 1.98% | 0.31% | 1.80% | 2.29% | 0.59% | 2.12% |
| 2024 | 225 | 26 | 251 | 246 | 28 | 274 | 266 | 30 | 296 | 1.65% | 2.64% | 1.75% | 2.18% | 3.36% | 2.30% | 2.18% | 5.00% | 2.45% |
| 2025 | 229 | 26 | 256 | 251 | 28 | 279 | 272 | 30 | 302 | 1.78% | 0.96% | 1.69% | 1.86% | 0.00% | 1.67% | 2.26% | 1.68% | 2.20% |
| 2026 | 233 | 26 | 259 | 256 | 28 | 284 | 278 | 31 | 309 | 1.71% | 0.00% | 1.53% | 1.96% | 0.30% | 1.79% | 2.21% | 3.03% | 2.29% |
| 2027 | 237 | 26 | 264 | 260 | 29 | 290 | 284 | 31 | 315 | 1.75% | 0.32% | 1.61% | 1.89% | 3.24% | 2.03% | 2.07% | 0.00% | 1.86% |
| 2028 | 242 | 27 | 269 | 265 | 29 | 294 | 289 | 31 | 321 | 1.79% | 2.86% | 1.90% | 1.89% | 0.00% | 1.70% | 2.00% | 0.80% | 1.88% |
| 2029 | 245 | 28 | 273 | 271 | 29 | 300 | 295 | 32 | 327 | 1.59% | 1.85% | 1.61% | 1.98% | 0.29% | 1.81% | 1.99% | 2.39% | 2.03% |
| 2030 | 250 | 28 | 278 | 276 | 30 | 306 | 301 | 32 | 333 | 1.80% | 2.42% | 1.86% | 1.85% | 3.42% | 2.00% | 1.98% | 0.00% | 1.78% |
| 2031 | 254 | 28 | 283 | 280 | 31 | 312 | 307 | 33 | 340 | 1.80% | 0.00% | 1.62% | 1.75% | 3.03% | 1.88% | 1.99% | 3.11% | 2.10% |
| 2032 | 259 | 29 | 288 | 286 | 31 | 317 | 313 | 34 | 347 | 1.77% | 2.66% | 1.86% | 1.84% | 0.00% | 1.66% | 1.87% | 3.02% | 1.98% |
| 2033 | 263 | 29 | 292 | 291 | 31 | 322 | 318 | 34 | 353 | 1.55% | 0.86% | 1.48% | 1.87% | 0.80% | 1.76% | 1.84% | 0.00% | 1.66% |
| 2034 | 267 | 29 | 297 | 296 | 32 | 328 | 324 | 34 | 359 | 1.71% | 0.00% | 1.54% | 1.69% | 2.39% | 1.76% | 1.86% | 0.73% | 1.75% |
| 2035 | 272 | 29 | 301 | 301 | 32 | 333 | 330 | 35 | 365 | 1.71% | 0.00% | 1.55% | 1.75% | 0.00% | 1.58% | 1.82% | 2.18% | 1.86% |
| 2036 | 276 | 29 | 306 | 306 | 32 | 339 | 336 | 35 | 371 | 1.62% | 0.29% | 1.49% | 1.80% | 0.00% | 1.63% | 1.74% | 0.00% | 1.57% |
| 2037 | 281 | 30 | 311 | 311 | 32 | 344 | 342 | 35 | 377 | 1.66% | 2.56% | 1.75% | 1.63% | 0.78% | 1.55% | 1.74% | 0.71% | 1.64% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 47.70% |
| Medium: | 41.75% |
| Low: | 35.52% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

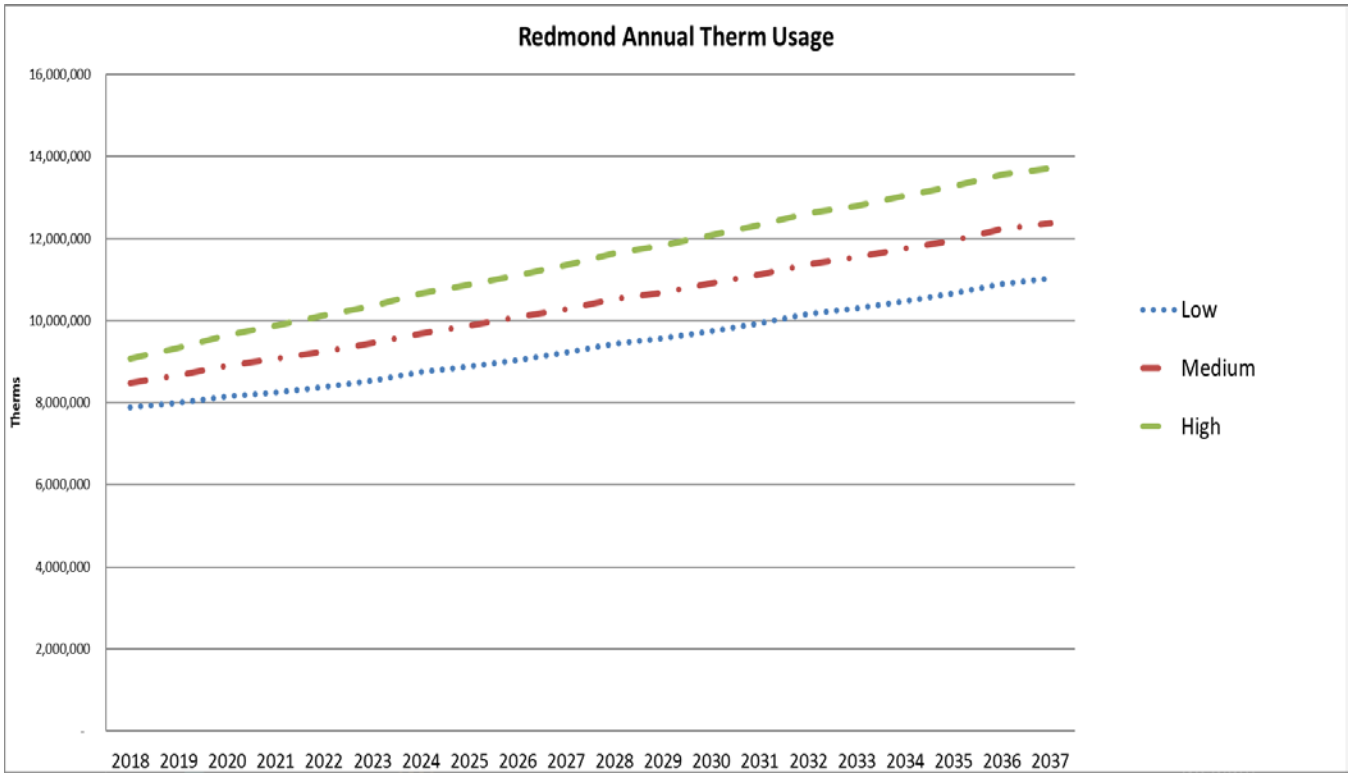
## Redmond

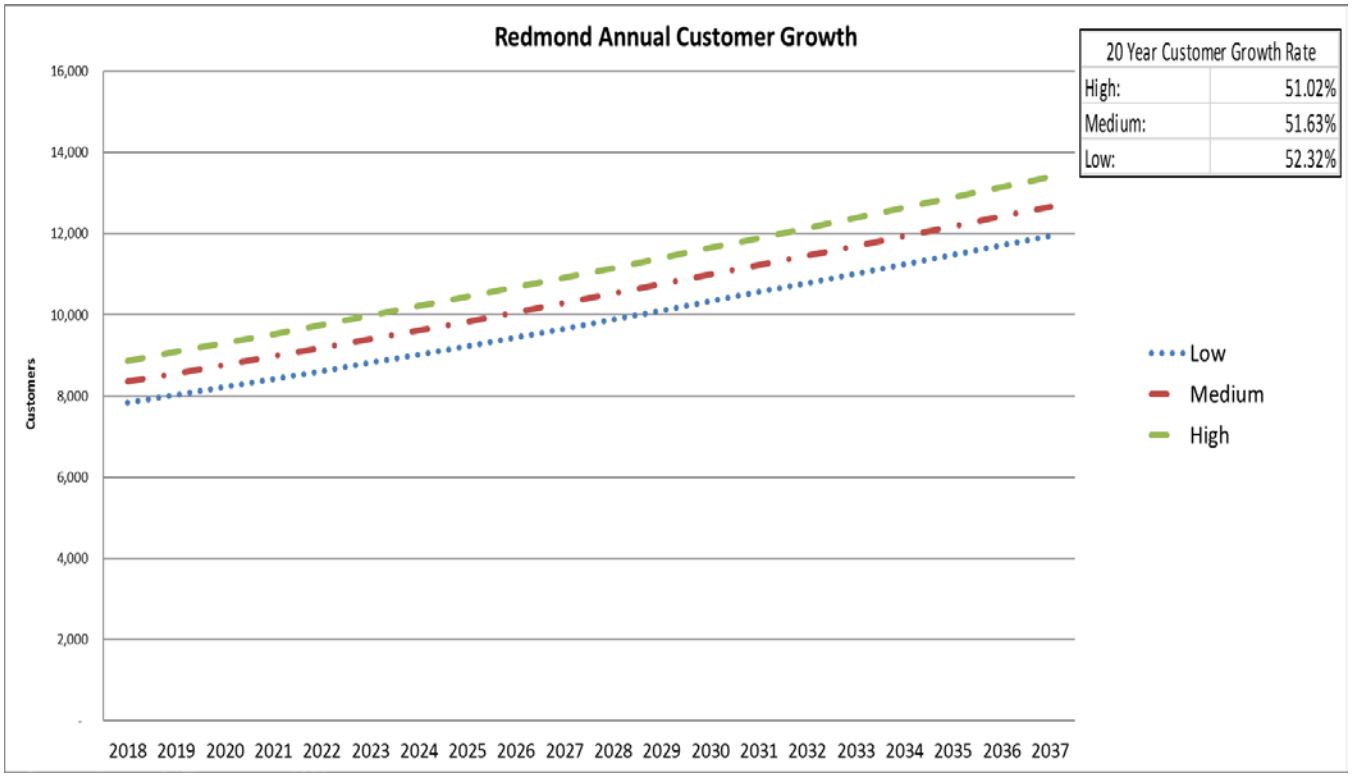
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 5,523,767 | 2,358,255 | 7,882,022 | 5,876,545 | 2,594,582 | 8,471,127 | 6,207,379 | 2,858,081 | 9,065,459 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,621,874 | 2,370,048 | 7,991,921 | 5,997,768 | 2,668,255 | 8,666,023 | 6,380,893 | 2,967,202 | 9,348,095 | 1.78% | 0.50% | 1.39% | 2.06% | 2.84% | 2.30% | 2.80% | 3.82% | 3.12% |
| 2020 | 5,760,470 | 2,384,263 | 8,144,733 | 6,156,435 | 2,742,240 | 8,898,675 | 6,578,963 | 3,074,999 | 9,653,962 | 2.47% | 0.60% | 1.91% | 2.65% | 2.77% | 2.68% | 3.10% | 3.63% | 3.27% |
| 2021 | 5,826,273 | 2,425,379 | 8,251,651 | 6,277,897 | 2,790,737 | 9,068,635 | 6,715,615 | 3,155,939 | 9,871,553 | 1.14% | 1.72% | 1.31% | 1.97% | 1.77% | 1.91% | 2.08% | 2.63% | 2.25% |
| 2022 | 5,923,956 | 2,467,863 | 8,391,819 | 6,388,451 | 2,865,821 | 9,254,272 | 6,860,256 | 3,263,936 | 10,124,193 | 1.68% | 1.75% | 1.70% | 1.76% | 2.69% | 2.05% | 2.15% | 3.42% | 2.56% |
| 2023 | 6,035,799 | 2,510,818 | 8,546,616 | 6,549,460 | 2,914,205 | 9,463,665 | 7,023,355 | 3,344,179 | 10,367,534 | 1.89% | 1.74% | 1.84% | 2.52% | 1.69% | 2.26% | 2.38% | 2.46% | 2.40% |
| 2024 | 6,196,878 | 2,554,400 | 8,751,277 | 6,708,392 | 2,989,803 | 9,698,195 | 7,249,511 | 3,424,893 | 10,674,403 | 2.67% | 1.74% | 2.39% | 2.43% | 2.59% | 2.48% | 3.22% | 2.41% | 2.96% |
| 2025 | 6,278,553 | 2,600,405 | 8,878,958 | 6,835,557 | 3,040,025 | 9,875,582 | 7,365,299 | 3,506,234 | 10,871,532 | 1.32% | 1.80% | 1.46% | 1.90% | 1.68% | 1.83% | 1.60% | 2.37% | 1.85% |
| 2026 | 6,400,513 | 2,644,771 | 9,045,284 | 6,974,718 | 3,115,511 | 10,090,229 | 7,526,880 | 3,586,250 | 11,113,130 | 1.94% | 1.71% | 1.87% | 2.04% | 2.48% | 2.17% | 2.19% | 2.28% | 2.22% |
| 2027 | 6,529,378 | 2,689,765 | 9,219,143 | 7,091,733 | 3,191,623 | 10,283,356 | 7,665,980 | 3,694,065 | 11,360,045 | 2.01% | 1.70% | 1.92% | 1.68% | 2.44% | 1.91% | 1.85% | 3.01% | 2.22% |
| 2028 | 6,696,042 | 2,735,230 | 9,431,272 | 7,299,590 | 3,242,360 | 10,541,950 | 7,873,320 | 3,774,282 | 11,647,602 | 2.55% | 1.69% | 2.30% | 2.93% | 1.59% | 2.51% | 2.70% | 2.17% | 2.53% |
| 2029 | 6,784,795 | 2,781,165 | 9,565,960 | 7,374,584 | 3,318,359 | 10,692,943 | 7,990,572 | 3,855,553 | 11,846,125 | 1.33% | 1.68% | 1.43% | 1.03% | 2.34% | 1.43% | 1.49% | 2.15% | 1.70% |
| 2030 | 6,924,785 | 2,827,571 | 9,752,356 | 7,524,329 | 3,393,932 | 10,918,260 | 8,151,755 | 3,935,814 | 12,087,569 | 2.06% | 1.67% | 1.95% | 2.03% | 2.28% | 2.11% | 2.02% | 2.08% | 2.04% |
| 2031 | 7,039,269 | 2,898,926 | 9,938,194 | 7,691,129 | 3,444,442 | 11,135,571 | 8,315,072 | 4,015,334 | 12,330,406 | 1.65% | 2.52% | 1.91% | 2.22% | 1.49% | 1.99% | 2.00% | 2.02% | 2.01% |
| 2032 | 7,218,315 | 2,945,062 | 10,163,376 | 7,857,741 | 3,520,485 | 11,378,226 | 8,526,914 | 4,096,065 | 12,622,979 | 2.54% | 1.59% | 2.27% | 2.17% | 2.21% | 2.18% | 2.55% | 2.01% | 2.37% |
| 2033 | 7,307,823 | 2,990,457 | 10,298,280 | 7,977,887 | 3,569,514 | 11,547,401 | 8,626,539 | 4,175,315 | 12,801,854 | 1.24% | 1.54% | 1.33% | 1.53% | 1.39% | 1.49% | 1.17% | 1.93% | 1.42% |
| 2034 | 7,440,975 | 3,035,268 | 10,476,243 | 8,110,972 | 3,646,341 | 11,757,314 | 8,784,610 | 4,255,776 | 13,040,387 | 1.82% | 1.50% | 1.73% | 1.67% | 2.15% | 1.82% | 1.83% | 1.93% | 1.86% |
| 2035 | 7,565,474 | 3,107,564 | 10,673,038 | 8,238,105 | 3,721,531 | 11,959,636 | 8,941,887 | 4,334,443 | 13,276,330 | 1.67% | 2.38% | 1.88% | 1.57% | 2.06% | 1.72% | 1.79% | 1.85% | 1.81% |
| 2036 | 7,752,331 | 3,153,003 | 10,905,334 | 8,464,514 | 3,769,549 | 12,234,062 | 9,159,050 | 4,412,839 | 13,571,889 | 2.47% | 1.46% | 2.18% | 2.75% | 1.29% | 2.29% | 2.43% | 1.81% | 2.23% |
| 2037 | 7,811,874 | 3,225,029 | 11,036,903 | 8,534,018 | 3,845,366 | 12,379,384 | 9,258,508 | 4,465,859 | 13,724,367 | 0.77% | 2.28% | 1.21% | 0.82% | 2.01% | 1.19% | 1.09% | 1.20% | 1.12% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 6,461 | 92,325 | 98,785 | 7,108 | 93,191 | 100,300 | 7,830 | 93,996 | 101,827 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,493 | 94,660 | 101,153 | 7,310 | 95,393 | 102,703 | 8,129 | 96,138 | 104,267 | 0.50% | 2.53% | 2.40% | 2.84% | 2.36% | 2.40% | 3.82% | 2.28% | 2.40% |
| 2020 | 6,532 | 96,658 | 103,190 | 7,513 | 97,258 | 104,771 | 8,425 | 97,942 | 106,367 | 0.60% | 2.11% | 2.01% | 2.77% | 1.96% | 2.01% | 3.63% | 1.88% | 2.01% |
| 2021 | 6,645 | 98,998 | 105,643 | 7,646 | 99,616 | 107,262 | 8,646 | 100,249 | 108,895 | 1.72% | 2.42% | 2.38% | 1.77% | 2.42% | 2.38% | 2.63% | 2.36% | 2.38% |
| 2022 | 6,761 | 100,971 | 107,732 | 7,852 | 101,532 | 109,383 | 8,942 | 102,106 | 111,049 | 1.75% | 1.99% | 1.98% | 2.69% | 1.92% | 1.98% | 3.42% | 1.85% | 1.98% |
| 2023 | 6,879 | 103,285 | 110,164 | 7,984 | 103,868 | 111,852 | 9,162 | 104,393 | 113,556 | 1.74% | 2.29% | 2.26% | 1.69% | 2.30% | 2.26% | 2.46% | 2.24% | 2.26% |
| 2024 | 6,998 | 105,315 | 112,313 | 8,191 | 105,843 | 114,034 | 9,383 | 106,388 | 115,771 | 1.74% | 1.97% | 1.95% | 2.59% | 1.90% | 1.95% | 2.41% | 1.91% | 1.95% |
| 2025 | 7,124 | 107,699 | 114,823 | 8,329 | 108,254 | 116,583 | 9,606 | 108,752 | 118,358 | 1.80% | 2.26% | 2.23% | 1.68% | 2.28% | 2.23% | 2.37% | 2.22% | 2.23% |
| 2026 | 7,246 | 110,051 | 117,297 | 8,536 | 110,559 | 119,095 | 9,825 | 111,083 | 120,908 | 1.71% | 2.18% | 2.15% | 2.48% | 2.13% | 2.15% | 2.28% | 2.14% | 2.15% |
| 2027 | 7,369 | 112,104 | 119,473 | 8,744 | 112,560 | 121,304 | 10,121 | 113,030 | 123,151 | 1.70% | 1.87% | 1.86% | 2.44% | 1.81% | 1.86% | 3.01% | 1.75% | 1.86% |
| 2028 | 7,494 | 114,538 | 122,032 | 8,883 | 115,019 | 123,903 | 10,340 | 115,449 | 125,789 | 1.69% | 2.17% | 2.14% | 1.59% | 2.19% | 2.14% | 2.17% | 2.14% | 2.14% |
| 2029 | 7,620 | 116,575 | 124,195 | 9,091 | 117,007 | 126,098 | 10,563 | 117,455 | 128,018 | 1.68% | 1.78% | 1.77% | 2.34% | 1.73% | 1.77% | 2.15% | 1.74% | 1.77% |
| 2030 | 7,747 | 118,971 | 126,718 | 9,298 | 119,362 | 128,660 | 10,783 | 119,836 | 130,619 | 1.67% | 2.06% | 2.03% | 2.28% | 2.01% | 2.03% | 2.08% | 2.03% | 2.03% |
| 2031 | 7,942 | 121,329 | 129,271 | 9,437 | 121,816 | 131,253 | 11,001 | 122,250 | 133,251 | 2.52% | 1.98% | 2.01% | 1.49% | 2.06% | 2.01% | 2.02% | 2.01% | 2.01% |
| 2032 | 8,069 | 123,377 | 131,446 | 9,645 | 123,815 | 133,460 | 11,222 | 124,270 | 135,493 | 1.59% | 1.69% | 1.68% | 2.21% | 1.64% | 1.68% | 2.01% | 1.65% | 1.68% |
| 2033 | 8,193 | 125,755 | 133,948 | 9,779 | 126,222 | 136,001 | 11,439 | 126,633 | 138,072 | 1.54% | 1.93% | 1.90% | 1.39% | 1.94% | 1.90% | 1.93% | 1.90% | 1.90% |
| 2034 | 8,316 | 127,877 | 136,193 | 9,990 | 128,290 | 138,280 | 11,660 | 128,726 | 140,386 | 1.50% | 1.69% | 1.68% | 2.15% | 1.64% | 1.68% | 1.93% | 1.65% | 1.68% |
| 2035 | 8,514 | 130,171 | 138,685 | 10,196 | 130,614 | 140,810 | 11,875 | 131,079 | 142,954 | 2.38% | 1.79% | 1.83% | 2.06% | 1.81% | 1.83% | 1.85% | 1.83% | 1.83% |
| 2036 | 8,638 | 132,520 | 141,159 | 10,328 | 132,995 | 143,322 | 12,090 | 133,415 | 145,505 | 1.46% | 1.80% | 1.78% | 1.29% | 1.82% | 1.78% | 1.81% | 1.78% | 1.78% |
| 2037 | 8,836 | 134,539 | 143,375 | 10,535 | 135,037 | 145,573 | 12,235 | 135,554 | 147,789 | 2.28% | 1.52% | 1.57% | 2.01% | 1.54% | 1.57% | 1.20% | 1.60% | 1.57% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 4,162,488 | 3,719,534 | 7,882,022 | 4,456,862 | 4,014,265 | 8,471,127 | 4,751,274 | 4,314,186 | 9,065,459 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,271,357 | 3,720,565 | 7,991,921 | 4,569,641 | 4,096,382 | 8,666,023 | 4,867,439 | 4,480,656 | 9,348,095 | 2.62% | 0.03% | 1.39% | 2.53% | 2.05% | 2.30% | 2.44% | 3.86% | 3.12% |
| 2020 | 4,402,512 | 3,742,221 | 8,144,733 | 4,705,344 | 4,193,331 | 8,898,675 | 5,008,422 | 4,645,540 | 9,653,962 | 3.07% | 0.58% | 1.91% | 2.97% | 2.37% | 2.68% | 2.90% | 3.68% | 3.27% |
| 2021 | 4,495,653 | 3,755,998 | 8,251,651 | 4,800,778 | 4,267,856 | 9,068,635 | 5,106,125 | 4,765,429 | 9,871,553 | 2.12% | 0.37% | 1.31% | 2.03% | 1.78% | 1.91% | 1.95% | 2.58% | 2.25% |
| 2022 | 4,610,328 | 3,781,491 | 8,391,819 | 4,918,868 | 4,335,404 | 9,254,272 | 5,227,702 | 4,896,491 | 10,124,193 | 2.55% | 0.68% | 1.70% | 2.46% | 1.58% | 2.05% | 2.38% | 2.75% | 2.56% |
| 2023 | 4,727,304 | 3,819,312 | 8,546,616 | 5,039,784 | 4,423,881 | 9,463,665 | 5,351,904 | 5,015,630 | 10,367,534 | 2.54% | 1.00% | 1.84% | 2.46% | 2.04% | 2.26% | 2.38% | 2.43% | 2.40% |
| 2024 | 4,869,638 | 3,881,639 | 8,751,277 | 5,187,108 | 4,511,087 | 9,698,195 | 5,504,380 | 5,170,024 | 10,674,403 | 3.01% | 1.63% | 2.39% | 2.92% | 1.97% | 2.48% | 2.85% | 3.08% | 2.96% |
| 2025 | 4,969,027 | 3,909,931 | 8,878,958 | 5,288,672 | 4,586,910 | 9,875,582 | 5,608,125 | 5,263,407 | 10,871,532 | 2.04% | 0.73% | 1.46% | 1.96% | 1.68% | 1.83% | 1.88% | 1.81% | 1.85% |
| 2026 | 5,092,287 | 3,952,997 | 9,045,284 | 5,415,686 | 4,674,543 | 10,090,229 | 5,738,900 | 5,374,230 | 11,113,130 | 2.48% | 1.10% | 1.87% | 2.40% | 1.91% | 2.17% | 2.33% | 2.11% | 2.22% |
| 2027 | 5,217,512 | 4,001,632 | 9,219,143 | 5,544,442 | 4,738,914 | 10,283,356 | 5,871,479 | 5,488,566 | 11,360,045 | 2.46% | 1.23% | 1.92% | 2.38% | 1.38% | 1.91% | 2.31% | 2.13% | 2.22% |
| 2028 | 5,367,262 | 4,064,010 | 9,431,272 | 5,699,390 | 4,842,560 | 10,541,950 | 6,031,770 | 5,615,832 | 11,647,602 | 2.87% | 1.56% | 2.30% | 2.79% | 2.19% | 2.51% | 2.73% | 2.32% | 2.53% |
| 2029 | 5,473,267 | 4,092,693 | 9,565,960 | 5,807,986 | 4,884,958 | 10,692,943 | 6,142,668 | 5,703,457 | 11,846,125 | 1.98% | 0.71% | 1.43% | 1.91% | 0.88% | 1.43% | 1.84% | 1.56% | 1.70% |
| 2030 | 5,604,057 | 4,148,300 | 9,752,356 | 5,942,627 | 4,975,633 | 10,918,260 | 6,280,928 | 5,806,640 | 12,087,569 | 2.39% | 1.36% | 1.95% | 2.32% | 1.86% | 2.11% | 2.25% | 1.81% | 2.04% |
| 2031 | 5,735,715 | 4,202,479 | 9,938,194 | 6,078,307 | 5,057,264 | 11,135,571 | 6,420,429 | 5,909,977 | 12,330,406 | 2.35% | 1.31% | 1.91% | 2.28% | 1.64% | 1.99% | 2.22% | 1.78% | 2.01% |
| 2032 | 5,895,351 | 4,268,026 | 10,163,376 | 6,243,218 | 5,135,007 | 11,378,226 | 6,591,220 | 6,031,759 | 12,622,979 | 2.78% | 1.56% | 2.27% | 2.71% | 1.54% | 2.18% | 2.66% | 2.06% | 2.37% |
| 2033 | 6,001,744 | 4,296,536 | 10,298,280 | 6,351,637 | 5,195,764 | 11,547,401 | 6,701,857 | 6,099,998 | 12,801,854 | 1.80% | 0.67% | 1.33% | 1.74% | 1.18% | 1.49% | 1.68% | 1.13% | 1.42% |
| 2034 | 6,136,651 | 4,339,592 | 10,476,243 | 6,490,870 | 5,266,444 | 11,757,314 | 6,844,955 | 6,195,432 | 13,040,387 | 2.25% | 1.00% | 1.73% | 2.19% | 1.36% | 1.82% | 2.14% | 1.56% | 1.86% |
| 2035 | 6,273,591 | 4,399,448 | 10,673,038 | 6,631,744 | 5,327,892 | 11,959,636 | 6,989,635 | 6,286,695 | 13,276,330 | 2.23% | 1.38% | 1.88% | 2.17% | 1.17% | 1.72% | 2.11% | 1.47% | 1.81% |
| 2036 | 6,439,821 | 4,465,513 | 10,905,334 | 6,803,676 | 5,430,386 | 12,234,062 | 7,167,467 | 6,404,422 | 13,571,889 | 2.65% | 1.50% | 2.18% | 2.59% | 1.92% | 2.29% | 2.54% | 1.87% | 2.23% |
| 2037 | 6,548,872 | 4,488,031 | 11,036,903 | 6,914,905 | 5,464,479 | 12,379,384 | 7,281,017 | 6,443,350 | 13,724,367 | 1.69% | 0.50% | 1.21% | 1.63% | 0.63% | 1.19% | 1.58% | 0.61% | 1.12% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,681 | 1,161 | 7,842 | 7,158 | 1,198 | 8,356 | 7,635 | 1,235 | 8,869 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,856 | 1,172 | 8,028 | 7,339 | 1,219 | 8,558 | 7,822 | 1,267 | 9,088 | 2.62% | 0.94% | 2.37% | 2.53% | 1.80% | 2.43% | 2.45% | 2.59% | 2.47% |
| 2020 | 7,035 | 1,185 | 8,220 | 7,523 | 1,241 | 8,764 | 8,012 | 1,297 | 9,309 | 2.60% | 1.10% | 2.38% | 2.50% | 1.76% | 2.40% | 2.43% | 2.41% | 2.43% |
| 2021 | 7,217 | 1,199 | 8,416 | 7,711 | 1,262 | 8,973 | 8,205 | 1,326 | 9,531 | 2.59% | 1.19% | 2.38% | 2.50% | 1.76% | 2.39% | 2.42% | 2.19% | 2.38% |
| 2022 | 7,402 | 1,213 | 8,615 | 7,902 | 1,284 | 9,185 | 8,402 | 1,354 | 9,756 | 2.57% | 1.22% | 2.37% | 2.47% | 1.67% | 2.36% | 2.40% | 2.13% | 2.36% |
| 2023 | 7,590 | 1,228 | 8,819 | 8,096 | 1,305 | 9,401 | 8,602 | 1,380 | 9,982 | 2.54% | 1.23% | 2.36% | 2.46% | 1.64% | 2.35% | 2.38% | 1.97% | 2.32% |
| 2024 | 7,783 | 1,244 | 9,027 | 8,294 | 1,325 | 9,620 | 8,805 | 1,407 | 10,213 | 2.53% | 1.29% | 2.36% | 2.45% | 1.59% | 2.33% | 2.37% | 1.94% | 2.31% |
| 2025 | 7,978 | 1,260 | 9,238 | 8,495 | 1,347 | 9,842 | 9,012 | 1,433 | 10,445 | 2.51% | 1.29% | 2.34% | 2.42% | 1.60% | 2.31% | 2.35% | 1.83% | 2.28% |
| 2026 | 8,176 | 1,275 | 9,451 | 8,699 | 1,367 | 10,066 | 9,222 | 1,458 | 10,680 | 2.48% | 1.20% | 2.31% | 2.40% | 1.50% | 2.28% | 2.33% | 1.72% | 2.25% |
| 2027 | 8,377 | 1,291 | 9,668 | 8,906 | 1,386 | 10,293 | 9,436 | 1,483 | 10,918 | 2.46% | 1.22% | 2.29% | 2.38% | 1.43% | 2.25% | 2.31% | 1.73% | 2.23% |
| 2028 | 8,581 | 1,306 | 9,887 | 9,116 | 1,407 | 10,523 | 9,652 | 1,506 | 11,158 | 2.44% | 1.16% | 2.27% | 2.36% | 1.45% | 2.24% | 2.29% | 1.58% | 2.20% |
| 2029 | 8,788 | 1,321 | 10,109 | 9,330 | 1,425 | 10,755 | 9,871 | 1,530 | 11,402 | 2.41% | 1.15% | 2.25% | 2.34% | 1.32% | 2.20% | 2.27% | 1.58% | 2.18% |
| 2030 | 8,999 | 1,336 | 10,335 | 9,546 | 1,444 | 10,990 | 10,094 | 1,552 | 11,646 | 2.39% | 1.17% | 2.23% | 2.32% | 1.33% | 2.19% | 2.25% | 1.45% | 2.15% |
| 2031 | 9,210 | 1,350 | 10,560 | 9,765 | 1,463 | 11,227 | 10,318 | 1,575 | 11,893 | 2.35% | 1.05% | 2.18% | 2.29% | 1.30% | 2.16% | 2.22% | 1.43% | 2.12% |
| 2032 | 9,424 | 1,364 | 10,788 | 9,984 | 1,480 | 11,464 | 10,544 | 1,596 | 12,140 | 2.32% | 1.02% | 2.15% | 2.25% | 1.15% | 2.10% | 2.19% | 1.34% | 2.08% |
| 2033 | 9,639 | 1,377 | 11,017 | 10,205 | 1,497 | 11,702 | 10,772 | 1,616 | 12,388 | 2.28% | 0.98% | 2.12% | 2.22% | 1.15% | 2.08% | 2.16% | 1.27% | 2.04% |
| 2034 | 9,856 | 1,391 | 11,247 | 10,429 | 1,514 | 11,943 | 11,002 | 1,637 | 12,639 | 2.25% | 0.97% | 2.09% | 2.19% | 1.15% | 2.06% | 2.14% | 1.28% | 2.02% |
| 2035 | 10,075 | 1,404 | 11,478 | 10,654 | 1,529 | 12,183 | 11,233 | 1,656 | 12,889 | 2.22% | 0.93% | 2.06% | 2.16% | 1.02% | 2.01% | 2.10% | 1.16% | 1.98% |
| 2036 | 10,295 | 1,416 | 11,711 | 10,881 | 1,545 | 12,426 | 11,467 | 1,675 | 13,141 | 2.19% | 0.87% | 2.03% | 2.13% | 1.02% | 1.99% | 2.08% | 1.16% | 1.96% |
| 2037 | 10,518 | 1,428 | 11,945 | 11,110 | 1,560 | 12,670 | 11,702 | 1,693 | 13,394 | 2.16% | 0.83% | 2.00% | 2.10% | 0.99% | 1.96% | 2.05% | 1.06% | 1.92% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.02% |
| Medium: | 51.63% |
| Low: | 52.32% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

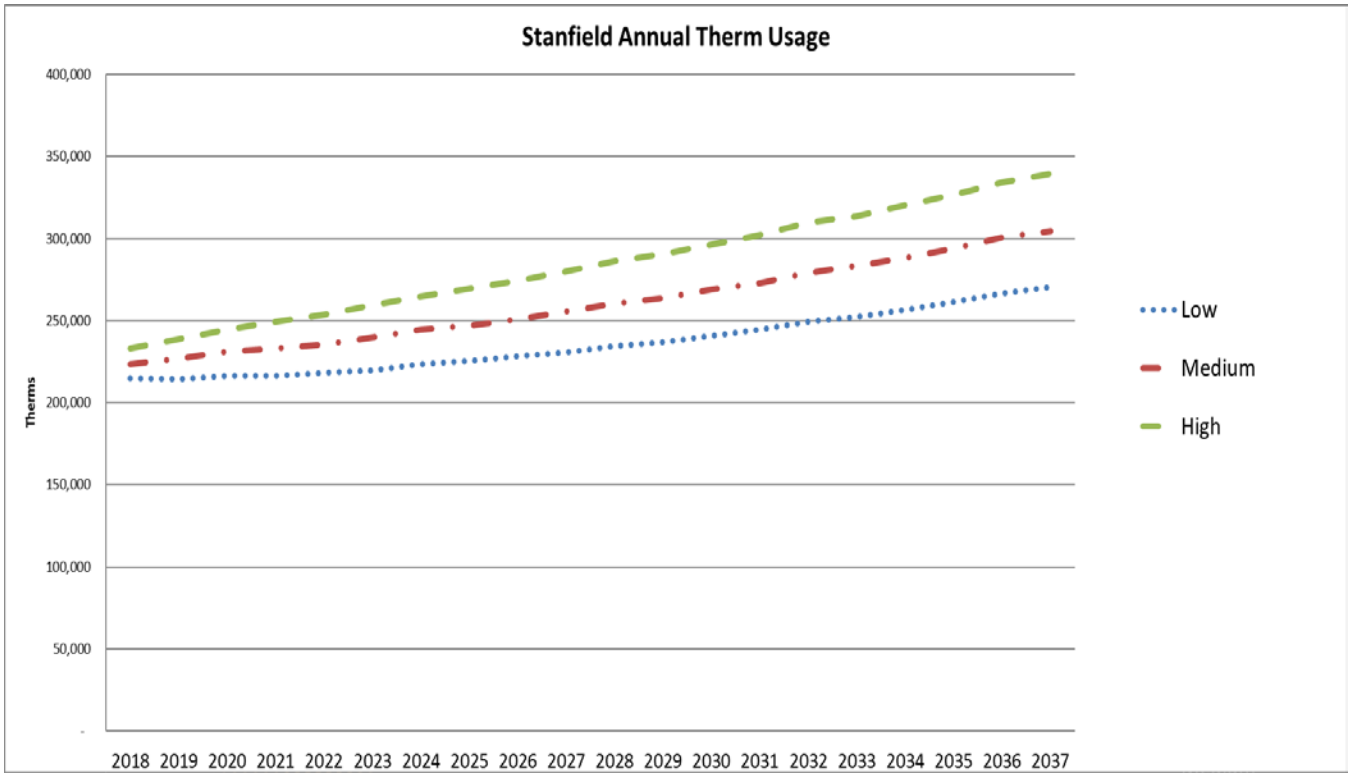
## Stanfield

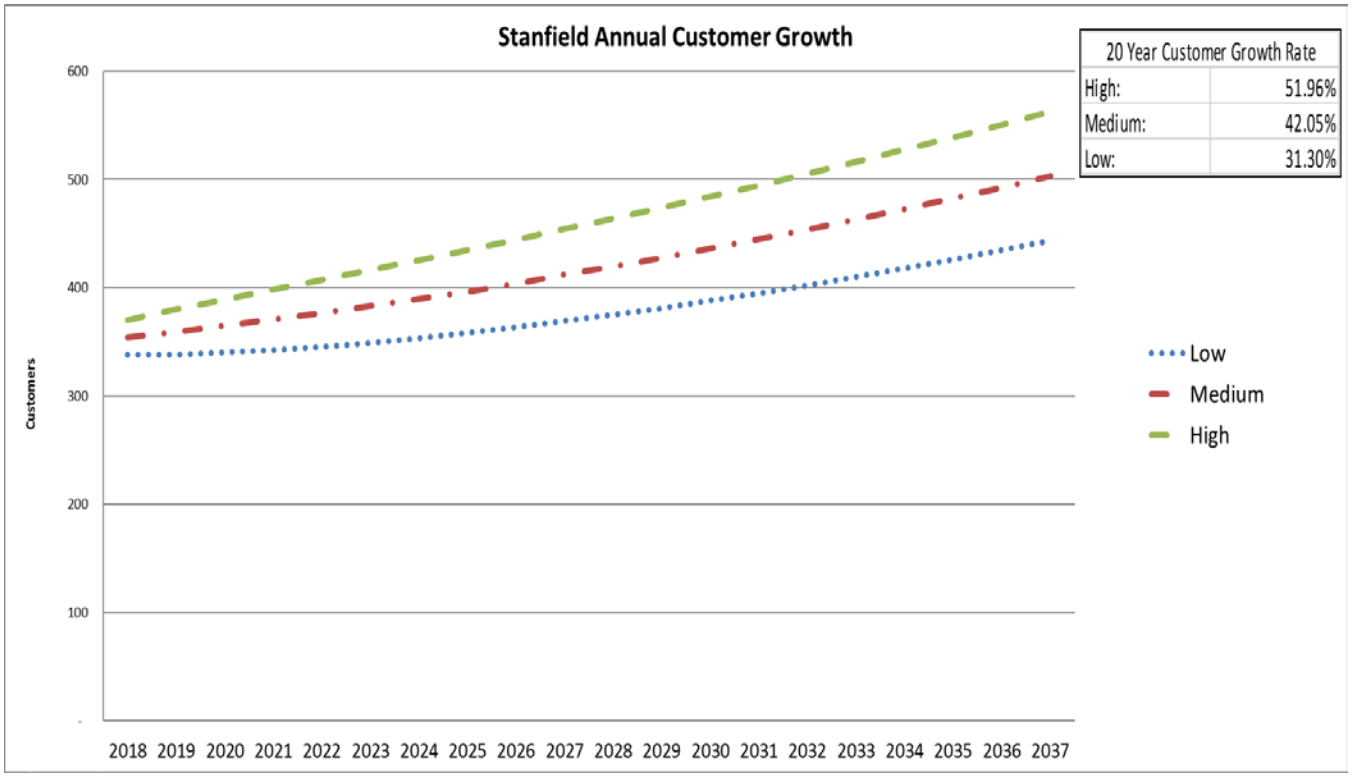
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 164,989 | 49,815 | 214,804 | 171,632 | 51,889 | 223,521 | 178,886 | 54,064 | 232,950 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 164,692 | 49,815 | 214,507 | 174,307 | 52,391 | 226,698 | 183,431 | 55,536 | 238,967 | -0.18% | 0.00% | -0.14% | 1.56% | 0.97% | 1.42% | 2.54% | 2.72% | 2.58% |
| 2020 | 166,299 | 50,016 | 216,315 | 177,648 | 53,562 | 231,210 | 188,186 | 56,440 | 244,625 | 0.98% | 0.40% | 0.84% | 1.92% | 2.23% | 1.99% | 2.59% | 1.63% | 2.37% |
| 2021 | 166,181 | 50,317 | 216,498 | 178,817 | 54,064 | 232,881 | 191,319 | 57,912 | 249,231 | -0.07% | 0.60% | 0.08% | 0.66% | 0.94% | 0.72% | 1.67% | 2.61% | 1.88% |
| 2022 | 167,463 | 50,618 | 218,081 | 181,047 | 54,666 | 235,714 | 194,888 | 58,715 | 253,603 | 0.77% | 0.60% | 0.73% | 1.25% | 1.11% | 1.22% | 1.87% | 1.39% | 1.75% |
| 2023 | 168,719 | 51,020 | 219,739 | 184,613 | 55,269 | 239,882 | 199,138 | 60,187 | 259,324 | 0.75% | 0.79% | 0.76% | 1.97% | 1.10% | 1.77% | 2.18% | 2.51% | 2.26% |
| 2024 | 172,314 | 51,421 | 223,735 | 188,237 | 56,540 | 244,776 | 203,910 | 60,990 | 264,900 | 2.13% | 0.79% | 1.82% | 1.96% | 2.30% | 2.04% | 2.40% | 1.33% | 2.15% |
| 2025 | 173,553 | 51,823 | 225,376 | 189,753 | 57,142 | 246,896 | 207,065 | 62,462 | 269,526 | 0.72% | 0.78% | 0.73% | 0.81% | 1.07% | 0.87% | 1.55% | 2.41% | 1.75% |
| 2026 | 175,203 | 52,893 | 228,096 | 192,889 | 57,845 | 250,734 | 210,906 | 63,365 | 274,271 | 0.95% | 2.07% | 1.21% | 1.65% | 1.23% | 1.55% | 1.86% | 1.45% | 1.76% |
| 2027 | 177,437 | 53,495 | 230,933 | 196,574 | 59,217 | 255,791 | 215,509 | 64,369 | 279,878 | 1.28% | 1.14% | 1.24% | 1.91% | 2.37% | 2.02% | 2.18% | 1.58% | 2.04% |
| 2028 | 180,582 | 54,098 | 234,679 | 200,579 | 59,919 | 260,499 | 220,634 | 65,841 | 286,474 | 1.77% | 1.13% | 1.62% | 2.04% | 1.19% | 1.84% | 2.38% | 2.29% | 2.36% |
| 2029 | 182,148 | 54,700 | 236,848 | 202,972 | 60,722 | 263,694 | 223,849 | 66,845 | 290,694 | 0.87% | 1.11% | 0.92% | 1.19% | 1.34% | 1.23% | 1.46% | 1.52% | 1.47% |
| 2030 | 185,663 | 55,302 | 240,965 | 206,934 | 62,094 | 269,028 | 228,060 | 68,417 | 296,477 | 1.93% | 1.10% | 1.74% | 1.95% | 2.26% | 2.02% | 1.88% | 2.35% | 1.99% |
| 2031 | 188,200 | 56,574 | 244,774 | 210,131 | 62,997 | 273,128 | 232,519 | 69,421 | 301,940 | 1.37% | 2.30% | 1.58% | 1.54% | 1.45% | 1.52% | 1.96% | 1.47% | 1.84% |
| 2032 | 192,192 | 57,276 | 249,468 | 215,391 | 63,901 | 279,292 | 238,743 | 70,993 | 309,736 | 2.12% | 1.24% | 1.92% | 2.50% | 1.43% | 2.26% | 2.68% | 2.27% | 2.58% |
| 2033 | 194,279 | 58,079 | 252,358 | 218,192 | 65,373 | 283,565 | 241,870 | 71,997 | 313,867 | 1.09% | 1.40% | 1.16% | 1.30% | 2.30% | 1.53% | 1.31% | 1.41% | 1.33% |
| 2034 | 197,992 | 58,782 | 256,774 | 222,060 | 66,276 | 288,336 | 246,772 | 73,670 | 320,442 | 1.91% | 1.21% | 1.75% | 1.77% | 1.38% | 1.68% | 2.03% | 2.32% | 2.09% |
| 2035 | 201,331 | 60,153 | 261,484 | 226,463 | 67,748 | 294,211 | 251,760 | 74,774 | 326,534 | 1.69% | 2.33% | 1.83% | 1.98% | 2.22% | 2.04% | 2.02% | 1.50% | 1.90% |
| 2036 | 205,683 | 61,057 | 266,740 | 231,869 | 68,752 | 300,621 | 258,019 | 76,447 | 334,466 | 2.16% | 1.50% | 2.01% | 2.39% | 1.48% | 2.18% | 2.49% | 2.24% | 2.43% |
| 2037 | 208,654 | 61,860 | 270,514 | 234,987 | 69,756 | 304,743 | 261,839 | 77,651 | 339,490 | 1.44% | 1.32% | 1.41% | 1.34% | 1.46% | 1.37% | 1.48% | 1.58% | 1.50% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 136 | 2,794 | 2,930 | 142 | 2,833 | 2,975 | 148 | 2,872 | 3,020 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 136 | 2,849 | 2,985 | 144 | 2,888 | 3,031 | 152 | 2,925 | 3,077 | 0.00% | 1.97% | 1.88% | 0.97% | 1.93% | 1.88% | 2.72% | 1.84% | 1.88% |
| 2020 | 137 | 2,880 | 3,017 | 147 | 2,917 | 3,063 | 155 | 2,955 | 3,110 | 0.40% | 1.10% | 1.07% | 2.23% | 1.01% | 1.07% | 1.63% | 1.04% | 1.07% |
| 2021 | 138 | 2,918 | 3,055 | 148 | 2,954 | 3,102 | 159 | 2,991 | 3,149 | 0.60% | 1.30% | 1.26% | 0.94% | 1.28% | 1.26% | 2.61% | 1.19% | 1.26% |
| 2022 | 139 | 2,955 | 3,094 | 150 | 2,991 | 3,141 | 161 | 3,028 | 3,189 | 0.60% | 1.28% | 1.25% | 1.11% | 1.26% | 1.25% | 1.39% | 1.24% | 1.25% |
| 2023 | 140 | 3,015 | 3,155 | 151 | 3,052 | 3,203 | 165 | 3,087 | 3,252 | 0.79% | 2.04% | 1.99% | 1.10% | 2.03% | 1.99% | 2.51% | 1.96% | 1.99% |
| 2024 | 141 | 3,052 | 3,193 | 155 | 3,087 | 3,242 | 167 | 3,124 | 3,291 | 0.79% | 1.23% | 1.21% | 2.30% | 1.16% | 1.21% | 1.33% | 1.20% | 1.21% |
| 2025 | 142 | 3,096 | 3,238 | 157 | 3,131 | 3,287 | 171 | 3,166 | 3,337 | 0.78% | 1.42% | 1.39% | 1.07% | 1.41% | 1.39% | 2.41% | 1.34% | 1.39% |
| 2026 | 145 | 3,161 | 3,306 | 158 | 3,198 | 3,356 | 174 | 3,234 | 3,407 | 2.07% | 2.10% | 2.10% | 1.23% | 2.14% | 2.10% | 1.45% | 2.13% | 2.10% |
| 2027 | 147 | 3,210 | 3,356 | 162 | 3,246 | 3,408 | 176 | 3,283 | 3,460 | 1.14% | 1.56% | 1.54% | 2.37% | 1.50% | 1.54% | 1.58% | 1.54% | 1.54% |
| 2028 | 148 | 3,259 | 3,407 | 164 | 3,295 | 3,460 | 180 | 3,332 | 3,512 | 1.13% | 1.53% | 1.52% | 1.19% | 1.53% | 1.52% | 2.29% | 1.47% | 1.52% |
| 2029 | 150 | 3,332 | 3,482 | 166 | 3,369 | 3,535 | 183 | 3,406 | 3,589 | 1.11% | 2.23% | 2.18% | 1.34% | 2.22% | 2.18% | 1.52% | 2.21% | 2.18% |
| 2030 | 152 | 3,381 | 3,532 | 170 | 3,416 | 3,587 | 187 | 3,454 | 3,641 | 1.10% | 1.48% | 1.46% | 2.26% | 1.42% | 1.46% | 2.35% | 1.41% | 1.46% |
| 2031 | 155 | 3,428 | 3,583 | 173 | 3,466 | 3,638 | 190 | 3,503 | 3,694 | 2.30% | 1.40% | 1.44% | 1.45% | 1.44% | 1.44% | 1.47% | 1.44% | 1.44% |
| 2032 | 157 | 3,507 | 3,664 | 175 | 3,545 | 3,720 | 195 | 3,582 | 3,777 | 1.24% | 2.29% | 2.25% | 1.43% | 2.29% | 2.25% | 2.27% | 2.25% | 2.25% |
| 2033 | 159 | 3,562 | 3,721 | 179 | 3,599 | 3,778 | 197 | 3,638 | 3,836 | 1.40% | 1.57% | 1.56% | 2.30% | 1.53% | 1.56% | 1.41% | 1.57% | 1.56% |
| 2034 | 161 | 3,647 | 3,808 | 182 | 3,685 | 3,866 | 202 | 3,723 | 3,925 | 1.21% | 2.39% | 2.34% | 1.38% | 2.38% | 2.34% | 2.32% | 2.34% | 2.34% |
| 2035 | 165 | 3,700 | 3,865 | 186 | 3,739 | 3,924 | 205 | 3,779 | 3,984 | 2.33% | 1.47% | 1.50% | 2.22% | 1.47% | 1.50% | 1.50% | 1.50% | 1.50% |
| 2036 | 167 | 3,762 | 3,929 | 188 | 3,801 | 3,989 | 209 | 3,840 | 4,050 | 1.50% | 1.65% | 1.65% | 1.48% | 1.65% | 1.65% | 2.24% | 1.61% | 1.65% |
| 2037 | 169 | 3,846 | 4,016 | 191 | 3,886 | 4,077 | 213 | 3,927 | 4,139 | 1.32% | 2.25% | 2.21% | 1.46% | 2.25% | 2.21% | 1.58% | 2.25% | 2.21% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 148,946 | 65,858 | 214,804 | 156,341 | 67,181 | 223,521 | 163,610 | 69,341 | 232,950 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 149,176 | 65,332 | 214,507 | 158,751 | 67,947 | 226,698 | 168,089 | 70,878 | 238,967 | 0.15% | -0.80% | -0.14% | 1.54% | 1.14% | 1.42% | 2.74% | 2.22% | 2.58% |
| 2020 | 150,677 | 65,638 | 216,315 | 162,036 | 69,174 | 231,210 | 173,103 | 71,522 | 244,625 | 1.01% | 0.47% | 0.84% | 2.07% | 1.81% | 1.99% | 2.98% | 0.91% | 2.37% |
| 2021 | 151,167 | 65,332 | 216,498 | 163,852 | 69,029 | 232,881 | 176,504 | 72,727 | 249,231 | 0.33% | -0.47% | 0.08% | 1.12% | -0.21% | 0.72% | 1.96% | 1.68% | 1.88% |
| 2022 | 152,749 | 65,332 | 218,081 | 166,684 | 69,029 | 235,714 | 180,565 | 73,038 | 253,603 | 1.05% | 0.00% | 0.73% | 1.73% | 0.00% | 1.22% | 2.30% | 0.43% | 1.75% |
| 2023 | 154,407 | 65,332 | 219,739 | 169,716 | 70,165 | 239,882 | 184,812 | 74,512 | 259,324 | 1.09% | 0.00% | 0.76% | 1.82% | 1.65% | 1.77% | 2.35% | 2.02% | 2.26% |
| 2024 | 157,137 | 66,598 | 223,735 | 173,566 | 71,211 | 244,776 | 189,974 | 74,926 | 264,900 | 1.77% | 1.94% | 1.82% | 2.27% | 1.49% | 2.04% | 2.79% | 0.55% | 2.15% |
| 2025 | 158,634 | 66,742 | 225,376 | 176,017 | 70,878 | 246,896 | 193,440 | 76,087 | 269,526 | 0.95% | 0.22% | 0.73% | 1.41% | -0.47% | 0.87% | 1.82% | 1.55% | 1.75% |
| 2026 | 161,095 | 67,002 | 228,096 | 179,368 | 71,366 | 250,734 | 197,847 | 76,425 | 274,271 | 1.55% | 0.39% | 1.21% | 1.90% | 0.69% | 1.55% | 2.28% | 0.44% | 1.76% |
| 2027 | 163,752 | 67,181 | 230,933 | 183,127 | 72,664 | 255,791 | 202,315 | 77,563 | 279,878 | 1.65% | 0.27% | 1.24% | 2.10% | 1.82% | 2.02% | 2.26% | 1.49% | 2.04% |
| 2028 | 167,184 | 67,496 | 234,679 | 187,430 | 73,068 | 260,499 | 207,833 | 78,641 | 286,474 | 2.10% | 0.47% | 1.62% | 2.35% | 0.56% | 1.84% | 2.73% | 1.39% | 2.36% |
| 2029 | 169,356 | 67,492 | 236,848 | 190,480 | 73,215 | 263,694 | 211,600 | 79,093 | 290,694 | 1.30% | -0.01% | 0.92% | 1.63% | 0.20% | 1.23% | 1.81% | 0.58% | 1.47% |
| 2030 | 172,648 | 68,317 | 240,965 | 194,515 | 74,512 | 269,028 | 216,355 | 80,122 | 296,477 | 1.94% | 1.22% | 1.74% | 2.12% | 1.77% | 2.02% | 2.25% | 1.30% | 1.99% |
| 2031 | 175,807 | 68,966 | 244,774 | 198,552 | 74,576 | 273,128 | 221,209 | 80,731 | 301,940 | 1.83% | 0.95% | 1.58% | 2.08% | 0.08% | 1.52% | 2.24% | 0.76% | 1.84% |
| 2032 | 180,115 | 69,353 | 249,468 | 203,756 | 75,535 | 279,292 | 227,380 | 82,356 | 309,736 | 2.45% | 0.56% | 1.92% | 2.62% | 1.29% | 2.26% | 2.79% | 2.01% | 2.58% |
| 2033 | 183,017 | 69,341 | 252,358 | 207,140 | 76,425 | 283,565 | 231,287 | 82,580 | 313,867 | 1.61% | -0.02% | 1.16% | 1.66% | 1.18% | 1.53% | 1.72% | 0.27% | 1.33% |
| 2034 | 186,608 | 70,165 | 256,774 | 211,600 | 76,736 | 288,336 | 236,622 | 83,820 | 320,442 | 1.96% | 1.19% | 1.75% | 2.15% | 0.41% | 1.68% | 2.31% | 1.50% | 2.09% |
| 2035 | 190,606 | 70,878 | 261,484 | 216,275 | 77,935 | 294,211 | 241,894 | 84,640 | 326,534 | 2.14% | 1.02% | 1.83% | 2.21% | 1.56% | 2.04% | 2.23% | 0.98% | 1.90% |
| 2036 | 195,529 | 71,211 | 266,740 | 221,980 | 78,641 | 300,621 | 248,395 | 86,071 | 334,466 | 2.58% | 0.47% | 2.01% | 2.64% | 0.91% | 2.18% | 2.69% | 1.69% | 2.43% |
| 2037 | 198,824 | 71,690 | 270,514 | 225,860 | 78,883 | 304,743 | 252,886 | 86,604 | 339,490 | 1.69% | 0.67% | 1.41% | 1.75% | 0.31% | 1.37% | 1.81% | 0.62% | 1.50% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 302 | 36 | 338 | 318 | 37 | 354 | 333 | 38 | 370 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 303 | 36 | 339 | 323 | 37 | 360 | 342 | 39 | 380 | 0.19% | -0.47% | 0.12% | 1.55% | 1.14% | 1.51% | 2.75% | 2.44% | 2.72% |
| 2020 | 305 | 36 | 340 | 328 | 37 | 365 | 351 | 39 | 389 | 0.52% | 0.00% | 0.47% | 1.63% | 1.13% | 1.58% | 2.56% | 0.22% | 2.32% |
| 2021 | 307 | 36 | 343 | 333 | 38 | 371 | 359 | 40 | 399 | 0.85% | 0.00% | 0.76% | 1.60% | 0.45% | 1.48% | 2.42% | 2.38% | 2.42% |
| 2022 | 310 | 36 | 346 | 339 | 38 | 376 | 368 | 40 | 407 | 1.00% | 0.00% | 0.90% | 1.75% | 0.00% | 1.57% | 2.34% | 0.21% | 2.13% |
| 2023 | 314 | 36 | 349 | 345 | 38 | 383 | 376 | 40 | 417 | 1.15% | 0.00% | 1.04% | 1.82% | 1.56% | 1.79% | 2.34% | 2.11% | 2.31% |
| 2024 | 318 | 36 | 354 | 352 | 39 | 390 | 385 | 41 | 426 | 1.30% | 0.94% | 1.26% | 1.86% | 1.09% | 1.78% | 2.35% | 0.21% | 2.14% |
| 2025 | 322 | 36 | 359 | 358 | 39 | 397 | 394 | 41 | 435 | 1.42% | 0.93% | 1.37% | 1.90% | 0.00% | 1.71% | 2.29% | 2.06% | 2.27% |
| 2026 | 327 | 36 | 364 | 365 | 39 | 404 | 403 | 42 | 444 | 1.55% | 0.46% | 1.44% | 1.93% | 0.87% | 1.83% | 2.31% | 0.40% | 2.13% |
| 2027 | 333 | 37 | 369 | 373 | 39 | 412 | 412 | 42 | 454 | 1.68% | 0.46% | 1.56% | 2.05% | 1.50% | 2.00% | 2.28% | 1.61% | 2.21% |
| 2028 | 339 | 37 | 375 | 380 | 40 | 419 | 421 | 43 | 464 | 1.68% | 0.00% | 1.51% | 1.95% | 0.21% | 1.78% | 2.22% | 0.79% | 2.09% |
| 2029 | 345 | 37 | 381 | 388 | 40 | 428 | 431 | 43 | 474 | 1.77% | 0.23% | 1.62% | 2.08% | 0.84% | 1.97% | 2.33% | 1.18% | 2.23% |
| 2030 | 351 | 37 | 388 | 396 | 40 | 436 | 441 | 44 | 484 | 1.91% | 1.37% | 1.86% | 2.13% | 1.46% | 2.07% | 2.28% | 1.16% | 2.18% |
| 2031 | 358 | 37 | 395 | 404 | 41 | 445 | 451 | 44 | 495 | 1.88% | 0.90% | 1.78% | 2.08% | 0.21% | 1.91% | 2.25% | 0.96% | 2.13% |
| 2032 | 365 | 38 | 402 | 413 | 41 | 454 | 461 | 45 | 506 | 2.00% | 0.22% | 1.84% | 2.19% | 1.03% | 2.08% | 2.29% | 1.33% | 2.21% |
| 2033 | 372 | 38 | 410 | 422 | 42 | 464 | 472 | 45 | 516 | 2.08% | 0.22% | 1.91% | 2.16% | 1.43% | 2.09% | 2.24% | 0.94% | 2.13% |
| 2034 | 380 | 38 | 418 | 431 | 42 | 473 | 482 | 46 | 528 | 2.01% | 1.33% | 1.95% | 2.15% | 0.20% | 1.98% | 2.28% | 1.30% | 2.19% |
| 2035 | 388 | 39 | 427 | 441 | 42 | 483 | 493 | 46 | 539 | 2.13% | 1.09% | 2.03% | 2.20% | 1.80% | 2.17% | 2.25% | 1.10% | 2.15% |
| 2036 | 396 | 39 | 435 | 450 | 43 | 493 | 504 | 47 | 551 | 2.13% | 0.00% | 1.93% | 2.18% | 0.39% | 2.02% | 2.23% | 1.09% | 2.13% |
| 2037 | 405 | 39 | 444 | 460 | 43 | 503 | 516 | 47 | 563 | 2.19% | 1.30% | 2.11% | 2.22% | 0.98% | 2.11% | 2.30% | 1.25% | 2.21% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.96% |
| Medium: | 42.05% |
| Low: | 31.30% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

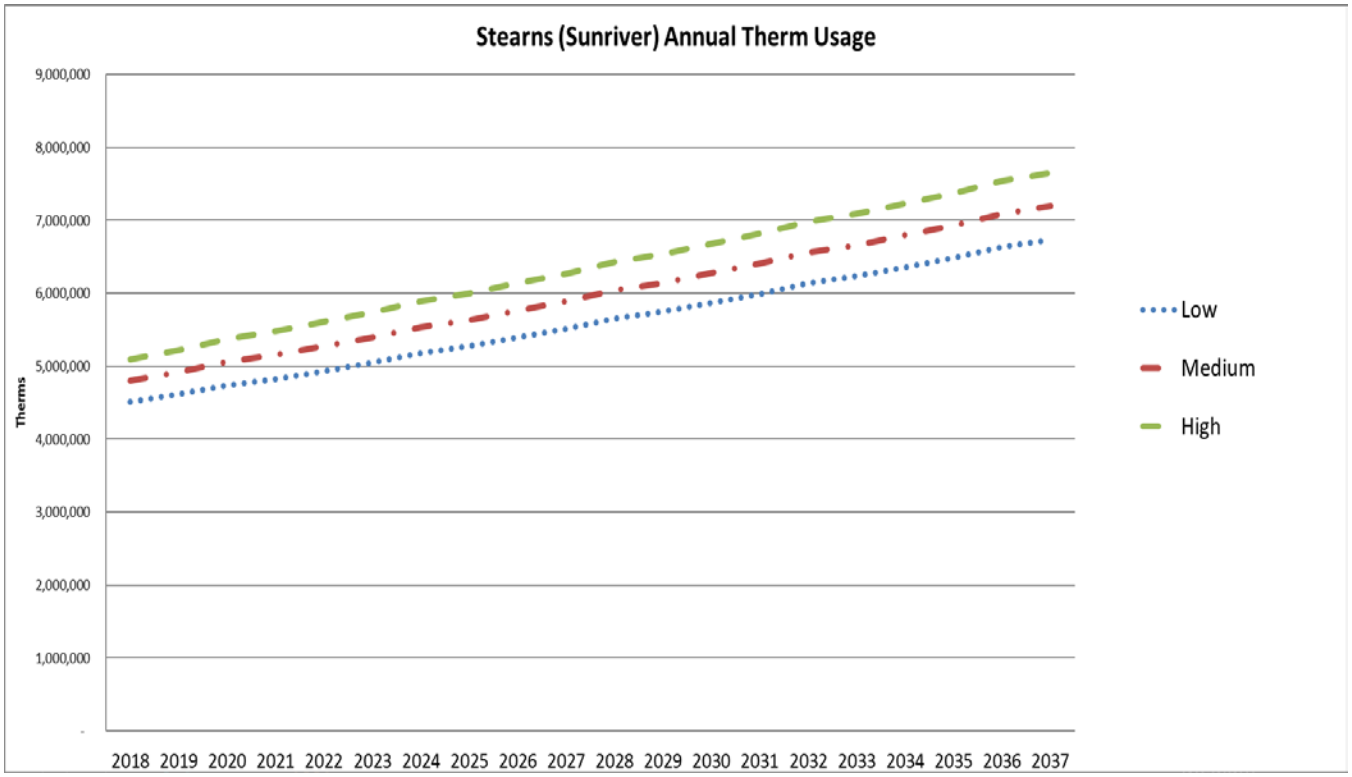
## Stearns (Sunriver)

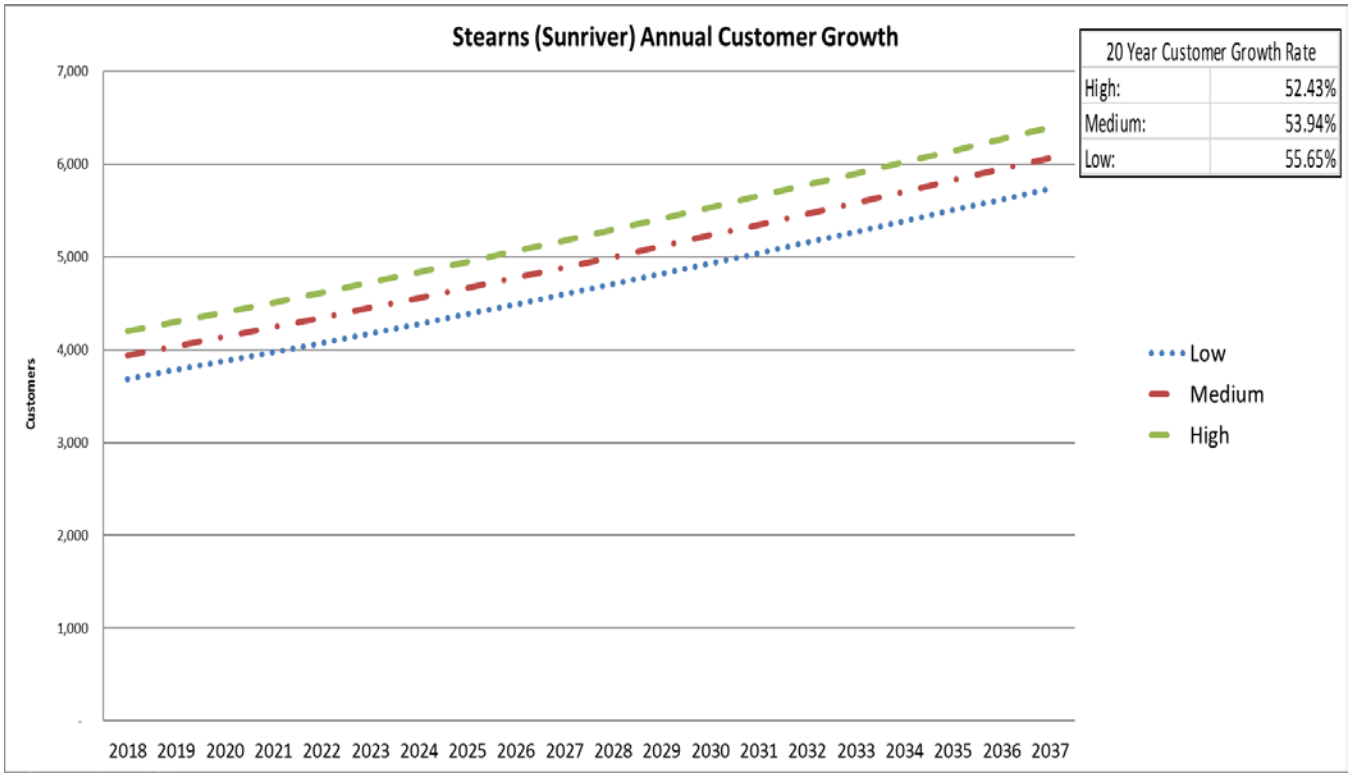
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,727,566 | 1,785,732 | 4,513,298 | 2,906,608 | 1,894,506 | 4,801,113 | 3,083,109 | 2,006,303 | 5,089,412 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,792,246 | 1,822,617 | 4,614,863 | 2,978,659 | 1,938,621 | 4,917,281 | 3,156,096 | 2,070,100 | 5,226,196 | 2.37% | 2.07% | 2.25% | 2.48% | 2.33% | 2.42% | 2.37% | 3.18% | 2.69% |
| 2020 | 2,882,684 | 1,856,774 | 4,739,458 | 3,064,433 | 1,995,483 | 5,059,916 | 3,256,722 | 2,115,399 | 5,372,121 | 3.24% | 1.87% | 2.70% | 2.88% | 2.93% | 2.90% | 3.19% | 2.19% | 2.79% |
| 2021 | 2,932,084 | 1,894,547 | 4,826,631 | 3,121,078 | 2,037,463 | 5,158,541 | 3,318,590 | 2,161,585 | 5,480,175 | 1.71% | 2.03% | 1.84% | 1.85% | 2.10% | 1.95% | 1.90% | 2.18% | 2.01% |
| 2022 | 3,003,235 | 1,933,207 | 4,936,442 | 3,195,841 | 2,080,035 | 5,275,876 | 3,390,185 | 2,223,542 | 5,613,728 | 2.43% | 2.04% | 2.28% | 2.40% | 2.09% | 2.27% | 2.16% | 2.87% | 2.44% |
| 2023 | 3,075,603 | 1,972,164 | 5,047,766 | 3,271,191 | 2,122,902 | 5,394,093 | 3,468,377 | 2,270,617 | 5,738,994 | 2.41% | 2.02% | 2.26% | 2.36% | 2.06% | 2.24% | 2.31% | 2.12% | 2.23% |
| 2024 | 3,170,640 | 2,011,416 | 5,182,056 | 3,370,014 | 2,166,657 | 5,536,671 | 3,575,200 | 2,318,283 | 5,893,483 | 3.09% | 1.99% | 2.66% | 3.02% | 2.06% | 2.64% | 3.08% | 2.10% | 2.69% |
| 2025 | 3,223,726 | 2,051,556 | 5,275,281 | 3,423,710 | 2,210,708 | 5,634,418 | 3,638,995 | 2,366,541 | 6,005,536 | 1.67% | 2.00% | 1.80% | 1.59% | 2.03% | 1.77% | 1.78% | 2.08% | 1.90% |
| 2026 | 3,299,851 | 2,091,696 | 5,391,546 | 3,507,249 | 2,252,032 | 5,759,280 | 3,709,248 | 2,430,569 | 6,139,817 | 2.36% | 1.96% | 2.20% | 2.44% | 1.87% | 2.22% | 1.93% | 2.71% | 2.24% |
| 2027 | 3,376,523 | 2,132,723 | 5,509,247 | 3,590,503 | 2,296,970 | 5,887,474 | 3,795,993 | 2,476,396 | 6,272,389 | 2.32% | 1.96% | 2.18% | 2.37% | 2.00% | 2.23% | 2.34% | 1.89% | 2.16% |
| 2028 | 3,477,885 | 2,174,047 | 5,651,932 | 3,701,257 | 2,342,501 | 6,043,758 | 3,904,558 | 2,526,133 | 6,430,691 | 3.00% | 1.94% | 2.59% | 3.08% | 1.98% | 2.65% | 2.86% | 2.01% | 2.52% |
| 2029 | 3,531,805 | 2,215,666 | 5,747,471 | 3,744,982 | 2,400,482 | 6,145,464 | 3,969,821 | 2,573,143 | 6,542,964 | 1.55% | 1.91% | 1.69% | 1.18% | 2.48% | 1.68% | 1.67% | 1.86% | 1.75% |
| 2030 | 3,611,114 | 2,258,174 | 5,869,288 | 3,830,414 | 2,446,901 | 6,277,315 | 4,045,636 | 2,635,628 | 6,681,263 | 2.25% | 1.92% | 2.12% | 2.28% | 1.93% | 2.15% | 1.91% | 2.43% | 2.11% |
| 2031 | 3,694,875 | 2,297,361 | 5,992,237 | 3,914,943 | 2,490,295 | 6,405,238 | 4,136,034 | 2,683,229 | 6,819,264 | 2.32% | 1.74% | 2.09% | 2.21% | 1.77% | 2.04% | 2.23% | 1.81% | 2.07% |
| 2032 | 3,798,955 | 2,339,869 | 6,138,824 | 4,027,626 | 2,533,986 | 6,561,612 | 4,253,011 | 2,731,127 | 6,984,138 | 2.82% | 1.85% | 2.45% | 2.88% | 1.75% | 2.44% | 2.83% | 1.79% | 2.42% |
| 2033 | 3,853,907 | 2,382,968 | 6,236,874 | 4,082,216 | 2,581,292 | 6,663,508 | 4,314,505 | 2,779,321 | 7,093,825 | 1.45% | 1.84% | 1.60% | 1.36% | 1.87% | 1.55% | 1.45% | 1.76% | 1.57% |
| 2034 | 3,937,568 | 2,423,043 | 6,360,611 | 4,168,633 | 2,625,279 | 6,793,912 | 4,408,791 | 2,824,491 | 7,233,282 | 2.17% | 1.68% | 1.98% | 2.12% | 1.70% | 1.96% | 2.19% | 1.63% | 1.97% |
| 2035 | 4,018,182 | 2,466,438 | 6,484,620 | 4,257,269 | 2,669,857 | 6,927,126 | 4,482,381 | 2,888,455 | 7,370,836 | 2.05% | 1.79% | 1.95% | 2.13% | 1.70% | 1.96% | 1.67% | 2.26% | 1.90% |
| 2036 | 4,129,013 | 2,507,105 | 6,636,118 | 4,377,840 | 2,714,732 | 7,092,571 | 4,607,938 | 2,933,921 | 7,541,859 | 2.76% | 1.65% | 2.34% | 2.83% | 1.68% | 2.39% | 2.80% | 1.57% | 2.32% |
| 2037 | 4,186,109 | 2,547,773 | 6,733,882 | 4,423,297 | 2,771,465 | 7,194,762 | 4,666,187 | 2,983,298 | 7,649,485 | 1.38% | 1.62% | 1.47% | 1.04% | 2.09% | 1.44% | 1.26% | 1.68% | 1.43% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 4,892 | 43,380 | 48,273 | 5,190 | 43,822 | 49,012 | 5,497 | 44,262 | 49,759 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,993 | 44,416 | 49,410 | 5,311 | 44,856 | 50,167 | 5,672 | 45,259 | 50,931 | 2.07% | 2.39% | 2.36% | 2.33% | 2.36% | 2.36% | 3.18% | 2.25% | 2.36% |
| 2020 | 5,087 | 45,481 | 50,568 | 5,467 | 45,876 | 51,343 | 5,796 | 46,329 | 52,125 | 1.87% | 2.40% | 2.34% | 2.93% | 2.27% | 2.34% | 2.19% | 2.36% | 2.34% |
| 2021 | 5,191 | 46,646 | 51,837 | 5,582 | 47,049 | 52,631 | 5,922 | 47,511 | 53,433 | 2.03% | 2.56% | 2.51% | 2.10% | 2.56% | 2.51% | 2.18% | 2.55% | 2.51% |
| 2022 | 5,296 | 47,730 | 53,027 | 5,699 | 48,141 | 53,840 | 6,092 | 48,567 | 54,659 | 2.04% | 2.32% | 2.30% | 2.09% | 2.32% | 2.30% | 2.87% | 2.22% | 2.30% |
| 2023 | 5,403 | 48,835 | 54,238 | 5,816 | 49,253 | 55,069 | 6,221 | 49,687 | 55,908 | 2.02% | 2.31% | 2.28% | 2.06% | 2.31% | 2.28% | 2.12% | 2.30% | 2.28% |
| 2024 | 5,511 | 49,949 | 55,460 | 5,936 | 50,374 | 56,310 | 6,351 | 50,816 | 57,167 | 1.99% | 2.28% | 2.25% | 2.06% | 2.28% | 2.25% | 2.10% | 2.27% | 2.25% |
| 2025 | 5,621 | 51,082 | 56,703 | 6,057 | 51,515 | 57,572 | 6,484 | 51,965 | 58,448 | 2.00% | 2.27% | 2.24% | 2.03% | 2.27% | 2.24% | 2.08% | 2.26% | 2.24% |
| 2026 | 5,731 | 52,236 | 57,967 | 6,170 | 52,685 | 58,855 | 6,659 | 53,092 | 59,751 | 1.96% | 2.26% | 2.23% | 1.87% | 2.27% | 2.23% | 2.71% | 2.17% | 2.23% |
| 2027 | 5,843 | 53,360 | 59,203 | 6,293 | 53,817 | 60,110 | 6,785 | 54,241 | 61,026 | 1.96% | 2.15% | 2.13% | 2.00% | 2.15% | 2.13% | 1.89% | 2.16% | 2.13% |
| 2028 | 5,956 | 54,542 | 60,499 | 6,418 | 55,008 | 61,426 | 6,921 | 55,440 | 62,361 | 1.94% | 2.22% | 2.19% | 1.98% | 2.21% | 2.19% | 2.01% | 2.21% | 2.19% |
| 2029 | 6,070 | 55,707 | 61,777 | 6,577 | 56,147 | 62,724 | 7,050 | 56,630 | 63,679 | 1.91% | 2.14% | 2.11% | 2.48% | 2.07% | 2.11% | 1.86% | 2.15% | 2.11% |
| 2030 | 6,187 | 57,018 | 63,205 | 6,704 | 57,470 | 64,174 | 7,221 | 57,930 | 65,151 | 1.92% | 2.35% | 2.31% | 1.93% | 2.36% | 2.31% | 2.43% | 2.30% | 2.31% |
| 2031 | 6,294 | 58,211 | 64,505 | 6,823 | 58,671 | 65,493 | 7,351 | 59,139 | 66,491 | 1.74% | 2.09% | 2.06% | 1.77% | 2.09% | 2.06% | 1.81% | 2.09% | 2.06% |
| 2032 | 6,411 | 59,405 | 65,815 | 6,942 | 59,881 | 66,824 | 7,483 | 60,359 | 67,841 | 1.85% | 2.05% | 2.03% | 1.75% | 2.06% | 2.03% | 1.79% | 2.06% | 2.03% |
| 2033 | 6,529 | 60,607 | 67,136 | 7,072 | 61,093 | 68,165 | 7,615 | 61,588 | 69,203 | 1.84% | 2.02% | 2.01% | 1.87% | 2.02% | 2.01% | 1.76% | 2.04% | 2.01% |
| 2034 | 6,638 | 61,829 | 68,468 | 7,193 | 62,325 | 69,517 | 7,738 | 62,837 | 70,576 | 1.68% | 2.02% | 1.98% | 1.70% | 2.02% | 1.98% | 1.63% | 2.03% | 1.98% |
| 2035 | 6,757 | 63,042 | 69,799 | 7,315 | 63,554 | 70,869 | 7,914 | 64,035 | 71,948 | 1.79% | 1.96% | 1.94% | 1.70% | 1.97% | 1.94% | 2.26% | 1.91% | 1.94% |
| 2036 | 6,869 | 64,283 | 71,152 | 7,438 | 64,805 | 72,242 | 8,038 | 65,304 | 73,342 | 1.65% | 1.97% | 1.94% | 1.68% | 1.97% | 1.94% | 1.57% | 1.98% | 1.94% |
| 2037 | 6,980 | 65,524 | 72,505 | 7,593 | 66,023 | 73,616 | 8,173 | 66,563 | 74,737 | 1.62% | 1.93% | 1.90% | 2.09% | 1.88% | 1.90% | 1.68% | 1.93% | 1.90% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,423,262 | 1,090,036 | 4,513,298 | 3,666,052 | 1,135,061 | 4,801,113 | 3,908,986 | 1,180,427 | 5,089,412 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,513,408 | 1,101,455 | 4,614,863 | 3,758,870 | 1,158,411 | 4,917,281 | 4,004,330 | 1,221,866 | 5,226,196 | 2.63% | 1.05% | 2.25% | 2.53% | 2.06% | 2.42% | 2.44% | 3.51% | 2.69% |
| 2020 | 3,621,355 | 1,118,103 | 4,739,458 | 3,870,621 | 1,189,295 | 5,059,916 | 4,119,398 | 1,252,723 | 5,372,121 | 3.07% | 1.51% | 2.70% | 2.97% | 2.67% | 2.90% | 2.87% | 2.53% | 2.79% |
| 2021 | 3,699,201 | 1,127,430 | 4,826,631 | 3,949,745 | 1,208,796 | 5,158,541 | 4,200,366 | 1,279,809 | 5,480,175 | 2.15% | 0.83% | 1.84% | 2.04% | 1.64% | 1.95% | 1.97% | 2.16% | 2.01% |
| 2022 | 3,794,729 | 1,141,713 | 4,936,442 | 4,048,048 | 1,227,828 | 5,275,876 | 4,301,216 | 1,312,512 | 5,613,728 | 2.58% | 1.27% | 2.28% | 2.49% | 1.57% | 2.27% | 2.40% | 2.56% | 2.44% |
| 2023 | 3,891,810 | 1,155,956 | 5,047,766 | 4,147,762 | 1,246,331 | 5,394,093 | 4,403,733 | 1,335,260 | 5,738,994 | 2.56% | 1.25% | 2.26% | 2.46% | 1.51% | 2.24% | 2.38% | 1.73% | 2.23% |
| 2024 | 4,007,962 | 1,174,094 | 5,182,056 | 4,267,740 | 1,268,930 | 5,536,671 | 4,527,525 | 1,365,958 | 5,893,483 | 2.98% | 1.57% | 2.66% | 2.89% | 1.81% | 2.64% | 2.81% | 2.30% | 2.69% |
| 2025 | 4,090,882 | 1,184,399 | 5,275,281 | 4,352,232 | 1,282,187 | 5,634,418 | 4,613,733 | 1,391,804 | 6,005,536 | 2.07% | 0.88% | 1.80% | 1.98% | 1.04% | 1.77% | 1.90% | 1.89% | 1.90% |
| 2026 | 4,192,906 | 1,198,641 | 5,391,546 | 4,457,289 | 1,301,991 | 5,759,280 | 4,721,312 | 1,418,505 | 6,139,817 | 2.49% | 1.20% | 2.20% | 2.41% | 1.54% | 2.22% | 2.33% | 1.92% | 2.24% |
| 2027 | 4,296,364 | 1,212,882 | 5,509,247 | 4,563,779 | 1,323,695 | 5,887,474 | 4,830,773 | 1,441,616 | 6,272,389 | 2.47% | 1.19% | 2.18% | 2.39% | 1.67% | 2.23% | 2.32% | 1.63% | 2.16% |
| 2028 | 4,421,071 | 1,230,861 | 5,651,932 | 4,692,502 | 1,351,256 | 6,043,758 | 4,963,666 | 1,467,025 | 6,430,691 | 2.90% | 1.48% | 2.59% | 2.82% | 2.08% | 2.65% | 2.75% | 1.76% | 2.52% |
| 2029 | 4,507,914 | 1,239,557 | 5,747,471 | 4,781,146 | 1,364,318 | 6,145,464 | 5,054,227 | 1,488,737 | 6,542,964 | 1.96% | 0.71% | 1.69% | 1.89% | 0.97% | 1.68% | 1.82% | 1.48% | 1.75% |
| 2030 | 4,616,322 | 1,252,965 | 5,869,288 | 4,892,227 | 1,385,088 | 6,277,315 | 5,168,314 | 1,512,949 | 6,681,263 | 2.40% | 1.08% | 2.12% | 2.32% | 1.52% | 2.15% | 2.26% | 1.63% | 2.11% |
| 2031 | 4,725,319 | 1,266,918 | 5,992,237 | 5,004,131 | 1,401,107 | 6,405,238 | 5,283,416 | 1,535,848 | 6,819,264 | 2.36% | 1.11% | 2.09% | 2.29% | 1.16% | 2.04% | 2.23% | 1.51% | 2.07% |
| 2032 | 4,856,249 | 1,282,575 | 6,138,824 | 5,139,772 | 1,421,840 | 6,561,612 | 5,423,107 | 1,561,031 | 6,984,138 | 2.77% | 1.24% | 2.45% | 2.71% | 1.48% | 2.44% | 2.64% | 1.64% | 2.42% |
| 2033 | 4,945,886 | 1,290,988 | 6,236,874 | 5,231,303 | 1,432,205 | 6,663,508 | 5,516,557 | 1,577,269 | 7,093,825 | 1.85% | 0.66% | 1.60% | 1.78% | 0.73% | 1.55% | 1.72% | 1.04% | 1.57% |
| 2034 | 5,057,721 | 1,302,890 | 6,360,611 | 5,346,057 | 1,447,855 | 6,793,912 | 5,634,148 | 1,599,134 | 7,233,282 | 2.26% | 0.92% | 1.98% | 2.19% | 1.09% | 1.96% | 2.13% | 1.39% | 1.97% |
| 2035 | 5,169,939 | 1,314,681 | 6,484,620 | 5,461,308 | 1,465,818 | 6,927,126 | 5,752,723 | 1,618,113 | 7,370,836 | 2.22% | 0.90% | 1.95% | 2.16% | 1.24% | 1.96% | 2.10% | 1.19% | 1.90% |
| 2036 | 5,306,589 | 1,329,529 | 6,636,118 | 5,602,498 | 1,490,073 | 7,092,571 | 5,898,439 | 1,643,420 | 7,541,859 | 2.64% | 1.13% | 2.34% | 2.59% | 1.65% | 2.39% | 2.53% | 1.56% | 2.32% |
| 2037 | 5,397,807 | 1,336,075 | 6,733,882 | 5,695,548 | 1,499,214 | 7,194,762 | 5,993,357 | 1,656,128 | 7,649,485 | 1.72% | 0.49% | 1.47% | 1.66% | 0.61% | 1.44% | 1.61% | 0.77% | 1.43% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,462 | 225 | 3,687 | 3,710 | 232 | 3,942 | 3,957 | 239 | 4,196 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,553 | 227 | 3,781 | 3,804 | 236 | 4,040 | 4,054 | 246 | 4,300 | 2.64% | 1.07% | 2.54% | 2.53% | 1.90% | 2.49% | 2.44% | 2.86% | 2.46% |
| 2020 | 3,647 | 230 | 3,877 | 3,900 | 241 | 4,141 | 4,152 | 251 | 4,404 | 2.63% | 1.17% | 2.54% | 2.52% | 2.01% | 2.49% | 2.42% | 2.20% | 2.41% |
| 2021 | 3,741 | 233 | 3,974 | 3,997 | 246 | 4,242 | 4,252 | 257 | 4,510 | 2.60% | 1.20% | 2.52% | 2.50% | 1.80% | 2.46% | 2.41% | 2.29% | 2.41% |
| 2022 | 3,838 | 236 | 4,074 | 4,096 | 250 | 4,346 | 4,354 | 263 | 4,617 | 2.58% | 1.29% | 2.51% | 2.49% | 1.63% | 2.44% | 2.40% | 2.20% | 2.39% |
| 2023 | 3,936 | 239 | 4,175 | 4,197 | 253 | 4,451 | 4,458 | 268 | 4,726 | 2.56% | 1.27% | 2.49% | 2.46% | 1.57% | 2.41% | 2.38% | 1.84% | 2.35% |
| 2024 | 4,036 | 242 | 4,278 | 4,300 | 257 | 4,557 | 4,564 | 273 | 4,836 | 2.54% | 1.26% | 2.47% | 2.45% | 1.55% | 2.40% | 2.36% | 1.93% | 2.34% |
| 2025 | 4,138 | 245 | 4,383 | 4,405 | 261 | 4,666 | 4,671 | 278 | 4,949 | 2.52% | 1.24% | 2.45% | 2.43% | 1.42% | 2.37% | 2.35% | 1.92% | 2.33% |
| 2026 | 4,241 | 248 | 4,489 | 4,511 | 265 | 4,776 | 4,780 | 283 | 5,063 | 2.50% | 1.23% | 2.42% | 2.41% | 1.50% | 2.36% | 2.33% | 1.74% | 2.30% |
| 2027 | 4,346 | 251 | 4,597 | 4,619 | 269 | 4,888 | 4,891 | 288 | 5,178 | 2.47% | 1.21% | 2.40% | 2.39% | 1.51% | 2.34% | 2.32% | 1.65% | 2.28% |
| 2028 | 4,453 | 254 | 4,706 | 4,728 | 273 | 5,001 | 5,003 | 292 | 5,295 | 2.45% | 1.16% | 2.38% | 2.37% | 1.55% | 2.32% | 2.29% | 1.51% | 2.25% |
| 2029 | 4,560 | 257 | 4,817 | 4,839 | 277 | 5,116 | 5,117 | 297 | 5,414 | 2.42% | 1.08% | 2.35% | 2.35% | 1.28% | 2.29% | 2.28% | 1.63% | 2.25% |
| 2030 | 4,670 | 259 | 4,930 | 4,951 | 280 | 5,232 | 5,233 | 301 | 5,534 | 2.41% | 1.10% | 2.34% | 2.32% | 1.39% | 2.27% | 2.26% | 1.52% | 2.22% |
| 2031 | 4,781 | 262 | 5,043 | 5,065 | 284 | 5,349 | 5,349 | 305 | 5,655 | 2.36% | 1.12% | 2.30% | 2.29% | 1.19% | 2.23% | 2.23% | 1.41% | 2.18% |
| 2032 | 4,892 | 265 | 5,156 | 5,179 | 287 | 5,466 | 5,467 | 309 | 5,776 | 2.33% | 0.92% | 2.25% | 2.26% | 1.20% | 2.20% | 2.20% | 1.31% | 2.15% |
| 2033 | 5,004 | 267 | 5,271 | 5,295 | 290 | 5,585 | 5,585 | 313 | 5,899 | 2.29% | 1.01% | 2.23% | 2.23% | 1.10% | 2.17% | 2.17% | 1.29% | 2.12% |
| 2034 | 5,117 | 270 | 5,387 | 5,411 | 293 | 5,704 | 5,704 | 317 | 6,022 | 2.26% | 0.94% | 2.20% | 2.19% | 1.06% | 2.14% | 2.13% | 1.22% | 2.09% |
| 2035 | 5,231 | 272 | 5,503 | 5,528 | 297 | 5,824 | 5,825 | 321 | 6,146 | 2.22% | 0.93% | 2.16% | 2.16% | 1.11% | 2.11% | 2.11% | 1.21% | 2.06% |
| 2036 | 5,346 | 275 | 5,620 | 5,646 | 300 | 5,946 | 5,946 | 325 | 6,271 | 2.20% | 0.80% | 2.13% | 2.14% | 1.12% | 2.09% | 2.08% | 1.12% | 2.03% |
| 2037 | 5,462 | 277 | 5,739 | 5,765 | 303 | 6,068 | 6,068 | 328 | 6,397 | 2.17% | 0.85% | 2.10% | 2.11% | 0.92% | 2.05% | 2.06% | 1.13% | 2.01% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 52.43% |
| Medium: | 53.94% |
| Low: | 55.65% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

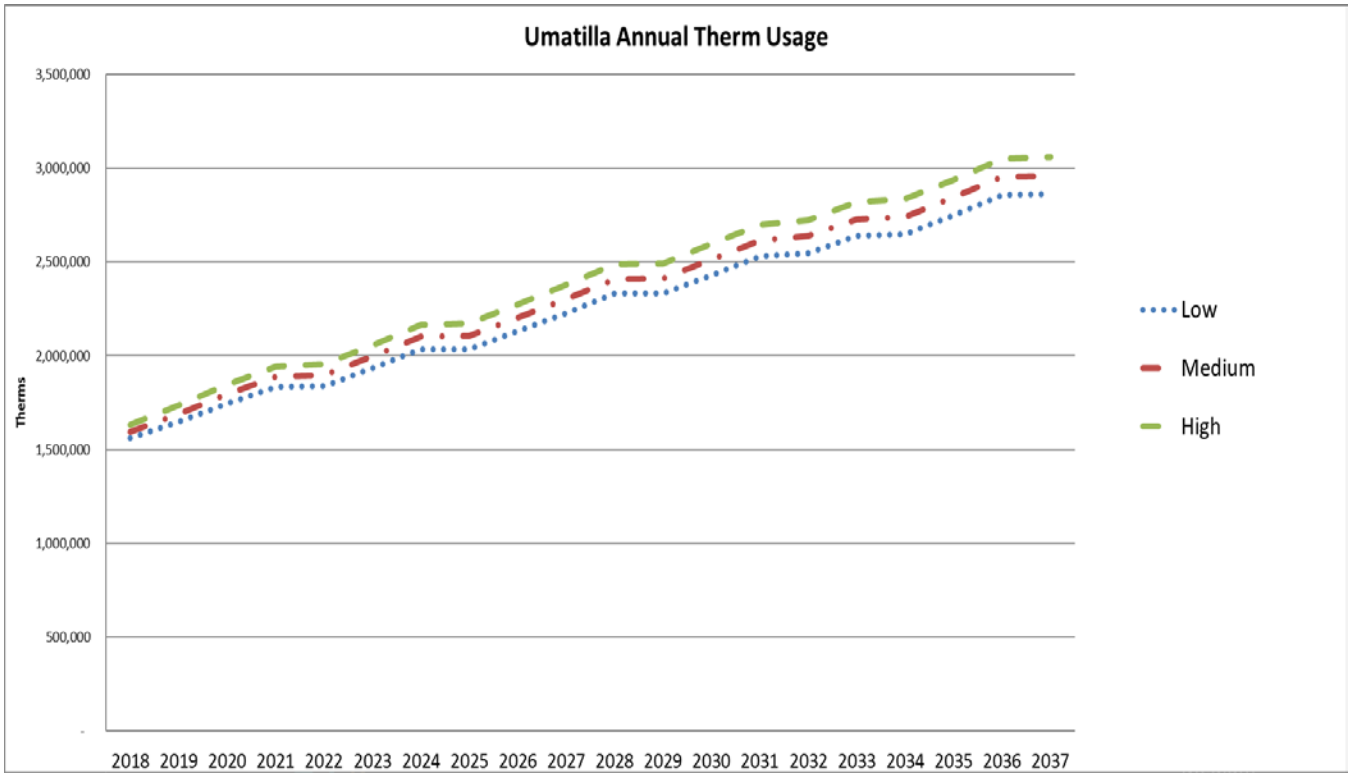
## Umatilla

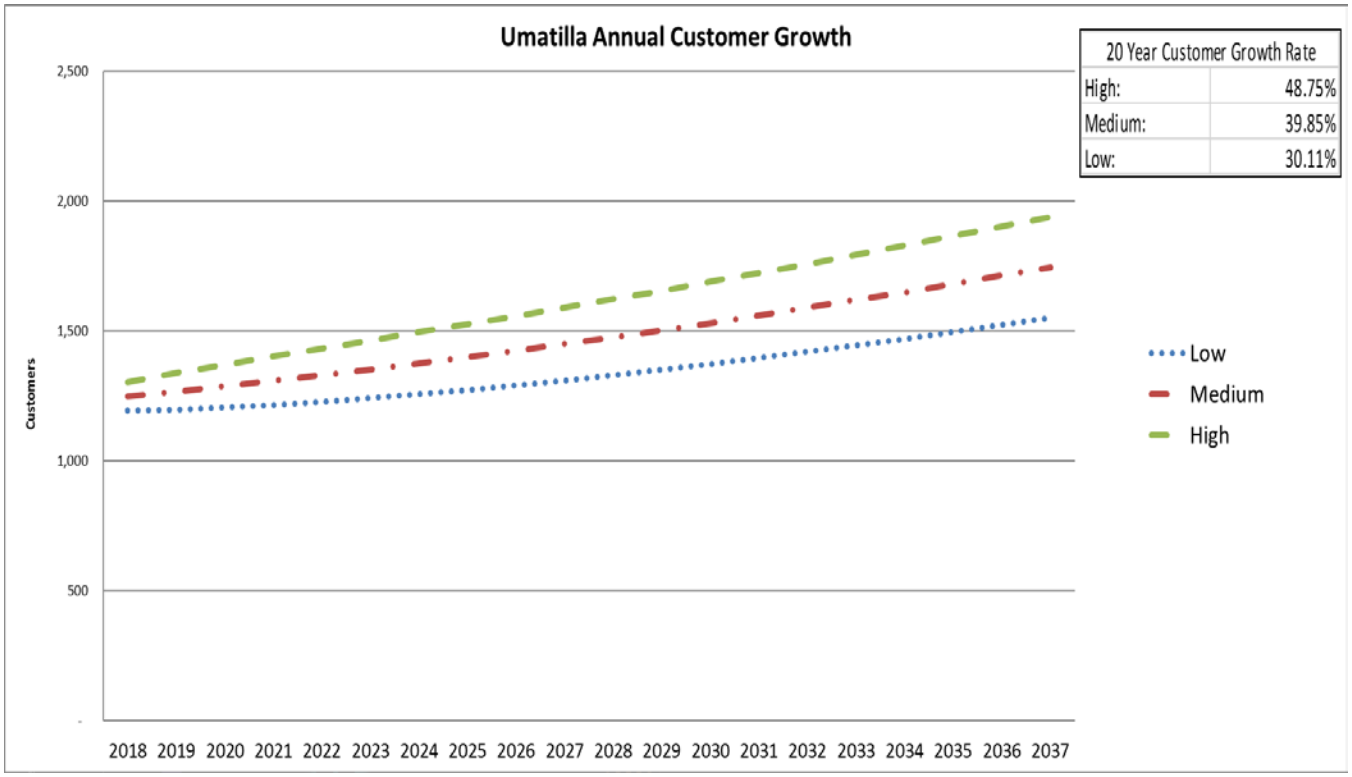
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 685,114 | 877,149 | 1,562,263 | 705,639 | 890,630 | 1,596,269 | 723,742 | 907,185 | 1,630,927 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 710,748 | 939,681 | 1,650,429 | 735,538 | 957,389 | 1,692,927 | 760,340 | 975,097 | 1,735,437 | 3.74% | 7.13% | 5.64% | 4.24% | 7.50% | 6.06% | 5.06% | 7.49% | 6.41% |
| 2020 | 744,035 | 1,002,390 | 1,746,425 | 773,414 | 1,022,655 | 1,796,069 | 802,652 | 1,042,743 | 1,845,394 | 4.68% | 6.67% | 5.82% | 5.15% | 6.82% | 6.09% | 5.56% | 6.94% | 6.34% |
| 2021 | 764,174 | 1,068,439 | 1,832,613 | 797,948 | 1,089,414 | 1,887,362 | 829,602 | 1,111,970 | 1,941,572 | 2.71% | 6.59% | 4.94% | 3.17% | 6.53% | 5.08% | 3.36% | 6.64% | 5.21% |
| 2022 | 767,421 | 1,070,819 | 1,838,239 | 802,996 | 1,094,173 | 1,897,169 | 838,605 | 1,117,439 | 1,956,044 | 0.42% | 0.22% | 0.31% | 0.63% | 0.44% | 0.52% | 1.09% | 0.49% | 0.75% |
| 2023 | 798,163 | 1,135,553 | 1,933,716 | 836,161 | 1,159,617 | 1,995,778 | 872,082 | 1,185,085 | 2,057,166 | 4.01% | 6.05% | 5.19% | 4.13% | 5.98% | 5.20% | 3.99% | 6.05% | 5.17% |
| 2024 | 835,525 | 1,200,464 | 2,035,989 | 875,035 | 1,226,642 | 2,101,676 | 914,432 | 1,252,819 | 2,167,251 | 4.68% | 5.72% | 5.29% | 4.65% | 5.78% | 5.31% | 4.86% | 5.72% | 5.35% |
| 2025 | 830,956 | 1,204,780 | 2,035,736 | 873,152 | 1,231,579 | 2,104,730 | 916,285 | 1,258,377 | 2,174,662 | -0.55% | 0.36% | -0.01% | -0.22% | 0.40% | 0.15% | 0.20% | 0.44% | 0.34% |
| 2026 | 861,767 | 1,269,869 | 2,131,636 | 904,806 | 1,298,692 | 2,203,498 | 948,766 | 1,327,605 | 2,276,371 | 3.71% | 5.40% | 4.71% | 3.63% | 5.45% | 4.69% | 3.54% | 5.50% | 4.68% |
| 2027 | 892,860 | 1,335,046 | 2,227,906 | 937,045 | 1,365,983 | 2,303,028 | 982,779 | 1,395,428 | 2,378,207 | 3.61% | 5.13% | 4.52% | 3.56% | 5.18% | 4.52% | 3.59% | 5.11% | 4.47% |
| 2028 | 932,228 | 1,400,401 | 2,332,629 | 979,052 | 1,431,781 | 2,410,834 | 1,024,851 | 1,463,251 | 2,488,102 | 4.41% | 4.90% | 4.70% | 4.48% | 4.82% | 4.68% | 4.28% | 4.86% | 4.62% |
| 2029 | 931,020 | 1,403,579 | 2,334,599 | 977,822 | 1,437,073 | 2,414,895 | 1,025,921 | 1,468,898 | 2,494,819 | -0.13% | 0.23% | 0.08% | -0.13% | 0.37% | 0.17% | 0.10% | 0.39% | 0.27% |
| 2030 | 960,927 | 1,470,604 | 2,431,531 | 1,010,513 | 1,504,453 | 2,514,966 | 1,060,476 | 1,536,898 | 2,597,374 | 3.21% | 4.78% | 4.15% | 3.34% | 4.69% | 4.14% | 3.37% | 4.63% | 4.11% |
| 2031 | 991,737 | 1,537,540 | 2,529,277 | 1,042,953 | 1,572,010 | 2,614,963 | 1,094,773 | 1,604,899 | 2,699,672 | 3.21% | 4.55% | 4.02% | 3.21% | 4.49% | 3.98% | 3.23% | 4.42% | 3.94% |
| 2032 | 1,008,415 | 1,541,073 | 2,549,488 | 1,060,354 | 1,577,391 | 2,637,744 | 1,112,490 | 1,612,216 | 2,724,705 | 1.68% | 0.23% | 0.80% | 1.67% | 0.34% | 0.87% | 1.62% | 0.46% | 0.93% |
| 2033 | 1,030,136 | 1,608,275 | 2,638,411 | 1,083,893 | 1,644,948 | 2,728,841 | 1,138,380 | 1,680,305 | 2,818,685 | 2.15% | 4.36% | 3.49% | 2.22% | 4.28% | 3.45% | 2.33% | 4.22% | 3.45% |
| 2034 | 1,036,700 | 1,613,389 | 2,650,090 | 1,093,213 | 1,649,013 | 2,742,226 | 1,148,738 | 1,686,218 | 2,834,956 | 0.64% | 0.32% | 0.44% | 0.86% | 0.25% | 0.49% | 0.91% | 0.35% | 0.58% |
| 2035 | 1,070,733 | 1,679,188 | 2,749,920 | 1,126,631 | 1,716,836 | 2,843,467 | 1,184,280 | 1,754,395 | 2,938,675 | 3.28% | 4.08% | 3.77% | 3.06% | 4.11% | 3.69% | 3.09% | 4.04% | 3.66% |
| 2036 | 1,112,492 | 1,746,567 | 2,859,060 | 1,170,821 | 1,784,570 | 2,955,391 | 1,228,020 | 1,824,155 | 3,052,175 | 3.90% | 4.01% | 3.97% | 3.92% | 3.95% | 3.94% | 3.69% | 3.98% | 3.86% |
| 2037 | 1,109,656 | 1,751,948 | 2,861,604 | 1,169,604 | 1,790,306 | 2,959,910 | 1,229,437 | 1,828,752 | 3,058,190 | -0.25% | 0.31% | 0.09% | -0.10% | 0.32% | 0.15% | 0.12% | 0.25% | 0.20% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 2,403 | 12,086 | 14,490 | 2,440 | 12,272 | 14,712 | 2,485 | 12,450 | 14,936 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,574 | 12,707 | 15,281 | 2,623 | 12,892 | 15,515 | 2,671 | 13,080 | 15,752 | 7.13% | 5.13% | 5.46% | 7.50% | 5.06% | 5.46% | 7.49% | 5.06% | 5.46% |
| 2020 | 2,746 | 13,299 | 16,045 | 2,802 | 13,489 | 16,291 | 2,857 | 13,682 | 16,539 | 6.67% | 4.66% | 5.00% | 6.82% | 4.63% | 5.00% | 6.94% | 4.60% | 5.00% |
| 2021 | 2,927 | 13,915 | 16,843 | 2,985 | 14,116 | 17,101 | 3,046 | 14,315 | 17,361 | 6.59% | 4.64% | 4.97% | 6.53% | 4.65% | 4.97% | 6.64% | 4.62% | 4.97% |
| 2022 | 2,934 | 14,030 | 16,964 | 2,998 | 14,226 | 17,223 | 3,061 | 14,424 | 17,486 | 0.22% | 0.82% | 0.72% | 0.44% | 0.78% | 0.72% | 0.49% | 0.77% | 0.72% |
| 2023 | 3,111 | 14,623 | 17,734 | 3,177 | 14,828 | 18,005 | 3,247 | 15,033 | 18,280 | 6.05% | 4.23% | 4.54% | 5.98% | 4.24% | 4.54% | 6.05% | 4.22% | 4.54% |
| 2024 | 3,289 | 15,249 | 18,538 | 3,361 | 15,461 | 18,822 | 3,432 | 15,676 | 19,108 | 5.72% | 4.28% | 4.53% | 5.78% | 4.27% | 4.53% | 5.72% | 4.28% | 4.53% |
| 2025 | 3,301 | 15,340 | 18,640 | 3,374 | 15,552 | 18,926 | 3,448 | 15,767 | 19,214 | 0.36% | 0.60% | 0.55% | 0.40% | 0.59% | 0.55% | 0.44% | 0.58% | 0.55% |
| 2026 | 3,479 | 15,972 | 19,451 | 3,558 | 16,191 | 19,749 | 3,637 | 16,412 | 20,049 | 5.40% | 4.12% | 4.35% | 5.45% | 4.11% | 4.35% | 5.50% | 4.09% | 4.35% |
| 2027 | 3,658 | 16,569 | 20,227 | 3,742 | 16,795 | 20,537 | 3,823 | 17,027 | 20,850 | 5.13% | 3.74% | 3.99% | 5.18% | 3.73% | 3.99% | 5.11% | 3.74% | 3.99% |
| 2028 | 3,837 | 17,207 | 21,044 | 3,923 | 17,443 | 21,366 | 4,009 | 17,682 | 21,691 | 4.90% | 3.85% | 4.04% | 4.82% | 3.86% | 4.04% | 4.86% | 3.85% | 4.04% |
| 2029 | 3,845 | 17,338 | 21,183 | 3,937 | 17,571 | 21,508 | 4,024 | 17,811 | 21,835 | 0.23% | 0.76% | 0.66% | 0.37% | 0.73% | 0.66% | 0.39% | 0.73% | 0.66% |
| 2030 | 4,029 | 17,974 | 22,003 | 4,122 | 18,218 | 22,340 | 4,211 | 18,470 | 22,680 | 4.78% | 3.67% | 3.87% | 4.69% | 3.69% | 3.87% | 4.63% | 3.70% | 3.87% |
| 2031 | 4,212 | 18,610 | 22,822 | 4,307 | 18,865 | 23,172 | 4,397 | 19,128 | 23,525 | 4.55% | 3.54% | 3.73% | 4.49% | 3.55% | 3.73% | 4.42% | 3.57% | 3.73% |
| 2032 | 4,222 | 18,749 | 22,972 | 4,322 | 19,002 | 23,324 | 4,417 | 19,262 | 23,679 | 0.23% | 0.75% | 0.65% | 0.34% | 0.72% | 0.65% | 0.46% | 0.70% | 0.65% |
| 2033 | 4,406 | 19,357 | 23,764 | 4,507 | 19,621 | 24,128 | 4,604 | 19,892 | 24,495 | 4.36% | 3.24% | 3.45% | 4.28% | 3.26% | 3.45% | 4.22% | 3.27% | 3.45% |
| 2034 | 4,420 | 19,492 | 23,913 | 4,518 | 19,761 | 24,279 | 4,620 | 20,029 | 24,649 | 0.32% | 0.70% | 0.63% | 0.25% | 0.71% | 0.63% | 0.35% | 0.69% | 0.63% |
| 2035 | 4,601 | 20,144 | 24,745 | 4,704 | 20,420 | 25,124 | 4,807 | 20,700 | 25,507 | 4.08% | 3.34% | 3.48% | 4.11% | 3.34% | 3.48% | 4.04% | 3.35% | 3.48% |
| 2036 | 4,785 | 20,792 | 25,577 | 4,889 | 21,080 | 25,969 | 4,998 | 21,367 | 26,364 | 4.01% | 3.21% | 3.36% | 3.95% | 3.23% | 3.36% | 3.98% | 3.22% | 3.36% |
| 2037 | 4,800 | 20,936 | 25,735 | 4,905 | 21,225 | 26,130 | 5,010 | 21,517 | 26,528 | 0.31% | 0.69% | 0.62% | 0.32% | 0.69% | 0.62% | 0.25% | 0.71% | 0.62% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 285,647 | 1,276,616 | 1,562,263 | 298,895 | 1,297,373 | 1,596,269 | 312,145 | 1,318,782 | 1,630,927 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 286,359 | 1,364,070 | 1,650,429 | 303,534 | 1,389,393 | 1,692,927 | 320,629 | 1,414,808 | 1,735,437 | 0.25% | 6.85% | 5.64% | 1.55% | 7.09% | 6.06% | 2.72% | 7.28% | 6.41% |
| 2020 | 289,386 | 1,457,038 | 1,746,425 | 309,729 | 1,486,340 | 1,796,069 | 330,132 | 1,515,262 | 1,845,394 | 1.06% | 6.82% | 5.82% | 2.04% | 6.98% | 6.09% | 2.96% | 7.10% | 6.34% |
| 2021 | 290,360 | 1,542,253 | 1,832,613 | 313,334 | 1,574,028 | 1,887,362 | 336,365 | 1,605,207 | 1,941,572 | 0.34% | 5.85% | 4.94% | 1.16% | 5.90% | 5.08% | 1.89% | 5.94% | 5.21% |
| 2022 | 293,218 | 1,545,022 | 1,838,239 | 318,619 | 1,578,550 | 1,897,169 | 344,049 | 1,611,995 | 1,956,044 | 0.98% | 0.18% | 0.31% | 1.69% | 0.29% | 0.52% | 2.28% | 0.42% | 0.75% |
| 2023 | 296,489 | 1,637,227 | 1,933,716 | 324,103 | 1,671,674 | 1,995,778 | 351,750 | 1,705,416 | 2,057,166 | 1.12% | 5.97% | 5.19% | 1.72% | 5.90% | 5.20% | 2.24% | 5.80% | 5.17% |
| 2024 | 301,586 | 1,734,403 | 2,035,989 | 331,364 | 1,770,312 | 2,101,676 | 361,326 | 1,805,925 | 2,167,251 | 1.72% | 5.94% | 5.29% | 2.24% | 5.90% | 5.31% | 2.72% | 5.89% | 5.35% |
| 2025 | 304,183 | 1,731,554 | 2,035,736 | 335,803 | 1,768,927 | 2,104,730 | 367,397 | 1,807,265 | 2,174,662 | 0.86% | -0.16% | -0.01% | 1.34% | -0.08% | 0.15% | 1.68% | 0.07% | 0.34% |
| 2026 | 308,596 | 1,823,040 | 2,131,636 | 342,025 | 1,861,473 | 2,203,498 | 375,333 | 1,901,037 | 2,276,371 | 1.45% | 5.28% | 4.71% | 1.85% | 5.23% | 4.69% | 2.16% | 5.19% | 4.68% |
| 2027 | 313,193 | 1,914,713 | 2,227,906 | 348,298 | 1,954,730 | 2,303,028 | 383,394 | 1,994,813 | 2,378,207 | 1.49% | 5.03% | 4.52% | 1.83% | 5.01% | 4.52% | 2.15% | 4.93% | 4.47% |
| 2028 | 319,697 | 2,012,932 | 2,332,629 | 356,596 | 2,054,237 | 2,410,834 | 393,496 | 2,094,606 | 2,488,102 | 2.08% | 5.13% | 4.70% | 2.38% | 5.09% | 4.68% | 2.63% | 5.00% | 4.62% |
| 2029 | 323,408 | 2,011,191 | 2,334,599 | 361,669 | 2,053,226 | 2,414,895 | 400,026 | 2,094,793 | 2,494,819 | 1.16% | -0.09% | 0.08% | 1.42% | -0.05% | 0.17% | 1.66% | 0.01% | 0.27% |
| 2030 | 328,827 | 2,102,704 | 2,431,531 | 368,693 | 2,146,273 | 2,514,966 | 408,534 | 2,188,840 | 2,597,374 | 1.68% | 4.55% | 4.15% | 1.94% | 4.53% | 4.14% | 2.13% | 4.49% | 4.11% |
| 2031 | 334,641 | 2,194,636 | 2,529,277 | 375,856 | 2,239,107 | 2,614,963 | 417,217 | 2,282,454 | 2,699,672 | 1.77% | 4.37% | 4.02% | 1.94% | 4.33% | 3.98% | 2.13% | 4.28% | 3.94% |
| 2032 | 342,277 | 2,207,211 | 2,549,488 | 385,153 | 2,252,591 | 2,637,744 | 427,976 | 2,296,729 | 2,724,705 | 2.28% | 0.57% | 0.80% | 2.47% | 0.60% | 0.87% | 2.58% | 0.63% | 0.93% |
| 2033 | 346,877 | 2,291,533 | 2,638,411 | 390,917 | 2,337,924 | 2,728,841 | 434,878 | 2,383,807 | 2,818,685 | 1.34% | 3.82% | 3.49% | 1.50% | 3.79% | 3.45% | 1.61% | 3.79% | 3.45% |
| 2034 | 353,338 | 2,296,752 | 2,650,090 | 398,693 | 2,343,532 | 2,742,226 | 444,062 | 2,390,893 | 2,834,956 | 1.86% | 0.23% | 0.44% | 1.99% | 0.24% | 0.49% | 2.11% | 0.30% | 0.58% |
| 2035 | 360,086 | 2,389,834 | 2,749,920 | 406,670 | 2,436,797 | 2,843,467 | 453,279 | 2,485,397 | 2,938,675 | 1.91% | 4.05% | 3.77% | 2.00% | 3.98% | 3.69% | 2.08% | 3.95% | 3.66% |
| 2036 | 368,646 | 2,490,414 | 2,859,060 | 416,729 | 2,538,663 | 2,955,391 | 464,851 | 2,587,324 | 3,052,175 | 2.38% | 4.21% | 3.97% | 2.47% | 4.18% | 3.94% | 2.55% | 4.10% | 3.86% |
| 2037 | 374,116 | 2,487,488 | 2,861,604 | 423,157 | 2,536,753 | 2,959,910 | 472,241 | 2,585,949 | 3,058,190 | 1.48% | -0.12% | 0.09% | 1.54% | -0.08% | 0.15% | 1.59% | -0.05% | 0.20% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,030 | 164 | 1,194 | 1,079 | 170 | 1,249 | 1,128 | 177 | 1,305 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,033 | 165 | 1,198 | 1,096 | 173 | 1,268 | 1,158 | 181 | 1,339 | 0.28% | 0.66% | 0.33% | 1.55% | 1.42% | 1.53% | 2.72% | 2.07% | 2.63% |
| 2020 | 1,039 | 166 | 1,205 | 1,113 | 175 | 1,288 | 1,187 | 184 | 1,371 | 0.61% | 0.76% | 0.63% | 1.58% | 1.50% | 1.57% | 2.48% | 1.99% | 2.42% |
| 2021 | 1,048 | 168 | 1,216 | 1,131 | 178 | 1,309 | 1,215 | 188 | 1,403 | 0.83% | 1.21% | 0.88% | 1.65% | 1.52% | 1.63% | 2.38% | 1.86% | 2.31% |
| 2022 | 1,058 | 169 | 1,227 | 1,151 | 179 | 1,330 | 1,243 | 190 | 1,433 | 0.99% | 0.55% | 0.93% | 1.70% | 0.80% | 1.58% | 2.29% | 1.16% | 2.14% |
| 2023 | 1,070 | 171 | 1,241 | 1,171 | 182 | 1,353 | 1,271 | 193 | 1,464 | 1.13% | 1.48% | 1.18% | 1.74% | 1.58% | 1.72% | 2.25% | 1.58% | 2.16% |
| 2024 | 1,084 | 174 | 1,257 | 1,191 | 185 | 1,376 | 1,300 | 196 | 1,496 | 1.26% | 1.36% | 1.28% | 1.77% | 1.56% | 1.74% | 2.25% | 1.69% | 2.17% |
| 2025 | 1,098 | 175 | 1,273 | 1,213 | 186 | 1,399 | 1,328 | 198 | 1,526 | 1.34% | 0.53% | 1.23% | 1.82% | 0.77% | 1.68% | 2.17% | 1.15% | 2.04% |
| 2026 | 1,114 | 177 | 1,291 | 1,236 | 189 | 1,425 | 1,357 | 201 | 1,558 | 1.46% | 1.34% | 1.45% | 1.86% | 1.43% | 1.80% | 2.18% | 1.56% | 2.10% |
| 2027 | 1,131 | 179 | 1,310 | 1,259 | 192 | 1,450 | 1,386 | 204 | 1,590 | 1.50% | 1.37% | 1.48% | 1.85% | 1.54% | 1.81% | 2.16% | 1.49% | 2.07% |
| 2028 | 1,149 | 182 | 1,331 | 1,283 | 195 | 1,477 | 1,416 | 207 | 1,623 | 1.61% | 1.30% | 1.57% | 1.91% | 1.43% | 1.84% | 2.16% | 1.43% | 2.07% |
| 2029 | 1,168 | 183 | 1,351 | 1,307 | 196 | 1,504 | 1,447 | 209 | 1,656 | 1.65% | 0.83% | 1.54% | 1.92% | 0.94% | 1.79% | 2.14% | 1.05% | 2.00% |
| 2030 | 1,188 | 186 | 1,373 | 1,333 | 199 | 1,532 | 1,477 | 213 | 1,690 | 1.68% | 1.27% | 1.63% | 1.94% | 1.40% | 1.87% | 2.14% | 1.51% | 2.06% |
| 2031 | 1,209 | 188 | 1,397 | 1,359 | 202 | 1,561 | 1,509 | 216 | 1,724 | 1.79% | 1.35% | 1.73% | 1.96% | 1.38% | 1.88% | 2.13% | 1.41% | 2.04% |
| 2032 | 1,231 | 190 | 1,421 | 1,386 | 204 | 1,590 | 1,541 | 218 | 1,758 | 1.81% | 0.93% | 1.69% | 2.00% | 0.95% | 1.86% | 2.11% | 1.01% | 1.97% |
| 2033 | 1,253 | 192 | 1,445 | 1,413 | 207 | 1,620 | 1,573 | 221 | 1,794 | 1.83% | 1.23% | 1.75% | 1.98% | 1.39% | 1.91% | 2.10% | 1.49% | 2.03% |
| 2034 | 1,277 | 194 | 1,471 | 1,442 | 208 | 1,650 | 1,606 | 223 | 1,830 | 1.87% | 0.87% | 1.74% | 2.00% | 0.81% | 1.85% | 2.11% | 0.98% | 1.97% |
| 2035 | 1,301 | 197 | 1,498 | 1,471 | 211 | 1,682 | 1,640 | 226 | 1,866 | 1.92% | 1.46% | 1.86% | 2.02% | 1.40% | 1.94% | 2.09% | 1.49% | 2.01% |
| 2036 | 1,326 | 199 | 1,525 | 1,500 | 214 | 1,714 | 1,674 | 230 | 1,904 | 1.91% | 1.31% | 1.83% | 2.00% | 1.42% | 1.93% | 2.08% | 1.36% | 2.00% |
| 2037 | 1,352 | 201 | 1,553 | 1,530 | 216 | 1,747 | 1,709 | 232 | 1,940 | 1.97% | 0.79% | 1.82% | 2.02% | 0.93% | 1.89% | 2.08% | 0.91% | 1.93% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 48.75% |
| Medium: | 39.85% |
| Low: | 30.11% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

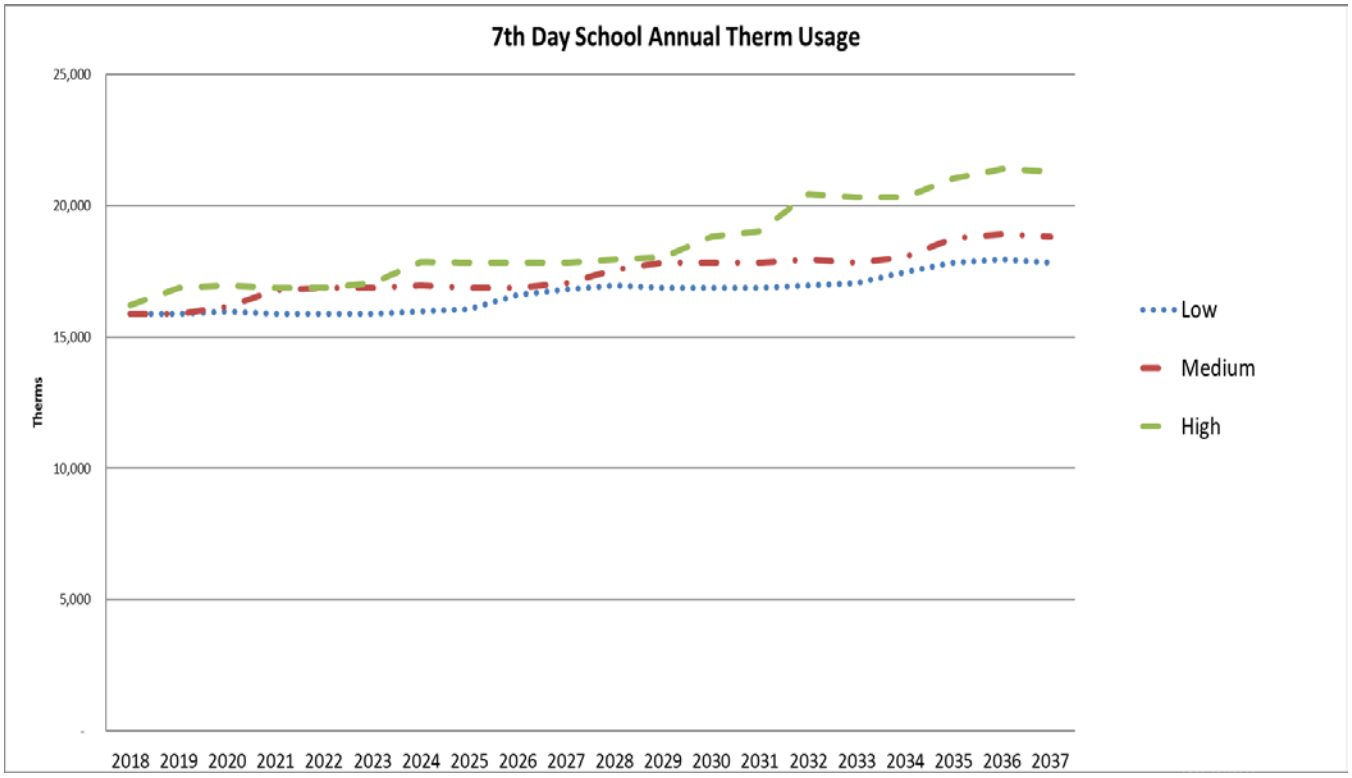
## 7th Day School

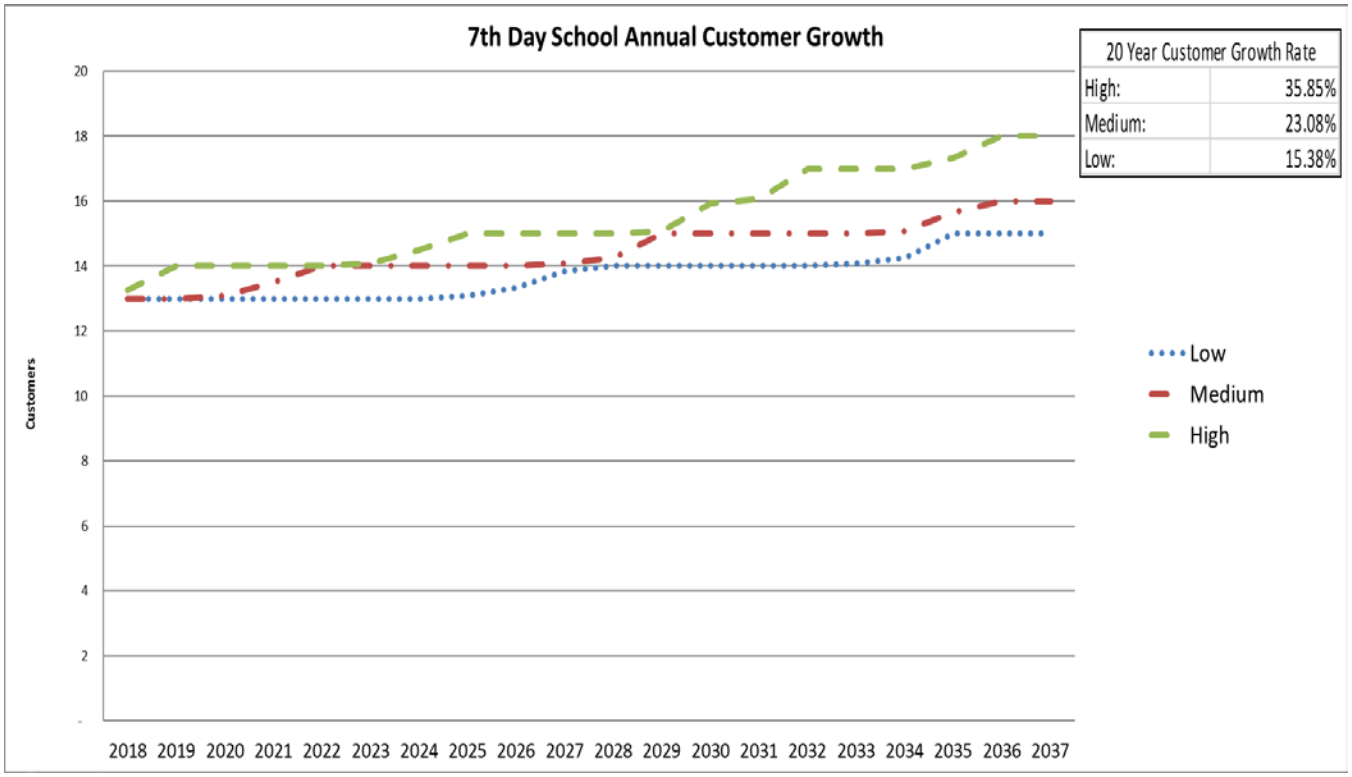
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 13,520 | 2,367 | 15,887 | 13,520 | 2,367 | 15,887 | 13,862 | 2,367 | 16,229 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 13,520 | 2,367 | 15,887 | 13,520 | 2,367 | 15,887 | 14,407 | 2,460 | 16,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.93% | 3.92% | 3.93% |
| 2020 | 13,608 | 2,367 | 15,975 | 13,801 | 2,367 | 16,168 | 14,500 | 2,460 | 16,960 | 0.65% | 0.00% | 0.55% | 2.07% | 0.00% | 1.77% | 0.65% | 0.00% | 0.55% |
| 2021 | 13,520 | 2,367 | 15,887 | 14,409 | 2,367 | 16,776 | 14,407 | 2,460 | 16,867 | -0.65% | 0.00% | -0.55% | 4.40% | 0.00% | 3.76% | -0.65% | 0.00% | -0.55% |
| 2022 | 13,520 | 2,367 | 15,887 | 14,407 | 2,460 | 16,867 | 14,407 | 2,460 | 16,867 | 0.00% | 0.00% | 0.00% | -0.01% | 3.92% | 0.54% | 0.00% | 0.00% | 0.00% |
| 2023 | 13,520 | 2,367 | 15,887 | 14,407 | 2,460 | 16,867 | 14,599 | 2,460 | 17,059 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.34% | 0.00% | 1.14% |
| 2024 | 13,608 | 2,367 | 15,975 | 14,500 | 2,460 | 16,960 | 15,394 | 2,460 | 17,854 | 0.65% | 0.00% | 0.55% | 0.65% | 0.00% | 0.55% | 5.45% | 0.00% | 4.66% |
| 2025 | 13,713 | 2,367 | 16,080 | 14,407 | 2,460 | 16,867 | 15,293 | 2,552 | 17,846 | 0.77% | 0.00% | 0.65% | -0.65% | 0.00% | -0.55% | -0.66% | 3.77% | -0.05% |
| 2026 | 14,230 | 2,367 | 16,597 | 14,407 | 2,460 | 16,867 | 15,293 | 2,552 | 17,846 | 3.77% | 0.00% | 3.21% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 14,357 | 2,460 | 16,817 | 14,599 | 2,460 | 17,059 | 15,293 | 2,552 | 17,846 | 0.89% | 3.92% | 1.33% | 1.34% | 0.00% | 1.14% | 0.00% | 0.00% | 0.00% |
| 2028 | 14,500 | 2,460 | 16,960 | 15,101 | 2,460 | 17,561 | 15,392 | 2,552 | 17,945 | 1.00% | 0.00% | 0.85% | 3.44% | 0.00% | 2.94% | 0.65% | 0.00% | 0.56% |
| 2029 | 14,407 | 2,460 | 16,867 | 15,293 | 2,552 | 17,846 | 15,486 | 2,552 | 18,038 | -0.65% | 0.00% | -0.55% | 1.27% | 3.77% | 1.62% | 0.61% | 0.00% | 0.52% |
| 2030 | 14,407 | 2,460 | 16,867 | 15,293 | 2,552 | 17,846 | 16,173 | 2,645 | 18,818 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 4.44% | 3.63% | 4.32% |
| 2031 | 14,407 | 2,460 | 16,867 | 15,293 | 2,552 | 17,846 | 16,389 | 2,645 | 19,034 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.33% | 0.00% | 1.15% |
| 2032 | 14,500 | 2,460 | 16,960 | 15,392 | 2,552 | 17,945 | 17,018 | 3,415 | 20,433 | 0.65% | 0.00% | 0.55% | 0.65% | 0.00% | 0.56% | 3.84% | 29.10% | 7.35% |
| 2033 | 14,599 | 2,460 | 17,059 | 15,293 | 2,552 | 17,846 | 16,905 | 3,415 | 20,320 | 0.68% | 0.00% | 0.58% | -0.64% | 0.00% | -0.55% | -0.66% | 0.00% | -0.55% |
| 2034 | 15,002 | 2,460 | 17,462 | 15,486 | 2,552 | 18,038 | 16,905 | 3,415 | 20,320 | 2.76% | 0.00% | 2.36% | 1.26% | 0.00% | 1.08% | 0.00% | 0.00% | 0.00% |
| 2035 | 15,293 | 2,552 | 17,846 | 16,108 | 2,645 | 18,753 | 17,638 | 3,415 | 21,053 | 1.94% | 3.77% | 2.20% | 4.02% | 3.63% | 3.96% | 4.34% | 0.00% | 3.61% |
| 2036 | 15,392 | 2,552 | 17,945 | 16,284 | 2,645 | 18,929 | 17,910 | 3,508 | 21,417 | 0.65% | 0.00% | 0.56% | 1.10% | 0.00% | 0.94% | 1.54% | 2.71% | 1.73% |
| 2037 | 15,293 | 2,552 | 17,846 | 16,180 | 2,645 | 18,825 | 17,792 | 3,508 | 21,300 | -0.64% | 0.00% | -0.55% | -0.64% | 0.00% | -0.55% | -0.66% | 0.00% | -0.55% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 6 | 106 | 113 | 6 | 108 | 114 | 6 | 110 | 116 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6 | 106 | 113 | 6 | 108 | 114 | 7 | 109 | 116 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.92% | -0.23% | 0.00% |
| 2020 | 6 | 113 | 120 | 6 | 115 | 121 | 7 | 117 | 123 | 0.00% | 6.69% | 6.31% | 0.00% | 6.68% | 6.31% | 0.00% | 6.69% | 6.31% |
| 2021 | 6 | 113 | 120 | 6 | 115 | 121 | 7 | 117 | 123 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 6 | 113 | 120 | 7 | 115 | 121 | 7 | 117 | 123 | 0.00% | 0.00% | 0.00% | 3.92% | -0.22% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 6 | 113 | 120 | 7 | 115 | 121 | 7 | 117 | 123 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 6 | 113 | 120 | 7 | 115 | 121 | 7 | 117 | 123 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 6 | 113 | 120 | 7 | 115 | 121 | 7 | 116 | 123 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.77% | -0.22% | 0.00% |
| 2026 | 6 | 113 | 120 | 7 | 115 | 121 | 7 | 116 | 123 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 7 | 113 | 120 | 7 | 115 | 121 | 7 | 116 | 123 | 3.92% | -0.22% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 7 | 120 | 127 | 7 | 122 | 129 | 7 | 124 | 131 | 0.00% | 6.29% | 5.93% | 0.00% | 6.28% | 5.93% | 0.00% | 6.29% | 5.93% |
| 2029 | 7 | 120 | 127 | 7 | 122 | 129 | 7 | 124 | 131 | 0.00% | 0.00% | 0.00% | 3.77% | -0.21% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | 7 | 120 | 127 | 7 | 122 | 129 | 7 | 123 | 131 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.63% | -0.21% | 0.00% |
| 2031 | 7 | 120 | 127 | 7 | 122 | 129 | 7 | 123 | 131 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 7 | 120 | 127 | 7 | 122 | 129 | 9 | 121 | 131 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 29.10% | -1.71% | 0.00% |
| 2033 | 7 | 120 | 127 | 7 | 122 | 129 | 9 | 121 | 131 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 7 | 127 | 134 | 7 | 129 | 136 | 9 | 129 | 138 | 0.00% | 5.91% | 5.60% | 0.00% | 5.92% | 5.60% | 0.00% | 6.03% | 5.60% |
| 2035 | 7 | 127 | 134 | 7 | 129 | 136 | 9 | 129 | 138 | 3.77% | -0.20% | 0.00% | 3.63% | -0.20% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 7 | 127 | 134 | 7 | 129 | 136 | 10 | 128 | 138 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 2.71% | -0.20% | 0.00% |
| 2037 | 7 | 127 | 134 | 7 | 129 | 136 | 10 | 128 | 138 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,771 | 5,116 | 15,887 | 10,771 | 5,116 | 15,887 | 11,112 | 5,116 | 16,229 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,771 | 5,116 | 15,887 | 10,771 | 5,116 | 15,887 | 11,750 | 5,116 | 16,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 5.74% | 0.00% | 3.93% |
| 2020 | 10,831 | 5,144 | 15,975 | 11,024 | 5,144 | 16,168 | 11,816 | 5,144 | 16,960 | 0.56% | 0.54% | 0.55% | 2.35% | 0.54% | 1.77% | 0.56% | 0.54% | 0.55% |
| 2021 | 10,771 | 5,116 | 15,887 | 11,659 | 5,116 | 16,776 | 11,750 | 5,116 | 16,867 | -0.56% | -0.54% | -0.55% | 5.76% | -0.54% | 3.76% | -0.56% | -0.54% | -0.55% |
| 2022 | 10,771 | 5,116 | 15,887 | 11,750 | 5,116 | 16,867 | 11,750 | 5,116 | 16,867 | 0.00% | 0.00% | 0.00% | 0.78% | 0.00% | 0.54% | 0.00% | 0.00% | 0.00% |
| 2023 | 10,771 | 5,116 | 15,887 | 11,750 | 5,116 | 16,867 | 11,942 | 5,116 | 17,059 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.64% | 0.00% | 1.14% |
| 2024 | 10,831 | 5,144 | 15,975 | 11,816 | 5,144 | 16,960 | 12,710 | 5,144 | 17,854 | 0.56% | 0.54% | 0.55% | 0.56% | 0.54% | 0.55% | 6.43% | 0.54% | 4.66% |
| 2025 | 10,963 | 5,116 | 16,080 | 11,750 | 5,116 | 16,867 | 12,729 | 5,116 | 17,846 | 1.22% | -0.54% | 0.65% | -0.56% | -0.54% | -0.55% | 0.15% | -0.54% | -0.05% |
| 2026 | 11,480 | 5,116 | 16,597 | 11,750 | 5,116 | 16,867 | 12,729 | 5,116 | 17,846 | 4.71% | 0.00% | 3.21% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 11,700 | 5,116 | 16,817 | 11,942 | 5,116 | 17,059 | 12,729 | 5,116 | 17,846 | 1.92% | 0.00% | 1.33% | 1.64% | 0.00% | 1.14% | 0.00% | 0.00% | 0.00% |
| 2028 | 11,816 | 5,144 | 16,960 | 12,417 | 5,144 | 17,561 | 12,801 | 5,144 | 17,945 | 0.99% | 0.54% | 0.85% | 3.97% | 0.54% | 2.94% | 0.56% | 0.54% | 0.56% |
| 2029 | 11,750 | 5,116 | 16,867 | 12,729 | 5,116 | 17,846 | 12,922 | 5,116 | 18,038 | -0.56% | -0.54% | -0.55% | 2.52% | -0.54% | 1.62% | 0.94% | -0.54% | 0.52% |
| 2030 | 11,750 | 5,116 | 16,867 | 12,729 | 5,116 | 17,846 | 13,702 | 5,116 | 18,818 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 6.04% | 0.00% | 4.32% |
| 2031 | 11,750 | 5,116 | 16,867 | 12,729 | 5,116 | 17,846 | 13,708 | 5,325 | 19,034 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.05% | 4.08% | 1.15% |
| 2032 | 11,816 | 5,144 | 16,960 | 12,801 | 5,144 | 17,945 | 13,785 | 6,647 | 20,433 | 0.56% | 0.54% | 0.55% | 0.56% | 0.54% | 0.56% | 0.56% | 24.82% | 7.35% |
| 2033 | 11,942 | 5,116 | 17,059 | 12,729 | 5,116 | 17,846 | 13,708 | 6,612 | 20,320 | 1.07% | -0.54% | 0.58% | -0.56% | -0.54% | -0.55% | -0.56% | -0.53% | -0.55% |
| 2034 | 12,345 | 5,116 | 17,462 | 12,922 | 5,116 | 18,038 | 13,708 | 6,612 | 20,320 | 3.37% | 0.00% | 2.36% | 1.51% | 0.00% | 1.08% | 0.00% | 0.00% | 0.00% |
| 2035 | 12,729 | 5,116 | 17,846 | 13,636 | 5,116 | 18,753 | 14,442 | 6,612 | 21,053 | 3.11% | 0.00% | 2.20% | 5.53% | 0.00% | 3.96% | 5.35% | 0.00% | 3.61% |
| 2036 | 12,801 | 5,144 | 17,945 | 13,785 | 5,144 | 18,929 | 14,770 | 6,647 | 21,417 | 0.56% | 0.54% | 0.56% | 1.09% | 0.54% | 0.94% | 2.27% | 0.54% | 1.73% |
| 2037 | 12,729 | 5,116 | 17,846 | 13,708 | 5,116 | 18,825 | 14,688 | 6,612 | 21,300 | -0.56% | -0.54% | -0.55% | -0.56% | -0.54% | -0.55% | -0.56% | -0.53% | -0.55% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 11 | 2 | 13 | 11 | 2 | 13 | 11 | 2 | 13 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 11 | 2 | 13 | 11 | 2 | 13 | 12 | 2 | 14 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 6.67% | 0.00% | 5.66% |
| 2020 | 11 | 2 | 13 | 11 | 2 | 13 | 12 | 2 | 14 | 0.00% | 0.00% | 0.00% | 0.76% | 0.00% | 0.64% | 0.00% | 0.00% | 0.00% |
| 2021 | 11 | 2 | 13 | 12 | 2 | 14 | 12 | 2 | 14 | 0.00% | 0.00% | 0.00% | 3.76% | 0.00% | 3.18% | 0.00% | 0.00% | 0.00% |
| 2022 | 11 | 2 | 13 | 12 | 2 | 14 | 12 | 2 | 14 | 0.00% | 0.00% | 0.00% | 4.35% | 0.00% | 3.70% | 0.00% | 0.00% | 0.00% |
| 2023 | 11 | 2 | 13 | 12 | 2 | 14 | 12 | 2 | 14 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.69% | 0.00% | 0.60% |
| 2024 | 11 | 2 | 13 | 12 | 2 | 14 | 13 | 2 | 15 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.45% | 0.00% | 2.96% |
| 2025 | 11 | 2 | 13 | 12 | 2 | 14 | 13 | 2 | 15 | 0.76% | 0.00% | 0.64% | 0.00% | 0.00% | 0.00% | 4.00% | 0.00% | 3.45% |
| 2026 | 11 | 2 | 13 | 12 | 2 | 14 | 13 | 2 | 15 | 2.26% | 0.00% | 1.91% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 12 | 2 | 14 | 12 | 2 | 14 | 13 | 2 | 15 | 4.41% | 0.00% | 3.75% | 0.69% | 0.00% | 0.60% | 0.00% | 0.00% | 0.00% |
| 2028 | 12 | 2 | 14 | 12 | 2 | 14 | 13 | 2 | 15 | 1.41% | 0.00% | 1.20% | 1.38% | 0.00% | 1.18% | 0.00% | 0.00% | 0.00% |
| 2029 | 12 | 2 | 14 | 13 | 2 | 15 | 13 | 2 | 15 | 0.00% | 0.00% | 0.00% | 6.12% | 0.00% | 5.26% | 0.64% | 0.00% | 0.56% |
| 2030 | 12 | 2 | 14 | 13 | 2 | 15 | 14 | 2 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 6.37% | 0.00% | 5.52% |
| 2031 | 12 | 2 | 14 | 13 | 2 | 15 | 14 | 2 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.60% | 4.17% | 1.05% |
| 2032 | 12 | 2 | 14 | 13 | 2 | 15 | 14 | 3 | 17 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 44.00% | 5.70% |
| 2033 | 12 | 2 | 14 | 13 | 2 | 15 | 14 | 3 | 17 | 0.69% | 0.00% | 0.60% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 12 | 2 | 14 | 13 | 2 | 15 | 14 | 3 | 17 | 1.38% | 0.00% | 1.18% | 0.64% | 0.00% | 0.56% | 0.00% | 0.00% | 0.00% |
| 2035 | 13 | 2 | 15 | 14 | 2 | 16 | 14 | 3 | 17 | 6.12% | 0.00% | 5.26% | 4.46% | 0.00% | 3.87% | 2.38% | 0.00% | 1.96% |
| 2036 | 13 | 2 | 15 | 14 | 2 | 16 | 15 | 3 | 18 | 0.00% | 0.00% | 0.00% | 2.44% | 0.00% | 2.13% | 4.65% | 0.00% | 3.85% |
| 2037 | 13 | 2 | 15 | 14 | 2 | 16 | 15 | 3 | 18 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.85% |
| Medium: | 23.08% |
| Low: | 15.38% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

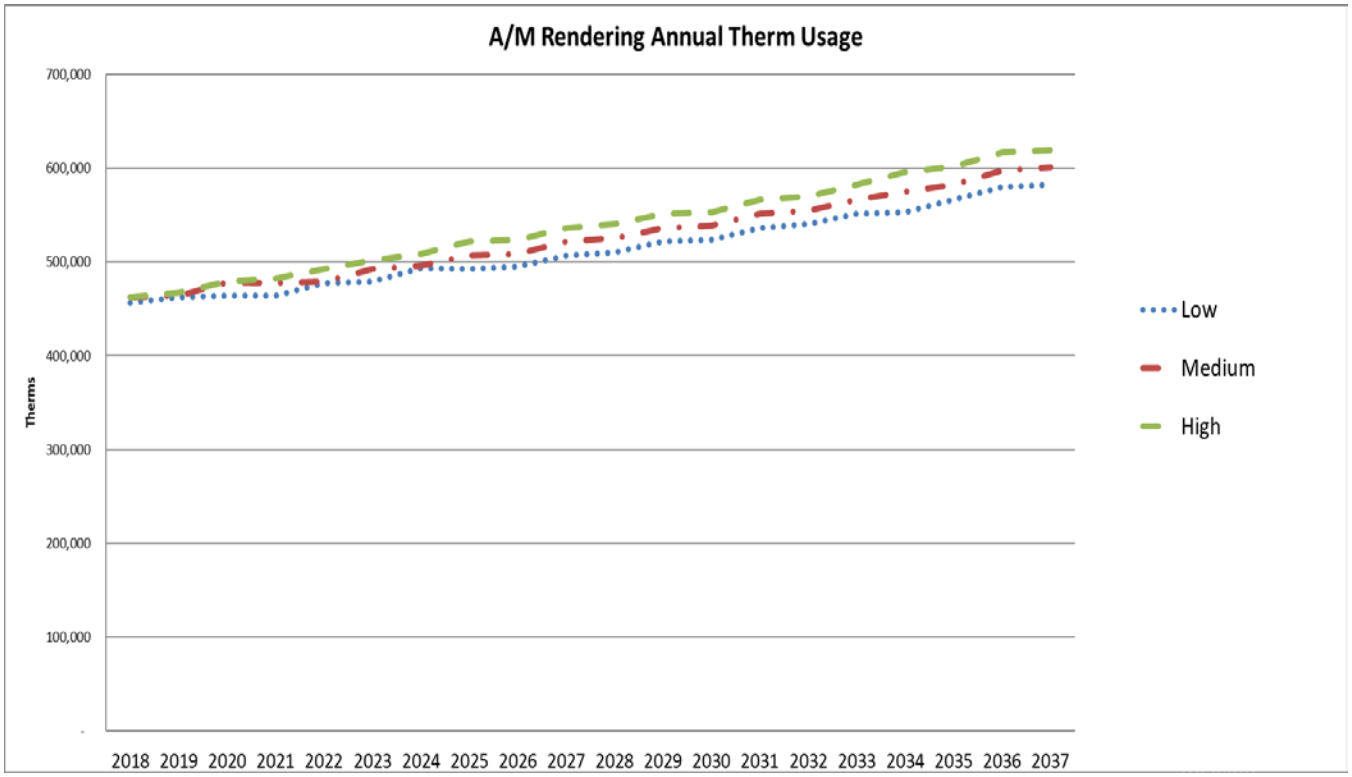
## A/M Rendering

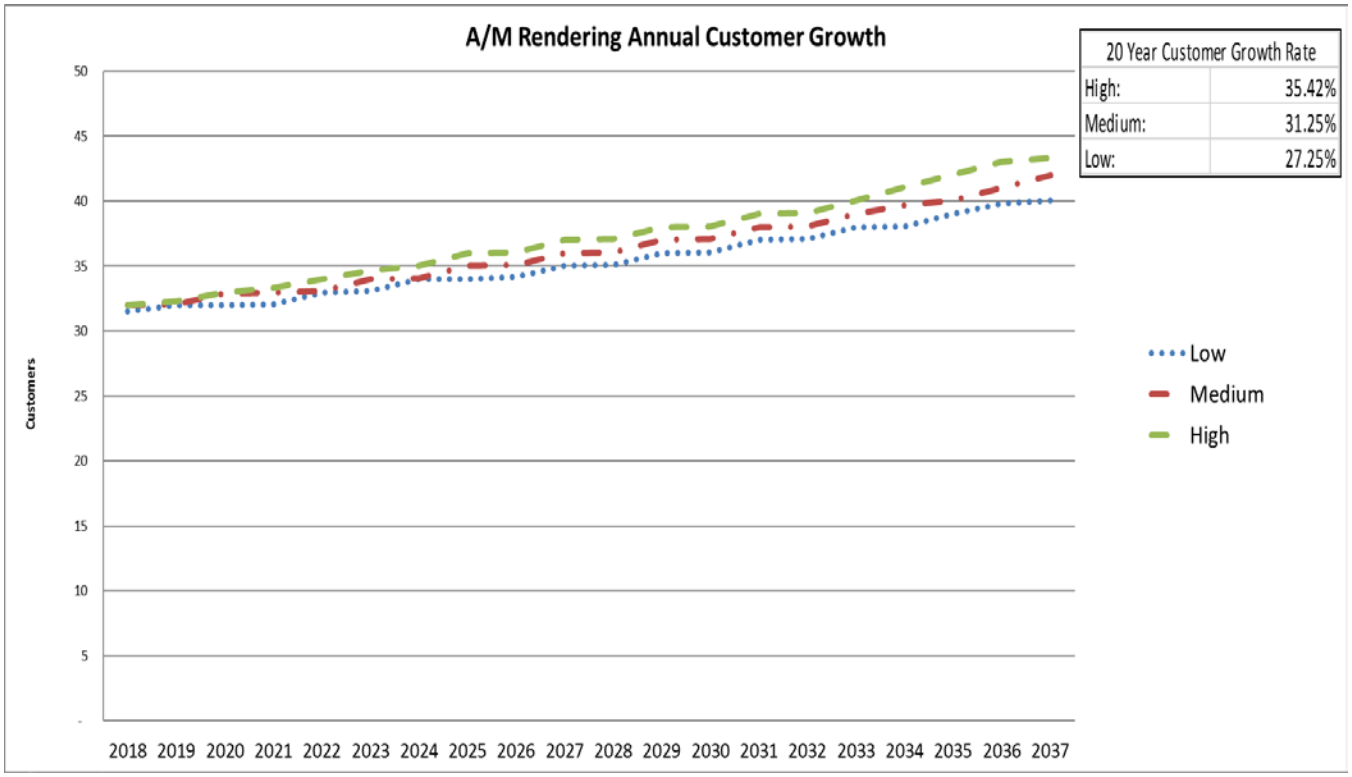
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 152,365 | 303,988 | 456,353 | 148,707 | 314,003 | 462,710 | 148,707 | 314,003 | 462,710 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 148,707 | 314,003 | 462,710 | 150,477 | 314,003 | 464,480 | 143,722 | 324,018 | 467,740 | -2.40% | 3.29% | 1.39% | 1.19% | 0.00% | 0.38% | -3.35% | 3.19% | 1.09% |
| 2020 | 150,192 | 314,003 | 464,195 | 154,110 | 324,018 | 478,128 | 155,023 | 324,018 | 479,041 | 1.00% | 0.00% | 0.32% | 2.41% | 3.19% | 2.94% | 7.86% | 0.00% | 2.42% |
| 2021 | 150,477 | 314,003 | 464,480 | 153,490 | 324,018 | 477,509 | 148,506 | 334,033 | 482,539 | 0.19% | 0.00% | 0.06% | -0.40% | 0.00% | -0.13% | -4.20% | 3.09% | 0.73% |
| 2022 | 153,490 | 324,018 | 477,509 | 155,260 | 324,018 | 479,278 | 158,274 | 334,033 | 492,307 | 2.00% | 3.19% | 2.81% | 1.15% | 0.00% | 0.37% | 6.58% | 0.00% | 2.02% |
| 2023 | 155,260 | 324,018 | 479,278 | 158,274 | 334,033 | 492,307 | 157,728 | 344,048 | 501,775 | 1.15% | 0.00% | 0.37% | 1.94% | 3.09% | 2.72% | -0.35% | 3.00% | 1.92% |
| 2024 | 159,854 | 334,033 | 493,887 | 161,623 | 334,033 | 495,656 | 164,685 | 344,048 | 508,732 | 2.96% | 3.09% | 3.05% | 2.12% | 0.00% | 0.68% | 4.41% | 0.00% | 1.39% |
| 2025 | 158,274 | 334,033 | 492,307 | 163,057 | 344,048 | 507,105 | 167,841 | 354,063 | 521,904 | -0.99% | 0.00% | -0.32% | 0.89% | 3.00% | 2.31% | 1.92% | 2.91% | 2.59% |
| 2026 | 160,894 | 334,033 | 494,927 | 164,827 | 344,048 | 508,875 | 169,610 | 354,063 | 523,673 | 1.66% | 0.00% | 0.53% | 1.09% | 0.00% | 0.35% | 1.05% | 0.00% | 0.34% |
| 2027 | 163,057 | 344,048 | 507,105 | 167,841 | 354,063 | 521,904 | 172,624 | 364,078 | 536,702 | 1.34% | 3.00% | 2.46% | 1.83% | 2.91% | 2.56% | 1.78% | 2.83% | 2.49% |
| 2028 | 166,454 | 344,048 | 510,502 | 171,285 | 354,063 | 525,348 | 176,116 | 364,078 | 540,194 | 2.08% | 0.00% | 0.67% | 2.05% | 0.00% | 0.66% | 2.02% | 0.00% | 0.65% |
| 2029 | 167,841 | 354,063 | 521,904 | 172,624 | 364,078 | 536,702 | 177,408 | 374,093 | 551,500 | 0.83% | 2.91% | 2.23% | 0.78% | 2.83% | 2.16% | 0.73% | 2.75% | 2.09% |
| 2030 | 169,610 | 354,063 | 523,673 | 174,394 | 364,078 | 538,471 | 179,177 | 374,093 | 553,270 | 1.05% | 0.00% | 0.34% | 1.03% | 0.00% | 0.33% | 1.00% | 0.00% | 0.32% |
| 2031 | 172,624 | 364,078 | 536,702 | 177,408 | 374,093 | 551,500 | 182,191 | 384,107 | 566,298 | 1.78% | 2.83% | 2.49% | 1.73% | 2.75% | 2.42% | 1.68% | 2.68% | 2.35% |
| 2032 | 176,116 | 364,078 | 540,194 | 180,947 | 374,093 | 555,039 | 185,778 | 384,107 | 569,885 | 2.02% | 0.00% | 0.65% | 2.00% | 0.00% | 0.64% | 1.97% | 0.00% | 0.63% |
| 2033 | 177,408 | 374,093 | 551,500 | 182,191 | 384,107 | 566,298 | 188,744 | 394,122 | 582,866 | 0.73% | 2.75% | 2.09% | 0.69% | 2.68% | 2.03% | 1.60% | 2.61% | 2.28% |
| 2034 | 179,177 | 374,093 | 553,270 | 181,124 | 394,122 | 575,246 | 192,203 | 404,137 | 596,340 | 1.00% | 0.00% | 0.32% | -0.59% | 2.61% | 1.58% | 1.83% | 2.54% | 2.31% |
| 2035 | 182,191 | 384,107 | 566,298 | 188,744 | 394,122 | 582,866 | 193,949 | 407,679 | 601,628 | 1.68% | 2.68% | 2.35% | 4.21% | 0.00% | 1.32% | 0.91% | 0.88% | 0.89% |
| 2036 | 185,595 | 394,122 | 579,717 | 193,670 | 404,137 | 597,807 | 198,934 | 417,694 | 616,628 | 1.87% | 2.61% | 2.37% | 2.61% | 2.54% | 2.56% | 2.57% | 2.46% | 2.49% |
| 2037 | 188,744 | 394,122 | 582,866 | 193,509 | 407,679 | 601,189 | 191,978 | 427,709 | 619,687 | 1.70% | 0.00% | 0.54% | -0.08% | 0.88% | 0.57% | -3.50% | 2.40% | 0.50% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 833 | 2,756 | 3,589 | 860 | 2,784 | 3,644 | 860 | 2,839 | 3,700 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 860 | 2,729 | 3,589 | 860 | 2,784 | 3,644 | 888 | 2,812 | 3,700 | 3.29% | -1.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.19% | -0.97% | 0.00% |
| 2020 | 860 | 2,844 | 3,704 | 888 | 2,873 | 3,761 | 888 | 2,930 | 3,818 | 0.00% | 4.21% | 3.20% | 3.19% | 3.20% | 3.20% | 0.00% | 4.21% | 3.20% |
| 2021 | 860 | 2,844 | 3,704 | 888 | 2,873 | 3,761 | 915 | 2,903 | 3,818 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 3.09% | -0.94% | 0.00% |
| 2022 | 888 | 2,816 | 3,704 | 888 | 2,873 | 3,761 | 915 | 2,903 | 3,818 | 3.19% | -0.96% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 888 | 2,931 | 3,819 | 915 | 2,962 | 3,877 | 943 | 2,994 | 3,936 | 0.00% | 4.08% | 3.10% | 3.09% | 3.10% | 3.10% | 3.00% | 3.13% | 3.10% |
| 2024 | 915 | 2,904 | 3,819 | 915 | 2,962 | 3,877 | 943 | 2,994 | 3,936 | 3.09% | -0.94% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 915 | 3,019 | 3,934 | 943 | 3,051 | 3,994 | 970 | 3,085 | 4,055 | 0.00% | 3.96% | 3.01% | 3.00% | 3.01% | 3.01% | 2.91% | 3.04% | 3.01% |
| 2026 | 915 | 3,019 | 3,934 | 943 | 3,051 | 3,994 | 970 | 3,085 | 4,055 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 943 | 3,106 | 4,049 | 970 | 3,141 | 4,111 | 997 | 3,176 | 4,173 | 3.00% | 2.90% | 2.92% | 2.91% | 2.92% | 2.92% | 2.83% | 2.95% | 2.92% |
| 2028 | 943 | 3,106 | 4,049 | 970 | 3,141 | 4,111 | 997 | 3,176 | 4,173 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 970 | 3,193 | 4,163 | 997 | 3,230 | 4,227 | 1,025 | 3,267 | 4,292 | 2.91% | 2.81% | 2.84% | 2.83% | 2.84% | 2.84% | 2.75% | 2.86% | 2.84% |
| 2030 | 970 | 3,193 | 4,163 | 997 | 3,230 | 4,227 | 1,025 | 3,267 | 4,292 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 997 | 3,281 | 4,278 | 1,025 | 3,319 | 4,344 | 1,052 | 3,358 | 4,410 | 2.83% | 2.74% | 2.76% | 2.75% | 2.76% | 2.76% | 2.68% | 2.78% | 2.76% |
| 2032 | 997 | 3,281 | 4,278 | 1,025 | 3,319 | 4,344 | 1,052 | 3,358 | 4,410 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | 1,025 | 3,368 | 4,393 | 1,052 | 3,408 | 4,460 | 1,080 | 3,449 | 4,528 | 2.75% | 2.66% | 2.68% | 2.68% | 2.69% | 2.68% | 2.61% | 2.71% | 2.68% |
| 2034 | 1,025 | 3,483 | 4,508 | 1,080 | 3,497 | 4,577 | 1,107 | 3,540 | 4,647 | 0.00% | 3.41% | 2.61% | 2.61% | 2.62% | 2.61% | 2.54% | 2.64% | 2.61% |
| 2035 | 1,052 | 3,456 | 4,508 | 1,080 | 3,497 | 4,577 | 1,117 | 3,530 | 4,647 | 2.68% | -0.79% | 0.00% | 0.00% | 0.00% | 0.00% | 0.88% | -0.27% | 0.00% |
| 2036 | 1,080 | 3,543 | 4,623 | 1,107 | 3,586 | 4,694 | 1,144 | 3,621 | 4,765 | 2.61% | 2.53% | 2.55% | 2.54% | 2.55% | 2.55% | 2.46% | 2.58% | 2.55% |
| 2037 | 1,080 | 3,571 | 4,651 | 1,117 | 3,605 | 4,722 | 1,172 | 3,622 | 4,794 | 0.00% | 0.80% | 0.61% | 0.88% | 0.53% | 0.61% | 2.40% | 0.05% | 0.61% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 452,390 | 3,964 | 456,353 | 458,747 | 3,964 | 462,710 | 458,747 | 3,964 | 462,710 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 458,747 | 3,964 | 462,710 | 460,516 | 3,964 | 464,480 | 463,777 | 3,964 | 467,740 | 1.41% | 0.00% | 1.39% | 0.39% | 0.00% | 0.38% | 1.10% | 0.00% | 1.09% |
| 2020 | 460,220 | 3,975 | 464,195 | 474,153 | 3,975 | 478,128 | 475,065 | 3,975 | 479,041 | 0.32% | 0.30% | 0.32% | 2.96% | 0.30% | 2.94% | 2.43% | 0.30% | 2.42% |
| 2021 | 460,516 | 3,964 | 464,480 | 473,545 | 3,964 | 477,509 | 478,575 | 3,964 | 482,539 | 0.06% | -0.30% | 0.06% | -0.13% | -0.30% | -0.13% | 0.74% | -0.30% | 0.73% |
| 2022 | 473,545 | 3,964 | 477,509 | 475,315 | 3,964 | 479,278 | 488,343 | 3,964 | 492,307 | 2.83% | 0.00% | 2.81% | 0.37% | 0.00% | 0.37% | 2.04% | 0.00% | 2.02% |
| 2023 | 475,315 | 3,964 | 479,278 | 488,343 | 3,964 | 492,307 | 497,812 | 3,964 | 501,775 | 0.37% | 0.00% | 0.37% | 2.74% | 0.00% | 2.72% | 1.94% | 0.00% | 1.92% |
| 2024 | 489,911 | 3,975 | 493,887 | 491,681 | 3,975 | 495,656 | 504,757 | 3,975 | 508,732 | 3.07% | 0.30% | 3.05% | 0.68% | 0.30% | 0.68% | 1.40% | 0.30% | 1.39% |
| 2025 | 488,343 | 3,964 | 492,307 | 503,142 | 3,964 | 507,105 | 517,940 | 3,964 | 521,904 | -0.32% | -0.30% | -0.32% | 2.33% | -0.30% | 2.31% | 2.61% | -0.30% | 2.59% |
| 2026 | 490,963 | 3,964 | 494,927 | 504,911 | 3,964 | 508,875 | 519,709 | 3,964 | 523,673 | 0.54% | 0.00% | 0.53% | 0.35% | 0.00% | 0.35% | 0.34% | 0.00% | 0.34% |
| 2027 | 503,142 | 3,964 | 507,105 | 517,940 | 3,964 | 521,904 | 532,738 | 3,964 | 536,702 | 2.48% | 0.00% | 2.46% | 2.58% | 0.00% | 2.56% | 2.51% | 0.00% | 2.49% |
| 2028 | 506,527 | 3,975 | 510,502 | 521,372 | 3,975 | 525,348 | 536,218 | 3,975 | 540,194 | 0.67% | 0.30% | 0.67% | 0.66% | 0.30% | 0.66% | 0.65% | 0.30% | 0.65% |
| 2029 | 517,940 | 3,964 | 521,904 | 532,738 | 3,964 | 536,702 | 547,536 | 3,964 | 551,500 | 2.25% | -0.30% | 2.23% | 2.18% | -0.30% | 2.16% | 2.11% | -0.30% | 2.09% |
| 2030 | 519,709 | 3,964 | 523,673 | 534,508 | 3,964 | 538,471 | 549,306 | 3,964 | 553,270 | 0.34% | 0.00% | 0.34% | 0.33% | 0.00% | 0.33% | 0.32% | 0.00% | 0.32% |
| 2031 | 532,738 | 3,964 | 536,702 | 547,536 | 3,964 | 551,500 | 562,335 | 3,964 | 566,298 | 2.51% | 0.00% | 2.49% | 2.44% | 0.00% | 2.42% | 2.37% | 0.00% | 2.35% |
| 2032 | 536,218 | 3,975 | 540,194 | 551,064 | 3,975 | 555,039 | 565,910 | 3,975 | 569,885 | 0.65% | 0.30% | 0.65% | 0.64% | 0.30% | 0.64% | 0.64% | 0.30% | 0.63% |
| 2033 | 547,536 | 3,964 | 551,500 | 562,335 | 3,964 | 566,298 | 578,903 | 3,964 | 582,866 | 2.11% | -0.30% | 2.09% | 2.05% | -0.30% | 2.03% | 2.30% | -0.30% | 2.28% |
| 2034 | 549,306 | 3,964 | 553,270 | 571,282 | 3,964 | 575,246 | 591,931 | 4,408 | 596,340 | 0.32% | 0.00% | 0.32% | 1.59% | 0.00% | 1.58% | 2.25% | 11.22% | 2.31% |
| 2035 | 562,335 | 3,964 | 566,298 | 578,903 | 3,964 | 582,866 | 593,701 | 7,927 | 601,628 | 2.37% | 0.00% | 2.35% | 1.33% | 0.00% | 1.32% | 0.30% | 79.82% | 0.89% |
| 2036 | 575,742 | 3,975 | 579,717 | 593,832 | 3,975 | 597,807 | 608,678 | 7,951 | 616,628 | 2.38% | 0.30% | 2.37% | 2.58% | 0.30% | 2.56% | 2.52% | 0.30% | 2.49% |
| 2037 | 578,903 | 3,964 | 582,866 | 593,701 | 7,488 | 601,189 | 611,760 | 7,927 | 619,687 | 0.55% | -0.30% | 0.54% | -0.02% | 88.36% | 0.57% | 0.51% | -0.30% | 0.50% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 31 | 1 | 32 | 31 | 1 | 32 | 31 | 1 | 32 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 31 | 1 | 32 | 31 | 1 | 32 | 31 | 1 | 32 | 1.64% | 0.00% | 1.59% | 0.27% | 0.00% | 0.26% | 1.08% | 0.00% | 1.04% |
| 2020 | 31 | 1 | 32 | 32 | 1 | 33 | 32 | 1 | 33 | 0.00% | 0.00% | 0.00% | 2.68% | 0.00% | 2.60% | 2.13% | 0.00% | 2.06% |
| 2021 | 31 | 1 | 32 | 32 | 1 | 33 | 32 | 1 | 33 | 0.27% | 0.00% | 0.26% | 0.26% | 0.00% | 0.25% | 1.04% | 0.00% | 1.01% |
| 2022 | 32 | 1 | 33 | 32 | 1 | 33 | 33 | 1 | 34 | 2.95% | 0.00% | 2.86% | 0.26% | 0.00% | 0.25% | 2.06% | 0.00% | 2.00% |
| 2023 | 32 | 1 | 33 | 33 | 1 | 34 | 34 | 1 | 35 | 0.26% | 0.00% | 0.25% | 2.86% | 0.00% | 2.77% | 2.02% | 0.00% | 1.96% |
| 2024 | 33 | 1 | 34 | 33 | 1 | 34 | 34 | 1 | 35 | 2.86% | 0.00% | 2.77% | 0.25% | 0.00% | 0.25% | 0.99% | 0.00% | 0.96% |
| 2025 | 33 | 1 | 34 | 34 | 1 | 35 | 35 | 1 | 36 | 0.00% | 0.00% | 0.00% | 2.77% | 0.00% | 2.69% | 2.94% | 0.00% | 2.86% |
| 2026 | 33 | 1 | 34 | 34 | 1 | 35 | 35 | 1 | 36 | 0.51% | 0.00% | 0.49% | 0.25% | 0.00% | 0.24% | 0.24% | 0.00% | 0.23% |
| 2027 | 34 | 1 | 35 | 35 | 1 | 36 | 36 | 1 | 37 | 2.51% | 0.00% | 2.44% | 2.69% | 0.00% | 2.61% | 2.61% | 0.00% | 2.54% |
| 2028 | 34 | 1 | 35 | 35 | 1 | 36 | 36 | 1 | 37 | 0.25% | 0.00% | 0.24% | 0.24% | 0.00% | 0.23% | 0.23% | 0.00% | 0.23% |
| 2029 | 35 | 1 | 36 | 36 | 1 | 37 | 37 | 1 | 38 | 2.69% | 0.00% | 2.61% | 2.61% | 0.00% | 2.54% | 2.54% | 0.00% | 2.47% |
| 2030 | 35 | 1 | 36 | 36 | 1 | 37 | 37 | 1 | 38 | 0.24% | 0.00% | 0.23% | 0.23% | 0.00% | 0.23% | 0.23% | 0.00% | 0.22% |
| 2031 | 36 | 1 | 37 | 37 | 1 | 38 | 38 | 1 | 39 | 2.61% | 0.00% | 2.54% | 2.54% | 0.00% | 2.47% | 2.47% | 0.00% | 2.41% |
| 2032 | 36 | 1 | 37 | 37 | 1 | 38 | 38 | 1 | 39 | 0.23% | 0.00% | 0.23% | 0.23% | 0.00% | 0.22% | 0.22% | 0.00% | 0.21% |
| 2033 | 37 | 1 | 38 | 38 | 1 | 39 | 39 | 1 | 40 | 2.54% | 0.00% | 2.47% | 2.47% | 0.00% | 2.41% | 2.63% | 0.00% | 2.56% |
| 2034 | 37 | 1 | 38 | 39 | 1 | 40 | 40 | 1 | 41 | 0.23% | 0.00% | 0.22% | 1.75% | 0.00% | 1.71% | 2.35% | 8.33% | 2.49% |
| 2035 | 38 | 1 | 39 | 39 | 1 | 40 | 40 | 2 | 42 | 2.47% | 0.00% | 2.41% | 1.08% | 0.00% | 1.05% | 0.21% | 84.62% | 2.43% |
| 2036 | 39 | 1 | 40 | 40 | 1 | 41 | 41 | 2 | 43 | 2.19% | 0.00% | 2.14% | 2.35% | 0.00% | 2.29% | 2.29% | 0.00% | 2.18% |
| 2037 | 39 | 1 | 40 | 40 | 2 | 42 | 41 | 2 | 43 | 0.64% | 0.00% | 0.63% | 0.21% | 91.67% | 2.44% | 0.81% | 0.00% | 0.78% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.42% |
| Medium: | 31.25% |
| Low: | 27.25% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

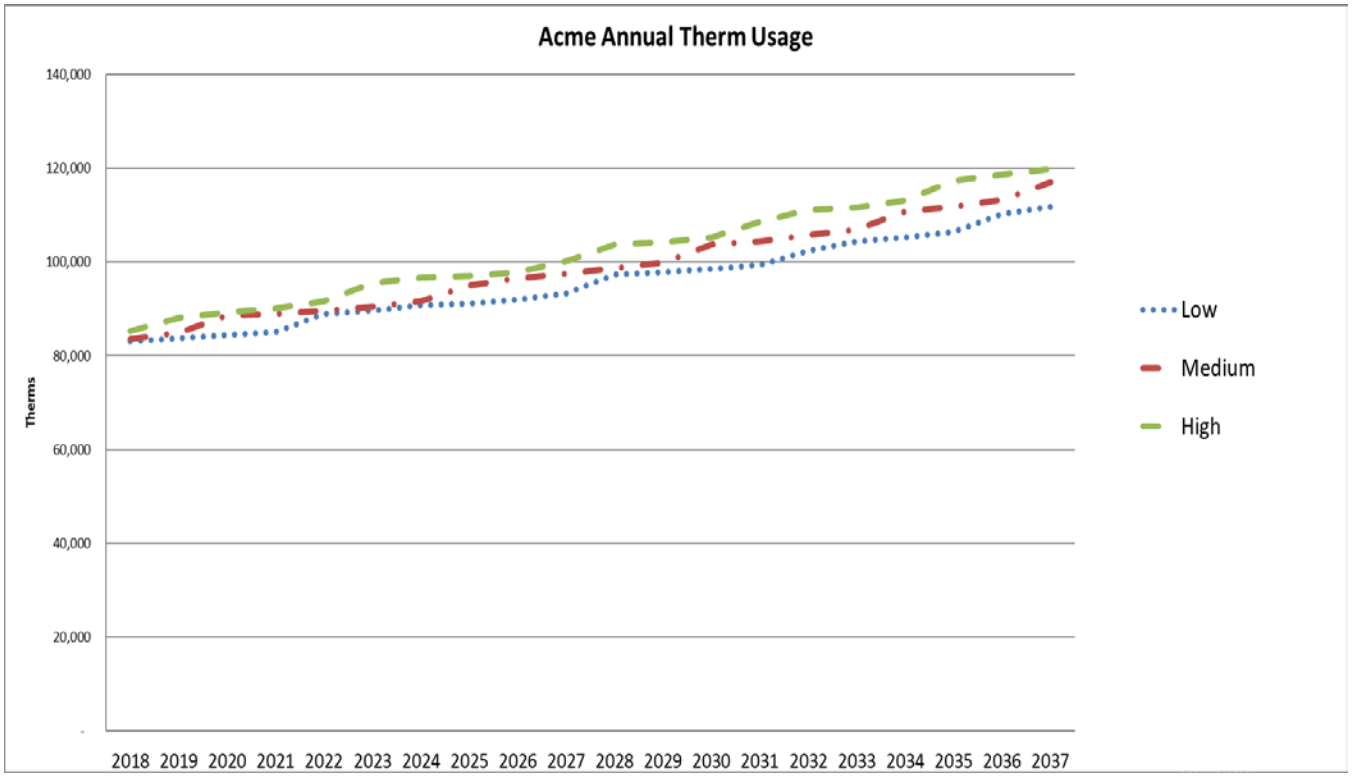
## Acme

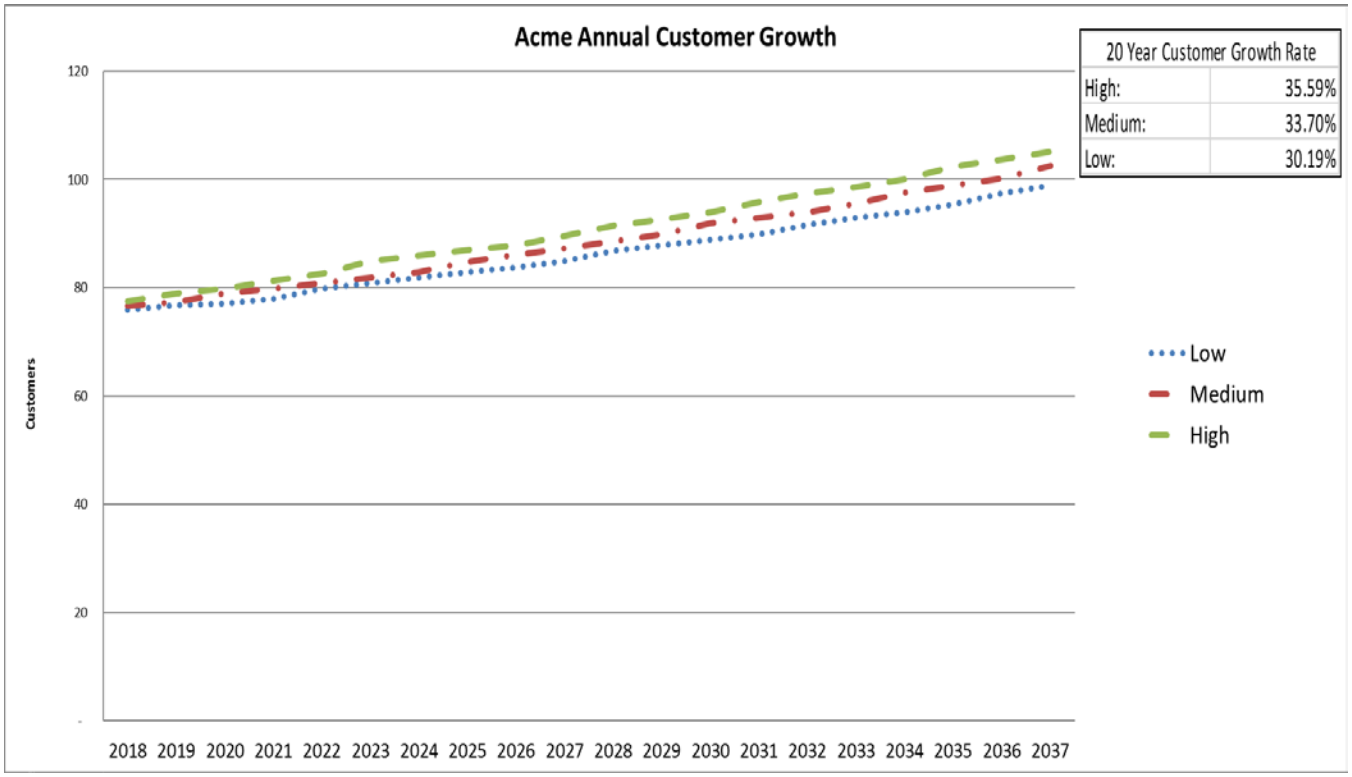
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 63,247 | 19,857 | 83,105 | 63,626 | 20,032 | 83,658 | 64,410 | 20,937 | 85,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 63,713 | 20,032 | 83,745 | 64,715 | 20,207 | 84,922 | 67,087 | 21,112 | 88,199 | 0.74% | 0.88% | 0.77% | 1.71% | 0.87% | 1.51% | 4.16% | 0.83% | 3.34% |
| 2020 | 64,390 | 20,032 | 84,422 | 67,450 | 21,112 | 88,563 | 68,034 | 21,287 | 89,321 | 1.06% | 0.00% | 0.81% | 4.23% | 4.48% | 4.29% | 1.41% | 0.83% | 1.27% |
| 2021 | 64,984 | 20,207 | 85,191 | 67,668 | 21,287 | 88,954 | 68,509 | 21,636 | 90,146 | 0.92% | 0.87% | 0.91% | 0.32% | 0.83% | 0.44% | 0.70% | 1.64% | 0.92% |
| 2022 | 67,653 | 21,287 | 88,939 | 68,233 | 21,462 | 89,695 | 69,798 | 21,811 | 91,610 | 4.11% | 5.34% | 4.40% | 0.84% | 0.82% | 0.83% | 1.88% | 0.81% | 1.62% |
| 2023 | 68,233 | 21,462 | 89,694 | 68,813 | 21,636 | 90,450 | 72,652 | 22,891 | 95,543 | 0.86% | 0.82% | 0.85% | 0.85% | 0.81% | 0.84% | 4.09% | 4.95% | 4.29% |
| 2024 | 69,202 | 21,636 | 90,838 | 69,785 | 21,811 | 91,596 | 73,646 | 23,066 | 96,711 | 1.42% | 0.81% | 1.28% | 1.41% | 0.81% | 1.27% | 1.37% | 0.76% | 1.22% |
| 2025 | 69,410 | 21,811 | 91,221 | 72,125 | 22,891 | 95,016 | 73,830 | 23,241 | 97,070 | 0.30% | 0.81% | 0.42% | 3.35% | 4.95% | 3.73% | 0.25% | 0.76% | 0.37% |
| 2026 | 69,963 | 21,986 | 91,949 | 73,461 | 23,066 | 96,527 | 74,410 | 23,415 | 97,825 | 0.80% | 0.80% | 0.80% | 1.85% | 0.76% | 1.59% | 0.79% | 0.75% | 0.78% |
| 2027 | 71,118 | 22,161 | 93,279 | 74,091 | 23,415 | 97,506 | 75,689 | 24,495 | 100,185 | 1.65% | 0.79% | 1.45% | 0.86% | 1.52% | 1.01% | 1.72% | 4.61% | 2.41% |
| 2028 | 74,169 | 23,241 | 97,410 | 75,193 | 23,590 | 98,783 | 78,965 | 24,845 | 103,810 | 4.29% | 4.87% | 4.43% | 1.49% | 0.75% | 1.31% | 4.33% | 1.43% | 3.62% |
| 2029 | 74,383 | 23,415 | 97,798 | 76,118 | 23,765 | 99,883 | 79,257 | 25,020 | 104,277 | 0.29% | 0.75% | 0.40% | 1.23% | 0.74% | 1.11% | 0.37% | 0.70% | 0.45% |
| 2030 | 74,964 | 23,590 | 98,554 | 78,830 | 24,845 | 103,675 | 79,991 | 25,195 | 105,186 | 0.78% | 0.75% | 0.77% | 3.56% | 4.54% | 3.80% | 0.93% | 0.70% | 0.87% |
| 2031 | 75,571 | 23,765 | 99,336 | 79,411 | 25,020 | 104,431 | 82,371 | 26,275 | 108,645 | 0.81% | 0.74% | 0.79% | 0.74% | 0.70% | 0.73% | 2.97% | 4.29% | 3.29% |
| 2032 | 77,566 | 24,845 | 102,411 | 80,539 | 25,195 | 105,733 | 84,576 | 26,624 | 111,201 | 2.64% | 4.54% | 3.10% | 1.42% | 0.70% | 1.25% | 2.68% | 1.33% | 2.35% |
| 2033 | 79,393 | 25,020 | 104,413 | 80,565 | 26,449 | 107,015 | 84,819 | 26,799 | 111,618 | 2.36% | 0.70% | 1.95% | 0.03% | 4.98% | 1.21% | 0.29% | 0.66% | 0.38% |
| 2034 | 80,088 | 25,195 | 105,282 | 84,222 | 26,624 | 110,846 | 86,242 | 26,974 | 113,216 | 0.88% | 0.70% | 0.83% | 4.54% | 0.66% | 3.58% | 1.68% | 0.65% | 1.43% |
| 2035 | 80,895 | 25,544 | 106,439 | 84,964 | 26,799 | 111,763 | 89,092 | 28,228 | 117,321 | 1.01% | 1.39% | 1.10% | 0.88% | 0.66% | 0.83% | 3.30% | 4.65% | 3.63% |
| 2036 | 83,689 | 26,624 | 110,313 | 86,367 | 26,974 | 113,341 | 90,326 | 28,403 | 118,730 | 3.45% | 4.23% | 3.64% | 1.65% | 0.65% | 1.41% | 1.39% | 0.62% | 1.20% |
| 2037 | 84,964 | 26,799 | 111,763 | 88,698 | 28,228 | 116,926 | 91,263 | 28,578 | 119,841 | 1.52% | 0.66% | 1.31% | 2.70% | 4.65% | 3.16% | 1.04% | 0.62% | 0.94% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 54 | 714 | 769 | 55 | 725 | 780 | 57 | 735 | 792 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 55 | 720 | 775 | 55 | 732 | 787 | 58 | 741 | 799 | 0.88% | 0.88% | 0.88% | 0.87% | 0.88% | 0.88% | 0.83% | 0.89% | 0.88% |
| 2020 | 55 | 761 | 816 | 58 | 771 | 829 | 58 | 783 | 841 | 0.00% | 5.68% | 5.28% | 4.48% | 5.34% | 5.28% | 0.83% | 5.62% | 5.28% |
| 2021 | 55 | 761 | 816 | 58 | 770 | 829 | 59 | 782 | 841 | 0.87% | -0.06% | 0.00% | 0.83% | -0.06% | 0.00% | 1.64% | -0.12% | 0.00% |
| 2022 | 58 | 765 | 823 | 59 | 777 | 836 | 60 | 789 | 848 | 5.34% | 0.50% | 0.83% | 0.82% | 0.83% | 0.83% | 0.81% | 0.83% | 0.83% |
| 2023 | 59 | 771 | 830 | 59 | 783 | 843 | 63 | 793 | 855 | 0.82% | 0.82% | 0.82% | 0.81% | 0.83% | 0.82% | 4.95% | 0.51% | 0.82% |
| 2024 | 59 | 777 | 837 | 60 | 790 | 849 | 63 | 799 | 862 | 0.81% | 0.82% | 0.82% | 0.81% | 0.82% | 0.82% | 0.76% | 0.82% | 0.82% |
| 2025 | 60 | 818 | 878 | 63 | 828 | 891 | 64 | 841 | 905 | 0.81% | 5.20% | 4.89% | 4.95% | 4.88% | 4.89% | 0.76% | 5.22% | 4.89% |
| 2026 | 60 | 831 | 891 | 63 | 842 | 905 | 64 | 854 | 919 | 0.80% | 1.60% | 1.55% | 0.76% | 1.61% | 1.55% | 0.75% | 1.61% | 1.55% |
| 2027 | 61 | 837 | 898 | 64 | 847 | 912 | 67 | 858 | 926 | 0.79% | 0.76% | 0.76% | 1.52% | 0.71% | 0.76% | 4.61% | 0.47% | 0.76% |
| 2028 | 64 | 841 | 905 | 65 | 854 | 919 | 68 | 864 | 933 | 4.87% | 0.46% | 0.76% | 0.75% | 0.76% | 0.76% | 1.43% | 0.70% | 0.76% |
| 2029 | 64 | 847 | 911 | 65 | 860 | 925 | 69 | 871 | 939 | 0.75% | 0.75% | 0.75% | 0.74% | 0.75% | 0.75% | 0.70% | 0.75% | 0.75% |
| 2030 | 65 | 888 | 952 | 68 | 899 | 967 | 69 | 913 | 982 | 0.75% | 4.77% | 4.49% | 4.54% | 4.48% | 4.49% | 0.70% | 4.79% | 4.49% |
| 2031 | 65 | 894 | 959 | 69 | 905 | 974 | 72 | 917 | 989 | 0.74% | 0.71% | 0.71% | 0.70% | 0.71% | 0.71% | 4.29% | 0.44% | 0.71% |
| 2032 | 68 | 898 | 966 | 69 | 912 | 981 | 73 | 923 | 996 | 4.54% | 0.43% | 0.71% | 0.70% | 0.71% | 0.71% | 1.33% | 0.66% | 0.71% |
| 2033 | 69 | 911 | 979 | 72 | 922 | 995 | 73 | 936 | 1,010 | 0.70% | 1.46% | 1.41% | 4.98% | 1.13% | 1.41% | 0.66% | 1.46% | 1.41% |
| 2034 | 69 | 951 | 1,020 | 73 | 963 | 1,036 | 74 | 978 | 1,052 | 0.70% | 4.44% | 4.18% | 0.66% | 4.45% | 4.18% | 0.65% | 4.45% | 4.18% |
| 2035 | 70 | 957 | 1,027 | 73 | 969 | 1,043 | 77 | 981 | 1,059 | 1.39% | 0.61% | 0.67% | 0.66% | 0.67% | 0.67% | 4.65% | 0.36% | 0.67% |
| 2036 | 73 | 961 | 1,034 | 74 | 976 | 1,050 | 78 | 988 | 1,066 | 4.23% | 0.40% | 0.66% | 0.65% | 0.66% | 0.66% | 0.62% | 0.66% | 0.66% |
| 2037 | 73 | 1,008 | 1,082 | 77 | 1,021 | 1,098 | 78 | 1,037 | 1,115 | 0.66% | 4.91% | 4.61% | 4.65% | 4.61% | 4.61% | 0.62% | 4.93% | 4.61% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 50,851 | 32,253 | 83,105 | 51,405 | 32,253 | 83,658 | 51,607 | 33,740 | 85,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 51,492 | 32,253 | 83,745 | 51,899 | 33,023 | 84,922 | 52,362 | 35,837 | 88,199 | 1.26% | 0.00% | 0.77% | 0.96% | 2.39% | 1.51% | 1.46% | 6.21% | 3.34% |
| 2020 | 52,038 | 32,384 | 84,422 | 52,580 | 35,983 | 88,563 | 53,338 | 35,983 | 89,321 | 1.06% | 0.41% | 0.81% | 1.31% | 8.96% | 4.29% | 1.86% | 0.41% | 1.27% |
| 2021 | 52,362 | 32,829 | 85,191 | 53,117 | 35,837 | 88,954 | 54,309 | 35,837 | 90,146 | 0.62% | 1.37% | 0.91% | 1.02% | -0.40% | 0.44% | 1.82% | -0.40% | 0.92% |
| 2022 | 53,108 | 35,831 | 88,939 | 53,863 | 35,831 | 89,695 | 55,203 | 36,406 | 91,610 | 1.42% | 9.15% | 4.40% | 1.40% | -0.02% | 0.83% | 1.65% | 1.59% | 1.62% |
| 2023 | 53,863 | 35,831 | 89,694 | 54,618 | 35,831 | 90,450 | 56,128 | 39,415 | 95,543 | 1.42% | 0.00% | 0.85% | 1.40% | 0.00% | 0.84% | 1.68% | 8.26% | 4.29% |
| 2024 | 54,855 | 35,983 | 90,838 | 55,614 | 35,983 | 91,596 | 57,131 | 39,581 | 96,711 | 1.84% | 0.42% | 1.28% | 1.82% | 0.42% | 1.27% | 1.79% | 0.42% | 1.22% |
| 2025 | 55,384 | 35,837 | 91,221 | 56,139 | 38,877 | 95,016 | 57,650 | 39,421 | 97,070 | 0.96% | -0.40% | 0.42% | 0.94% | 8.04% | 3.73% | 0.91% | -0.40% | 0.37% |
| 2026 | 56,112 | 35,837 | 91,949 | 57,106 | 39,421 | 96,527 | 58,405 | 39,421 | 97,825 | 1.31% | 0.00% | 0.80% | 1.72% | 1.40% | 1.59% | 1.31% | 0.00% | 0.78% |
| 2027 | 56,867 | 36,412 | 93,279 | 58,085 | 39,421 | 97,506 | 59,275 | 40,910 | 100,185 | 1.35% | 1.61% | 1.45% | 1.71% | 0.00% | 1.01% | 1.49% | 3.78% | 2.41% |
| 2028 | 57,841 | 39,569 | 97,410 | 59,214 | 39,569 | 98,783 | 60,644 | 43,166 | 103,810 | 1.71% | 8.67% | 4.43% | 1.94% | 0.38% | 1.31% | 2.31% | 5.52% | 3.62% |
| 2029 | 58,377 | 39,421 | 97,798 | 59,888 | 39,995 | 99,883 | 61,272 | 43,004 | 104,277 | 0.93% | -0.37% | 0.40% | 1.14% | 1.08% | 1.11% | 1.04% | -0.37% | 0.45% |
| 2030 | 59,133 | 39,421 | 98,554 | 60,671 | 43,004 | 103,675 | 62,181 | 43,004 | 105,186 | 1.29% | 0.00% | 0.77% | 1.31% | 7.52% | 3.80% | 1.48% | 0.00% | 0.87% |
| 2031 | 59,916 | 39,421 | 99,336 | 61,426 | 43,004 | 104,431 | 63,052 | 45,593 | 108,645 | 1.32% | 0.00% | 0.79% | 1.25% | 0.00% | 0.73% | 1.40% | 6.02% | 3.29% |
| 2032 | 60,922 | 41,489 | 102,411 | 62,554 | 43,179 | 105,733 | 64,423 | 46,777 | 111,201 | 1.68% | 5.25% | 3.10% | 1.84% | 0.41% | 1.25% | 2.17% | 2.60% | 2.35% |
| 2033 | 61,415 | 42,998 | 104,413 | 63,361 | 43,653 | 107,015 | 65,038 | 46,581 | 111,618 | 0.81% | 3.64% | 1.95% | 1.29% | 1.10% | 1.21% | 0.95% | -0.42% | 0.38% |
| 2034 | 62,285 | 42,998 | 105,282 | 64,265 | 46,581 | 110,846 | 66,061 | 47,155 | 113,216 | 1.42% | 0.00% | 0.83% | 1.43% | 6.71% | 3.58% | 1.57% | 1.23% | 1.43% |
| 2035 | 63,435 | 43,004 | 106,439 | 65,175 | 46,588 | 111,763 | 67,149 | 50,172 | 117,321 | 1.85% | 0.02% | 1.10% | 1.42% | 0.02% | 0.83% | 1.65% | 6.40% | 3.63% |
| 2036 | 64,545 | 45,768 | 110,313 | 66,563 | 46,777 | 113,341 | 68,354 | 50,376 | 118,730 | 1.75% | 6.43% | 3.64% | 2.13% | 0.41% | 1.41% | 1.79% | 0.41% | 1.20% |
| 2037 | 65,175 | 46,588 | 111,763 | 67,298 | 49,628 | 116,926 | 69,094 | 50,747 | 119,841 | 0.98% | 1.79% | 1.31% | 1.10% | 6.09% | 3.16% | 1.08% | 0.74% | 0.94% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 67 | 9 | 76 | 68 | 9 | 77 | 68 | 10 | 78 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 68 | 9 | 77 | 68 | 9 | 77 | 69 | 10 | 79 | 1.37% | 0.00% | 1.21% | 0.86% | 1.85% | 0.98% | 1.47% | 4.35% | 1.83% |
| 2020 | 68 | 9 | 77 | 69 | 10 | 79 | 70 | 10 | 80 | 0.37% | 0.00% | 0.33% | 0.98% | 9.09% | 1.94% | 1.45% | 0.00% | 1.27% |
| 2021 | 69 | 9 | 78 | 70 | 10 | 80 | 71 | 10 | 81 | 1.22% | 0.93% | 1.19% | 1.45% | 0.00% | 1.27% | 2.03% | 0.00% | 1.77% |
| 2022 | 70 | 10 | 80 | 71 | 10 | 81 | 73 | 10 | 83 | 1.45% | 10.09% | 2.46% | 1.43% | 0.00% | 1.25% | 1.75% | 0.83% | 1.64% |
| 2023 | 71 | 10 | 81 | 72 | 10 | 82 | 74 | 11 | 85 | 1.43% | 0.00% | 1.25% | 1.41% | 0.00% | 1.24% | 1.84% | 9.09% | 2.72% |
| 2024 | 72 | 10 | 82 | 73 | 10 | 83 | 75 | 11 | 86 | 1.41% | 0.00% | 1.24% | 1.39% | 0.00% | 1.22% | 1.35% | 0.00% | 1.18% |
| 2025 | 73 | 10 | 83 | 74 | 11 | 85 | 76 | 11 | 87 | 1.39% | 0.00% | 1.22% | 1.37% | 9.17% | 2.31% | 1.33% | 0.00% | 1.16% |
| 2026 | 74 | 10 | 84 | 75 | 11 | 86 | 77 | 11 | 88 | 1.26% | 0.00% | 1.11% | 1.58% | 0.76% | 1.47% | 1.32% | 0.00% | 1.15% |
| 2027 | 75 | 10 | 85 | 76 | 11 | 87 | 78 | 12 | 90 | 1.35% | 0.83% | 1.29% | 1.66% | 0.00% | 1.45% | 1.41% | 5.30% | 1.90% |
| 2028 | 76 | 11 | 87 | 78 | 11 | 89 | 79 | 12 | 91 | 1.34% | 9.09% | 2.26% | 1.64% | 0.00% | 1.43% | 1.82% | 3.60% | 2.05% |
| 2029 | 77 | 11 | 88 | 79 | 11 | 90 | 81 | 12 | 93 | 1.32% | 0.00% | 1.15% | 1.61% | 0.76% | 1.51% | 1.57% | 0.00% | 1.37% |
| 2030 | 78 | 11 | 89 | 80 | 12 | 92 | 82 | 12 | 94 | 1.30% | 0.00% | 1.14% | 1.37% | 8.27% | 2.22% | 1.55% | 0.00% | 1.35% |
| 2031 | 79 | 11 | 90 | 81 | 12 | 93 | 83 | 13 | 96 | 1.39% | 0.00% | 1.22% | 1.25% | 0.00% | 1.09% | 1.32% | 6.94% | 2.04% |
| 2032 | 80 | 12 | 92 | 82 | 12 | 94 | 84 | 13 | 97 | 1.27% | 6.06% | 1.85% | 1.34% | 0.00% | 1.17% | 1.71% | 1.30% | 1.65% |
| 2033 | 81 | 12 | 93 | 83 | 12 | 96 | 86 | 13 | 99 | 1.25% | 2.86% | 1.46% | 1.63% | 1.39% | 1.60% | 1.48% | 0.00% | 1.28% |
| 2034 | 82 | 12 | 94 | 85 | 13 | 98 | 87 | 13 | 100 | 1.34% | 0.00% | 1.17% | 1.50% | 6.85% | 2.18% | 1.56% | 0.64% | 1.44% |
| 2035 | 83 | 12 | 95 | 86 | 13 | 99 | 88 | 14 | 102 | 1.73% | 0.00% | 1.51% | 1.48% | 0.00% | 1.28% | 1.53% | 7.01% | 2.25% |
| 2036 | 85 | 13 | 97 | 87 | 13 | 100 | 90 | 14 | 104 | 1.40% | 6.94% | 2.10% | 1.55% | 0.00% | 1.35% | 1.51% | 0.00% | 1.30% |
| 2037 | 86 | 13 | 99 | 89 | 14 | 103 | 91 | 14 | 105 | 1.48% | 1.30% | 1.45% | 1.63% | 7.05% | 2.33% | 1.49% | 0.60% | 1.37% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.59% |
| Medium: | 33.70% |
| Low: | 30.19% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

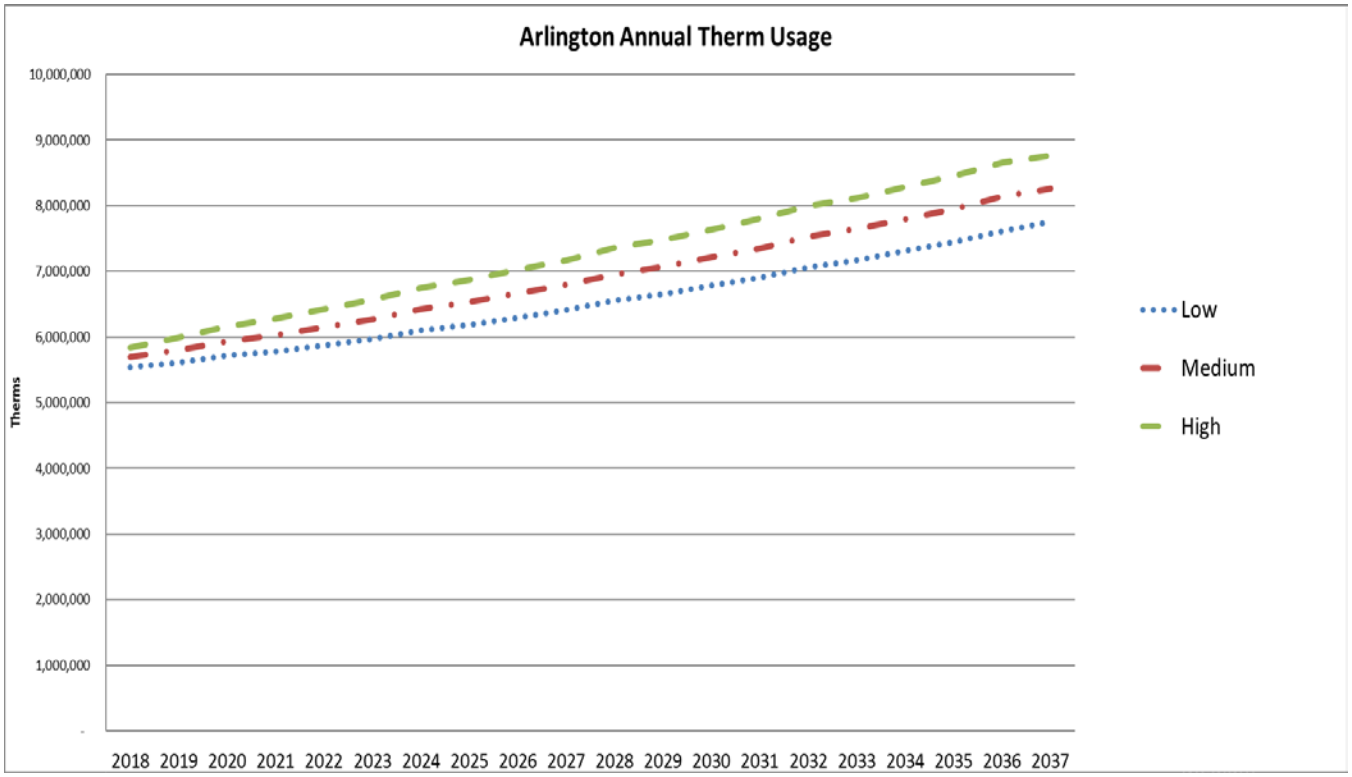
## Arlington

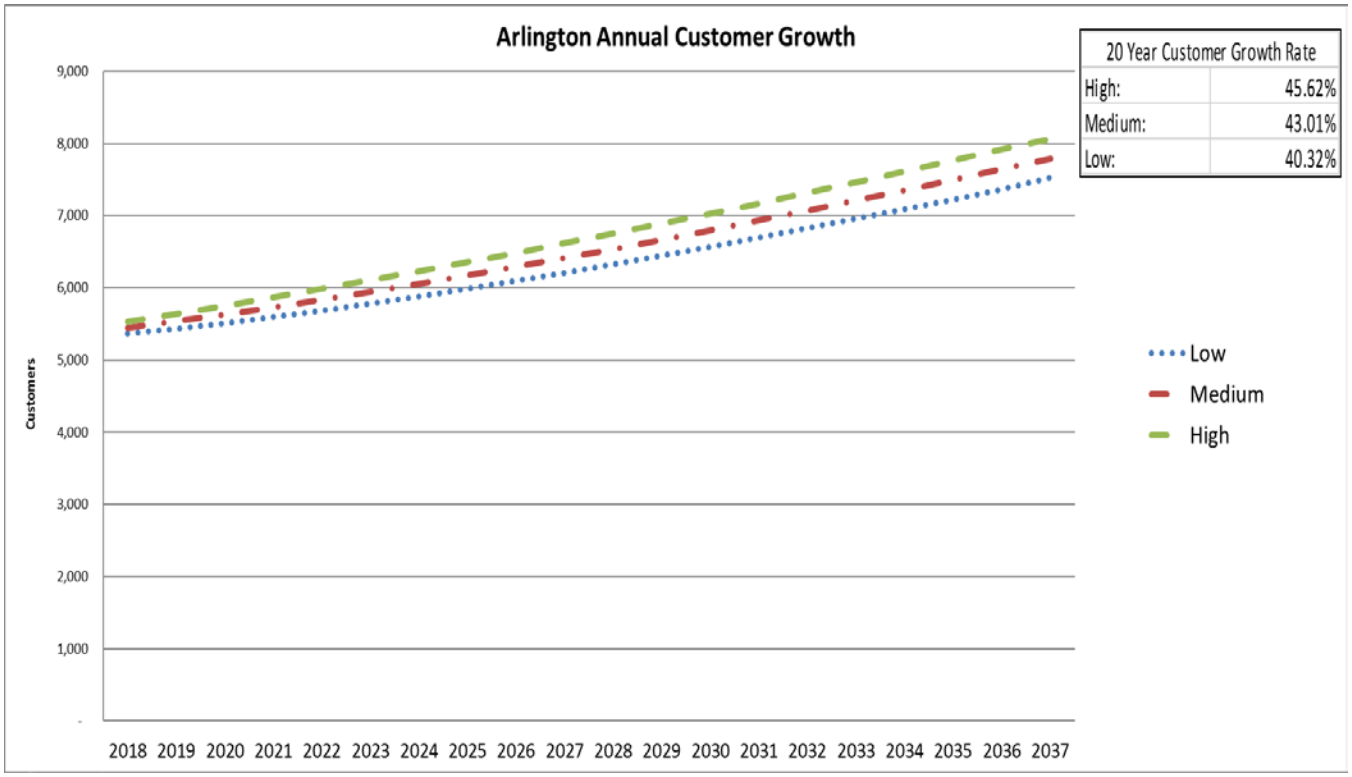
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,614,846 | 1,927,912 | 5,542,758 | 3,700,423 | 1,994,378 | 5,694,801 | 3,788,943 | 2,055,025 | 5,843,968 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,661,832 | 1,955,409 | 5,617,241 | 3,769,268 | 2,036,744 | 5,806,012 | 3,881,257 | 2,112,480 | 5,993,737 | 1.30% | 1.43% | 1.34% | 1.86% | 2.12% | 1.95% | 2.44% | 2.80% | 2.56% |
| 2020 | 3,731,749 | 1,985,460 | 5,717,209 | 3,866,163 | 2,074,387 | 5,940,550 | 3,994,602 | 2,169,133 | 6,163,734 | 1.91% | 1.54% | 1.78% | 2.57% | 1.85% | 2.32% | 2.92% | 2.68% | 2.84% |
| 2021 | 3,765,291 | 2,016,825 | 5,782,116 | 3,913,081 | 2,118,943 | 6,032,024 | 4,057,771 | 2,225,419 | 6,283,191 | 0.90% | 1.58% | 1.14% | 1.21% | 2.15% | 1.54% | 1.58% | 2.59% | 1.94% |
| 2022 | 3,824,126 | 2,050,744 | 5,874,870 | 3,987,409 | 2,164,156 | 6,151,564 | 4,152,137 | 2,276,545 | 6,428,682 | 1.56% | 1.68% | 1.60% | 1.90% | 2.13% | 1.98% | 2.33% | 2.30% | 2.32% |
| 2023 | 3,888,011 | 2,085,540 | 5,973,551 | 4,064,177 | 2,210,463 | 6,274,640 | 4,240,124 | 2,334,145 | 6,574,269 | 1.67% | 1.70% | 1.68% | 1.93% | 2.14% | 2.00% | 2.12% | 2.53% | 2.26% |
| 2024 | 3,980,452 | 2,121,430 | 6,101,883 | 4,171,410 | 2,256,405 | 6,427,816 | 4,363,545 | 2,386,804 | 6,750,349 | 2.38% | 1.72% | 2.15% | 2.64% | 2.08% | 2.44% | 2.91% | 2.26% | 2.68% |
| 2025 | 4,031,109 | 2,158,196 | 6,189,305 | 4,226,925 | 2,304,245 | 6,531,170 | 4,427,175 | 2,444,696 | 6,871,871 | 1.27% | 1.73% | 1.43% | 1.33% | 2.12% | 1.61% | 1.46% | 2.43% | 1.80% |
| 2026 | 4,098,306 | 2,202,678 | 6,300,985 | 4,315,092 | 2,347,143 | 6,662,235 | 4,525,698 | 2,497,207 | 7,022,905 | 1.67% | 2.06% | 1.80% | 2.09% | 1.86% | 2.01% | 2.23% | 2.15% | 2.20% |
| 2027 | 4,172,974 | 2,242,437 | 6,415,411 | 4,399,576 | 2,396,516 | 6,796,091 | 4,619,299 | 2,556,413 | 7,175,712 | 1.82% | 1.81% | 1.82% | 1.96% | 2.10% | 2.01% | 2.07% | 2.37% | 2.18% |
| 2028 | 4,278,713 | 2,281,392 | 6,560,106 | 4,511,109 | 2,446,545 | 6,957,654 | 4,746,473 | 2,610,238 | 7,356,712 | 2.53% | 1.74% | 2.26% | 2.54% | 2.09% | 2.38% | 2.75% | 2.11% | 2.52% |
| 2029 | 4,327,155 | 2,328,283 | 6,655,438 | 4,574,842 | 2,497,013 | 7,071,855 | 4,814,855 | 2,670,539 | 7,485,394 | 1.13% | 2.06% | 1.45% | 1.41% | 2.06% | 1.64% | 1.44% | 2.31% | 1.75% |
| 2030 | 4,408,717 | 2,375,611 | 6,784,328 | 4,664,645 | 2,548,356 | 7,213,001 | 4,917,295 | 2,725,678 | 7,642,973 | 1.88% | 2.03% | 1.94% | 1.96% | 2.06% | 2.00% | 2.13% | 2.06% | 2.11% |
| 2031 | 4,492,274 | 2,417,997 | 6,910,272 | 4,756,931 | 2,598,896 | 7,355,828 | 5,013,611 | 2,787,073 | 7,800,684 | 1.90% | 1.78% | 1.86% | 1.98% | 1.98% | 1.98% | 1.96% | 2.25% | 2.06% |
| 2032 | 4,601,447 | 2,466,639 | 7,068,087 | 4,878,684 | 2,651,334 | 7,530,018 | 5,149,259 | 2,843,088 | 7,992,347 | 2.43% | 2.01% | 2.28% | 2.56% | 2.02% | 2.37% | 2.71% | 2.01% | 2.46% |
| 2033 | 4,663,402 | 2,510,120 | 7,173,522 | 4,937,680 | 2,710,028 | 7,647,708 | 5,219,339 | 2,904,118 | 8,123,457 | 1.35% | 1.76% | 1.49% | 1.21% | 2.21% | 1.56% | 1.36% | 2.15% | 1.64% |
| 2034 | 4,749,132 | 2,559,857 | 7,308,988 | 5,032,365 | 2,763,561 | 7,795,926 | 5,323,919 | 2,961,447 | 8,285,366 | 1.84% | 1.98% | 1.89% | 1.92% | 1.98% | 1.94% | 2.00% | 1.97% | 1.99% |
| 2035 | 4,836,464 | 2,610,470 | 7,446,933 | 5,133,399 | 2,817,750 | 7,951,149 | 5,428,480 | 3,024,812 | 8,453,293 | 1.84% | 1.98% | 1.89% | 2.01% | 1.96% | 1.99% | 1.96% | 2.14% | 2.03% |
| 2036 | 4,956,300 | 2,662,761 | 7,619,061 | 5,264,860 | 2,872,378 | 8,137,238 | 5,571,114 | 3,081,776 | 8,652,889 | 2.48% | 2.00% | 2.31% | 2.56% | 1.94% | 2.34% | 2.63% | 1.88% | 2.36% |
| 2037 | 5,047,287 | 2,708,650 | 7,755,938 | 5,333,706 | 2,927,662 | 8,261,368 | 5,620,277 | 3,146,455 | 8,766,732 | 1.84% | 1.72% | 1.80% | 1.31% | 1.92% | 1.53% | 0.88% | 2.10% | 1.32% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 5,282 | 52,073 | 57,355 | 5,464 | 52,770 | 58,234 | 5,630 | 53,490 | 59,120 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,357 | 53,134 | 58,491 | 5,580 | 53,807 | 59,387 | 5,788 | 54,504 | 60,292 | 1.43% | 2.04% | 1.98% | 2.12% | 1.97% | 1.98% | 2.80% | 1.90% | 1.98% |
| 2020 | 5,440 | 54,231 | 59,671 | 5,683 | 54,902 | 60,586 | 5,943 | 55,565 | 61,508 | 1.54% | 2.07% | 2.02% | 1.85% | 2.03% | 2.02% | 2.68% | 1.95% | 2.02% |
| 2021 | 5,526 | 55,355 | 60,880 | 5,805 | 56,008 | 61,813 | 6,097 | 56,657 | 62,754 | 1.58% | 2.07% | 2.03% | 2.15% | 2.01% | 2.03% | 2.59% | 1.97% | 2.03% |
| 2022 | 5,618 | 56,500 | 62,118 | 5,929 | 57,141 | 63,070 | 6,237 | 57,793 | 64,031 | 1.68% | 2.07% | 2.03% | 2.13% | 2.02% | 2.03% | 2.30% | 2.01% | 2.03% |
| 2023 | 5,714 | 57,554 | 63,268 | 6,056 | 58,181 | 64,237 | 6,395 | 58,820 | 65,215 | 1.70% | 1.87% | 1.85% | 2.14% | 1.82% | 1.85% | 2.53% | 1.78% | 1.85% |
| 2024 | 5,812 | 58,752 | 64,564 | 6,182 | 59,371 | 65,553 | 6,539 | 60,012 | 66,551 | 1.72% | 2.08% | 2.05% | 2.08% | 2.05% | 2.05% | 2.26% | 2.03% | 2.05% |
| 2025 | 5,913 | 59,969 | 65,882 | 6,313 | 60,579 | 66,892 | 6,698 | 61,212 | 67,910 | 1.73% | 2.07% | 2.04% | 2.12% | 2.03% | 2.04% | 2.43% | 2.00% | 2.04% |
| 2026 | 6,035 | 61,164 | 67,199 | 6,431 | 61,799 | 68,229 | 6,842 | 62,426 | 69,268 | 2.06% | 1.99% | 2.00% | 1.86% | 2.01% | 2.00% | 2.15% | 1.98% | 2.00% |
| 2027 | 6,144 | 62,417 | 68,561 | 6,566 | 63,046 | 69,611 | 7,004 | 63,668 | 70,671 | 1.81% | 2.05% | 2.03% | 2.10% | 2.02% | 2.03% | 2.37% | 1.99% | 2.03% |
| 2028 | 6,250 | 63,701 | 69,951 | 6,703 | 64,321 | 71,023 | 7,151 | 64,954 | 72,105 | 1.74% | 2.06% | 2.03% | 2.09% | 2.02% | 2.03% | 2.11% | 2.02% | 2.03% |
| 2029 | 6,379 | 64,985 | 71,364 | 6,841 | 65,616 | 72,458 | 7,317 | 66,244 | 73,561 | 2.06% | 2.02% | 2.02% | 2.06% | 2.01% | 2.02% | 2.31% | 1.99% | 2.02% |
| 2030 | 6,509 | 66,282 | 72,791 | 6,982 | 66,925 | 73,906 | 7,468 | 67,564 | 75,032 | 2.03% | 2.00% | 2.00% | 2.06% | 1.99% | 2.00% | 2.06% | 1.99% | 2.00% |
| 2031 | 6,625 | 67,615 | 74,239 | 7,120 | 68,257 | 75,377 | 7,636 | 68,889 | 76,525 | 1.78% | 2.01% | 1.99% | 1.98% | 1.99% | 1.99% | 2.25% | 1.96% | 1.99% |
| 2032 | 6,758 | 68,945 | 75,703 | 7,264 | 69,599 | 76,863 | 7,789 | 70,244 | 78,033 | 2.01% | 1.97% | 1.97% | 2.02% | 1.97% | 1.97% | 2.01% | 1.97% | 1.97% |
| 2033 | 6,877 | 70,311 | 77,188 | 7,425 | 70,946 | 78,371 | 7,956 | 71,608 | 79,564 | 1.76% | 1.98% | 1.96% | 2.21% | 1.94% | 1.96% | 2.15% | 1.94% | 1.96% |
| 2034 | 7,013 | 71,799 | 78,812 | 7,571 | 72,449 | 80,020 | 8,114 | 73,125 | 81,239 | 1.98% | 2.12% | 2.10% | 1.98% | 2.12% | 2.10% | 1.97% | 2.12% | 2.10% |
| 2035 | 7,152 | 73,152 | 80,304 | 7,720 | 73,815 | 81,535 | 8,287 | 74,489 | 82,776 | 1.98% | 1.88% | 1.89% | 1.96% | 1.89% | 1.89% | 2.14% | 1.87% | 1.89% |
| 2036 | 7,295 | 74,552 | 81,847 | 7,870 | 75,232 | 83,102 | 8,443 | 75,924 | 84,367 | 2.00% | 1.91% | 1.92% | 1.94% | 1.92% | 1.92% | 1.88% | 1.93% | 1.92% |
| 2037 | 7,421 | 75,991 | 83,412 | 8,021 | 76,670 | 84,691 | 8,620 | 77,360 | 85,980 | 1.72% | 1.93% | 1.91% | 1.92% | 1.91% | 1.91% | 2.10% | 1.89% | 1.91% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,370,910 | 2,171,848 | 5,542,758 | 3,414,163 | 2,280,638 | 5,694,801 | 3,457,193 | 2,386,775 | 5,843,968 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,416,304 | 2,200,937 | 5,617,241 | 3,469,154 | 2,336,858 | 5,806,012 | 3,521,855 | 2,471,882 | 5,993,737 | 1.35% | 1.34% | 1.34% | 1.61% | 2.47% | 1.95% | 1.87% | 3.57% | 2.56% |
| 2020 | 3,480,122 | 2,237,087 | 5,717,209 | 3,541,454 | 2,399,097 | 5,940,550 | 3,603,214 | 2,560,521 | 6,163,734 | 1.87% | 1.64% | 1.78% | 2.08% | 2.66% | 2.32% | 2.31% | 3.59% | 2.84% |
| 2021 | 3,520,566 | 2,261,550 | 5,782,116 | 3,589,112 | 2,442,912 | 6,032,024 | 3,657,861 | 2,625,330 | 6,283,191 | 1.16% | 1.09% | 1.14% | 1.35% | 1.83% | 1.54% | 1.52% | 2.53% | 1.94% |
| 2022 | 3,577,925 | 2,296,945 | 5,874,870 | 3,653,314 | 2,498,251 | 6,151,564 | 3,728,721 | 2,699,961 | 6,428,682 | 1.63% | 1.57% | 1.60% | 1.79% | 2.27% | 1.98% | 1.94% | 2.84% | 2.32% |
| 2023 | 3,639,446 | 2,334,105 | 5,973,551 | 3,721,126 | 2,553,514 | 6,274,640 | 3,802,513 | 2,771,757 | 6,574,269 | 1.72% | 1.62% | 1.68% | 1.86% | 2.21% | 2.00% | 1.98% | 2.66% | 2.26% |
| 2024 | 3,719,515 | 2,382,368 | 6,101,883 | 3,807,084 | 2,620,731 | 6,427,816 | 3,894,596 | 2,855,753 | 6,750,349 | 2.20% | 2.07% | 2.15% | 2.31% | 2.63% | 2.44% | 2.42% | 3.03% | 2.68% |
| 2025 | 3,772,252 | 2,417,053 | 6,189,305 | 3,864,915 | 2,666,255 | 6,531,170 | 3,957,519 | 2,914,352 | 6,871,871 | 1.42% | 1.46% | 1.43% | 1.52% | 1.74% | 1.61% | 1.62% | 2.05% | 1.80% |
| 2026 | 3,842,602 | 2,458,382 | 6,300,985 | 3,940,302 | 2,721,934 | 6,662,235 | 4,037,841 | 2,985,064 | 7,022,905 | 1.86% | 1.71% | 1.80% | 1.95% | 2.09% | 2.01% | 2.03% | 2.43% | 2.20% |
| 2027 | 3,915,476 | 2,499,935 | 6,415,411 | 4,017,952 | 2,778,139 | 6,796,091 | 4,120,404 | 3,055,308 | 7,175,712 | 1.90% | 1.69% | 1.82% | 1.97% | 2.06% | 2.01% | 2.04% | 2.35% | 2.18% |
| 2028 | 4,005,414 | 2,554,691 | 6,560,106 | 4,112,799 | 2,844,856 | 6,957,654 | 4,220,193 | 3,136,519 | 7,356,712 | 2.30% | 2.19% | 2.26% | 2.36% | 2.40% | 2.38% | 2.42% | 2.66% | 2.52% |
| 2029 | 4,068,226 | 2,587,211 | 6,655,438 | 4,179,584 | 2,892,271 | 7,071,855 | 4,291,061 | 3,194,334 | 7,485,394 | 1.57% | 1.27% | 1.45% | 1.62% | 1.67% | 1.64% | 1.68% | 1.84% | 1.75% |
| 2030 | 4,147,654 | 2,636,674 | 6,784,328 | 4,263,479 | 2,949,523 | 7,213,001 | 4,379,107 | 3,263,866 | 7,642,973 | 1.95% | 1.91% | 1.94% | 2.01% | 1.98% | 2.00% | 2.05% | 2.18% | 2.11% |
| 2031 | 4,229,380 | 2,680,892 | 6,910,272 | 4,349,023 | 3,006,804 | 7,355,828 | 4,468,889 | 3,331,796 | 7,800,684 | 1.97% | 1.68% | 1.86% | 2.01% | 1.94% | 1.98% | 2.05% | 2.08% | 2.06% |
| 2032 | 4,330,274 | 2,737,813 | 7,068,087 | 4,454,234 | 3,075,784 | 7,530,018 | 4,578,500 | 3,413,848 | 7,992,347 | 2.39% | 2.12% | 2.28% | 2.42% | 2.29% | 2.37% | 2.45% | 2.46% | 2.46% |
| 2033 | 4,397,968 | 2,775,554 | 7,173,522 | 4,525,377 | 3,122,331 | 7,647,708 | 4,652,978 | 3,470,479 | 8,123,457 | 1.56% | 1.38% | 1.49% | 1.60% | 1.51% | 1.56% | 1.63% | 1.66% | 1.64% |
| 2034 | 4,485,487 | 2,823,502 | 7,308,988 | 4,616,662 | 3,179,263 | 7,795,926 | 4,747,790 | 3,537,576 | 8,285,366 | 1.99% | 1.73% | 1.89% | 2.02% | 1.82% | 1.94% | 2.04% | 1.93% | 1.99% |
| 2035 | 4,575,473 | 2,871,460 | 7,446,933 | 4,710,398 | 3,240,751 | 7,951,149 | 4,845,211 | 3,608,082 | 8,453,293 | 2.01% | 1.70% | 1.89% | 2.03% | 1.93% | 1.99% | 2.05% | 1.99% | 2.03% |
| 2036 | 4,685,576 | 2,933,485 | 7,619,061 | 4,824,596 | 3,312,642 | 8,137,238 | 4,963,393 | 3,689,497 | 8,652,889 | 2.41% | 2.16% | 2.31% | 2.42% | 2.22% | 2.34% | 2.44% | 2.26% | 2.36% |
| 2037 | 4,783,955 | 2,971,983 | 7,755,938 | 4,902,318 | 3,359,050 | 8,261,368 | 5,020,655 | 3,746,077 | 8,766,732 | 2.10% | 1.31% | 1.80% | 1.61% | 1.40% | 1.53% | 1.15% | 1.53% | 1.32% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 4,750 | 613 | 5,364 | 4,812 | 637 | 5,448 | 4,873 | 659 | 5,532 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,815 | 620 | 5,435 | 4,889 | 649 | 5,539 | 4,964 | 678 | 5,642 | 1.35% | 1.10% | 1.32% | 1.61% | 2.00% | 1.66% | 1.87% | 2.86% | 1.99% |
| 2020 | 4,885 | 628 | 5,513 | 4,972 | 662 | 5,633 | 5,058 | 696 | 5,754 | 1.46% | 1.22% | 1.44% | 1.68% | 1.93% | 1.71% | 1.91% | 2.63% | 1.99% |
| 2021 | 4,962 | 636 | 5,597 | 5,059 | 674 | 5,733 | 5,156 | 713 | 5,868 | 1.57% | 1.27% | 1.54% | 1.75% | 1.88% | 1.77% | 1.92% | 2.43% | 1.98% |
| 2022 | 5,043 | 645 | 5,688 | 5,150 | 687 | 5,837 | 5,256 | 729 | 5,986 | 1.65% | 1.38% | 1.62% | 1.80% | 1.90% | 1.82% | 1.95% | 2.34% | 2.00% |
| 2023 | 5,130 | 654 | 5,784 | 5,246 | 700 | 5,945 | 5,360 | 746 | 6,106 | 1.72% | 1.41% | 1.69% | 1.86% | 1.86% | 1.86% | 1.98% | 2.25% | 2.01% |
| 2024 | 5,222 | 663 | 5,885 | 5,345 | 713 | 6,057 | 5,468 | 762 | 6,230 | 1.78% | 1.43% | 1.74% | 1.89% | 1.82% | 1.88% | 2.00% | 2.18% | 2.03% |
| 2025 | 5,317 | 673 | 5,989 | 5,448 | 725 | 6,173 | 5,578 | 778 | 6,356 | 1.83% | 1.45% | 1.78% | 1.92% | 1.80% | 1.91% | 2.02% | 2.07% | 2.03% |
| 2026 | 5,416 | 683 | 6,099 | 5,554 | 738 | 6,292 | 5,692 | 794 | 6,485 | 1.87% | 1.49% | 1.82% | 1.95% | 1.77% | 1.93% | 2.03% | 2.02% | 2.03% |
| 2027 | 5,519 | 692 | 6,211 | 5,663 | 751 | 6,414 | 5,808 | 809 | 6,617 | 1.90% | 1.44% | 1.85% | 1.97% | 1.73% | 1.94% | 2.05% | 1.98% | 2.04% |
| 2028 | 5,625 | 703 | 6,328 | 5,776 | 764 | 6,540 | 5,927 | 825 | 6,752 | 1.92% | 1.47% | 1.87% | 1.99% | 1.69% | 1.95% | 2.05% | 1.93% | 2.03% |
| 2029 | 5,734 | 713 | 6,447 | 5,891 | 777 | 6,668 | 6,049 | 840 | 6,889 | 1.94% | 1.45% | 1.89% | 2.00% | 1.70% | 1.96% | 2.06% | 1.87% | 2.03% |
| 2030 | 5,846 | 723 | 6,570 | 6,010 | 790 | 6,799 | 6,173 | 856 | 7,029 | 1.95% | 1.51% | 1.91% | 2.01% | 1.66% | 1.97% | 2.05% | 1.83% | 2.03% |
| 2031 | 5,962 | 734 | 6,695 | 6,130 | 802 | 6,933 | 6,300 | 871 | 7,170 | 1.97% | 1.43% | 1.91% | 2.01% | 1.63% | 1.96% | 2.05% | 1.77% | 2.02% |
| 2032 | 6,080 | 744 | 6,824 | 6,254 | 815 | 7,069 | 6,429 | 886 | 7,315 | 1.98% | 1.44% | 1.92% | 2.01% | 1.61% | 1.97% | 2.05% | 1.75% | 2.01% |
| 2033 | 6,200 | 755 | 6,955 | 6,380 | 828 | 7,208 | 6,560 | 902 | 7,462 | 1.98% | 1.44% | 1.92% | 2.02% | 1.60% | 1.97% | 2.04% | 1.74% | 2.01% |
| 2034 | 6,324 | 766 | 7,090 | 6,509 | 841 | 7,350 | 6,694 | 917 | 7,610 | 1.99% | 1.45% | 1.93% | 2.02% | 1.55% | 1.96% | 2.04% | 1.65% | 1.99% |
| 2035 | 6,450 | 777 | 7,227 | 6,640 | 854 | 7,494 | 6,830 | 932 | 7,762 | 1.99% | 1.41% | 1.93% | 2.02% | 1.57% | 1.97% | 2.04% | 1.66% | 1.99% |
| 2036 | 6,579 | 788 | 7,367 | 6,774 | 867 | 7,642 | 6,969 | 947 | 7,916 | 2.00% | 1.43% | 1.94% | 2.02% | 1.53% | 1.96% | 2.03% | 1.61% | 1.98% |
| 2037 | 6,728 | 799 | 7,527 | 6,911 | 881 | 7,791 | 7,094 | 962 | 8,056 | 2.26% | 1.40% | 2.17% | 2.02% | 1.51% | 1.96% | 1.79% | 1.60% | 1.77% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 45.62% |
| Medium: | 43.01% |
| Low: | 40.32% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Bremerton (Shelton)

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 22,316,256 | 11,860,575 | 34,176,831 | 22,765,813 | 12,106,067 | 34,871,880 | 23,214,498 | 12,351,742 | 35,566,240 |
| 2019 | 22,473,348 | 11,934,657 | 34,408,005 | 23,063,935 | 12,247,140 | 35,311,075 | 23,655,747 | 12,559,622 | 36,215,369 |
| 2020 | 22,783,589 | 11,918,109 | 34,701,698 | 23,493,866 | 12,284,503 | 35,778,369 | 24,203,342 | 12,652,597 | 36,855,940 |
| 2021 | 22,864,313 | 12,021,148 | 34,885,461 | 23,668,235 | 12,435,123 | 36,103,358 | 24,471,917 | 12,849,099 | 37,321,016 |
| 2022 | 23,099,918 | 12,132,949 | 35,232,868 | 23,991,836 | 12,589,092 | 36,580,927 | 24,881,789 | 13,046,751 | 37,928,540 |
| 2023 | 23,353,706 | 12,252,599 | 35,606,304 | 24,324,386 | 12,747,925 | 37,072,312 | 25,295,184 | 13,243,069 | 38,538,253 |
| 2024 | 23,766,548 | 12,378,578 | 36,145,125 | 24,815,417 | 12,911,624 | 37,727,041 | 25,867,060 | 13,442,787 | 39,309,847 |
| 2025 | 23,903,823 | 12,513,555 | 36,417,379 | 25,017,102 | 13,078,488 | 38,095,591 | 26,130,447 | 13,643,605 | 39,774,051 |
| 2026 | 24,198,352 | 12,652,614 | 36,850,966 | 25,374,569 | 13,251,918 | 38,626,487 | 26,554,774 | 13,848,188 | 40,402,962 |
| 2027 | 24,506,249 | 12,798,787 | 37,305,036 | 25,744,552 | 13,426,996 | 39,171,548 | 26,982,421 | 14,055,388 | 41,037,809 |
| 2028 | 24,971,334 | 12,950,558 | 37,921,892 | 26,276,438 | 13,607,122 | 39,883,560 | 27,578,810 | 14,265,203 | 41,844,013 |
| 2029 | 25,151,977 | 13,109,443 | 38,261,420 | 26,507,458 | 13,792,296 | 40,299,754 | 27,858,718 | 14,478,001 | 42,336,718 |
| 2030 | 25,502,171 | 13,378,918 | 38,881,089 | 26,909,330 | 14,089,028 | 40,998,358 | 28,314,103 | 14,800,655 | 43,114,757 |
| 2031 | 25,862,557 | 13,548,450 | 39,411,007 | 27,321,892 | 14,283,933 | 41,605,825 | 28,779,187 | 15,020,750 | 43,799,937 |
| 2032 | 26,383,682 | 13,721,697 | 40,105,378 | 27,899,658 | 14,483,704 | 42,383,362 | 29,416,957 | 15,245,344 | 44,662,301 |
| 2033 | 26,595,310 | 13,900,358 | 40,495,668 | 28,150,821 | 14,686,822 | 42,837,643 | 29,707,552 | 15,471,587 | 45,179,138 |
| 2034 | 26,975,987 | 14,085,401 | 41,061,389 | 28,578,670 | 14,894,807 | 43,473,476 | 30,181,958 | 15,702,328 | 45,884,287 |
| 2035 | 27,369,892 | 14,274,342 | 41,644,235 | 29,018,565 | 15,105,956 | 44,124,521 | 30,665,722 | 15,937,569 | 46,603,291 |
| 2036 | 27,939,612 | 14,468,332 | 42,407,944 | 29,642,705 | 15,321,970 | 44,964,675 | 31,344,248 | 16,175,792 | 47,520,040 |
| 2037 | 28,182,176 | 14,668,887 | 42,851,064 | 29,918,025 | 15,543,033 | 45,461,059 | 31,653,317 | 16,418,514 | 48,071,831 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.70% | 0.62% | 0.68% | 1.31% | 1.17% | 1.26% | 1.90% | 1.68% | 1.83% |
| 2020 | 1.38% | -0.14% | 0.85% | 1.86% | 0.31% | 1.32% | 2.31% | 0.74% | 1.77% |
| 2021 | 0.35% | 0.86% | 0.53% | 0.74% | 1.23% | 0.91% | 1.11% | 1.55% | 1.26% |
| 2022 | 1.03% | 0.93% | 1.00% | 1.37% | 1.24% | 1.32% | 1.67% | 1.54% | 1.63% |
| 2023 | 1.10% | 0.99% | 1.06% | 1.39% | 1.26% | 1.34% | 1.66% | 1.50% | 1.61% |
| 2024 | 1.77% | 1.03% | 1.51% | 2.02% | 1.28% | 1.77% | 2.26% | 1.51% | 2.00% |
| 2025 | 0.58% | 1.09% | 0.75% | 0.81% | 1.29% | 0.98% | 1.02% | 1.49% | 1.18% |
| 2026 | 1.23% | 1.11% | 1.19% | 1.43% | 1.33% | 1.39% | 1.62% | 1.50% | 1.58% |
| 2027 | 1.27% | 1.16% | 1.23% | 1.46% | 1.32% | 1.41% | 1.61% | 1.50% | 1.57% |
| 2028 | 1.90% | 1.19% | 1.65% | 2.07% | 1.34% | 1.82% | 2.21% | 1.49% | 1.96% |
| 2029 | 0.72% | 1.23% | 0.90% | 0.88% | 1.36% | 1.04% | 1.01% | 1.49% | 1.18% |
| 2030 | 1.39% | 2.06% | 1.62% | 1.52% | 2.15% | 1.73% | 1.63% | 2.23% | 1.84% |
| 2031 | 1.41% | 1.27% | 1.36% | 1.53% | 1.38% | 1.48% | 1.64% | 1.49% | 1.59% |
| 2032 | 2.01% | 1.28% | 1.76% | 2.11% | 1.40% | 1.87% | 2.22% | 1.50% | 1.97% |
| 2033 | 0.80% | 1.30% | 0.97% | 0.90% | 1.40% | 1.07% | 0.99% | 1.48% | 1.16% |
| 2034 | 1.43% | 1.33% | 1.40% | 1.52% | 1.42% | 1.48% | 1.60% | 1.49% | 1.56% |
| 2035 | 1.46% | 1.34% | 1.42% | 1.54% | 1.42% | 1.50% | 1.60% | 1.50% | 1.57% |
| 2036 | 2.08% | 1.36% | 1.83% | 2.15% | 1.43% | 1.90% | 2.21% | 1.49% | 1.97% |
| 2037 | 0.87% | 1.39% | 1.04% | 0.93% | 1.44% | 1.10% | 0.99% | 1.50% | 1.16% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 32,495 | 291,587 | 324,082 | 33,167 | 295,881 | 329,048 | 33,840 | 300,218 | 334,059 |
| 2019 | 32,698 | 295,652 | 328,350 | 33,554 | 299,828 | 333,382 | 34,410 | 304,049 | 338,458 |
| 2020 | 32,652 | 299,481 | 332,133 | 33,656 | 303,567 | 337,223 | 34,665 | 307,693 | 342,358 |
| 2021 | 32,935 | 303,724 | 336,658 | 34,069 | 307,749 | 341,818 | 35,203 | 311,820 | 347,023 |
| 2022 | 33,241 | 308,068 | 341,309 | 34,491 | 312,049 | 346,540 | 35,745 | 316,072 | 351,816 |
| 2023 | 33,569 | 312,529 | 346,098 | 34,926 | 316,477 | 351,402 | 36,282 | 320,471 | 356,753 |
| 2024 | 33,914 | 317,085 | 350,999 | 35,374 | 321,004 | 356,379 | 36,830 | 324,976 | 361,805 |
| 2025 | 34,284 | 321,769 | 356,052 | 35,831 | 325,678 | 361,509 | 37,380 | 329,634 | 367,014 |
| 2026 | 34,665 | 326,506 | 361,171 | 36,307 | 330,399 | 366,706 | 37,940 | 334,349 | 372,290 |
| 2027 | 35,065 | 331,416 | 366,481 | 36,786 | 335,311 | 372,098 | 38,508 | 339,256 | 377,764 |
| 2028 | 35,481 | 336,456 | 371,937 | 37,280 | 340,357 | 377,637 | 39,083 | 344,305 | 383,387 |
| 2029 | 35,916 | 341,555 | 377,471 | 37,787 | 345,469 | 383,256 | 39,666 | 349,426 | 389,092 |
| 2030 | 36,655 | 346,529 | 383,184 | 38,600 | 350,457 | 389,057 | 40,550 | 354,431 | 394,981 |
| 2031 | 37,119 | 351,869 | 388,988 | 39,134 | 355,816 | 394,950 | 41,153 | 359,811 | 400,964 |
| 2032 | 37,594 | 357,331 | 394,925 | 39,681 | 361,296 | 400,978 | 41,768 | 365,315 | 407,083 |
| 2033 | 38,083 | 363,500 | 401,584 | 40,238 | 367,500 | 407,738 | 42,388 | 371,559 | 413,947 |
| 2034 | 38,590 | 369,188 | 407,778 | 40,808 | 373,220 | 414,027 | 43,020 | 377,312 | 420,332 |
| 2035 | 39,108 | 375,009 | 414,117 | 41,386 | 379,078 | 420,464 | 43,665 | 383,202 | 426,866 |
| 2036 | 39,639 | 380,969 | 420,609 | 41,978 | 385,077 | 427,055 | 44,317 | 389,241 | 433,558 |
| 2037 | 40,189 | 386,956 | 427,145 | 42,584 | 391,108 | 433,691 | 44,982 | 395,313 | 440,295 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.62% | 1.39% | 1.32% | 1.17% | 1.33% | 1.32% | 1.68% | 1.28% | 1.32% |
| 2020 | -0.14% | 1.29% | 1.15% | 0.31% | 1.25% | 1.15% | 0.74% | 1.20% | 1.15% |
| 2021 | 0.86% | 1.42% | 1.36% | 1.23% | 1.38% | 1.36% | 1.55% | 1.34% | 1.36% |
| 2022 | 0.93% | 1.43% | 1.38% | 1.24% | 1.40% | 1.38% | 1.54% | 1.36% | 1.38% |
| 2023 | 0.99% | 1.45% | 1.40% | 1.26% | 1.42% | 1.40% | 1.50% | 1.39% | 1.40% |
| 2024 | 1.03% | 1.46% | 1.42% | 1.28% | 1.43% | 1.42% | 1.51% | 1.41% | 1.42% |
| 2025 | 1.09% | 1.48% | 1.44% | 1.29% | 1.46% | 1.44% | 1.49% | 1.43% | 1.44% |
| 2026 | 1.11% | 1.47% | 1.44% | 1.33% | 1.45% | 1.44% | 1.50% | 1.43% | 1.44% |
| 2027 | 1.16% | 1.50% | 1.47% | 1.32% | 1.49% | 1.47% | 1.50% | 1.47% | 1.47% |
| 2028 | 1.19% | 1.52% | 1.49% | 1.34% | 1.50% | 1.49% | 1.49% | 1.49% | 1.49% |
| 2029 | 1.23% | 1.52% | 1.49% | 1.36% | 1.50% | 1.49% | 1.49% | 1.49% | 1.49% |
| 2030 | 2.06% | 1.46% | 1.51% | 2.15% | 1.44% | 1.51% | 2.23% | 1.43% | 1.51% |
| 2031 | 1.27% | 1.54% | 1.51% | 1.38% | 1.53% | 1.51% | 1.49% | 1.52% | 1.51% |
| 2032 | 1.28% | 1.55% | 1.53% | 1.40% | 1.54% | 1.53% | 1.50% | 1.53% | 1.53% |
| 2033 | 1.30% | 1.73% | 1.69% | 1.40% | 1.72% | 1.69% | 1.48% | 1.71% | 1.69% |
| 2034 | 1.33% | 1.56% | 1.54% | 1.42% | 1.56% | 1.54% | 1.49% | 1.55% | 1.54% |
| 2035 | 1.34% | 1.58% | 1.55% | 1.42% | 1.57% | 1.55% | 1.50% | 1.56% | 1.55% |
| 2036 | 1.36% | 1.59% | 1.57% | 1.43% | 1.58% | 1.57% | 1.49% | 1.58% | 1.57% |
| 2037 | 1.39% | 1.57% | 1.55% | 1.44% | 1.57% | 1.55% | 1.50% | 1.56% | 1.55% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 21,263,426 | 12,913,405 | 34,176,831 | 21,638,788 | 13,233,092 | 34,871,880 | 22,014,113 | 13,552,127 | 35,566,240 |
| 2019 | 21,438,521 | 12,969,485 | 34,408,005 | 21,930,575 | 13,380,500 | 35,311,075 | 22,422,724 | 13,792,646 | 36,215,369 |
| 2020 | 21,732,189 | 12,969,509 | 34,701,698 | 22,320,591 | 13,457,778 | 35,778,369 | 22,909,610 | 13,946,330 | 36,855,940 |
| 2021 | 21,866,011 | 13,019,450 | 34,885,461 | 22,533,580 | 13,569,778 | 36,103,358 | 23,200,812 | 14,120,204 | 37,321,016 |
| 2022 | 22,104,339 | 13,128,528 | 35,232,868 | 22,843,697 | 13,737,231 | 36,580,927 | 23,583,258 | 14,345,282 | 37,928,540 |
| 2023 | 22,356,173 | 13,250,131 | 35,606,304 | 23,161,499 | 13,910,813 | 37,072,312 | 23,966,721 | 14,571,532 | 38,538,253 |
| 2024 | 22,714,656 | 13,430,469 | 36,145,125 | 23,584,051 | 14,142,989 | 37,727,041 | 24,453,660 | 14,856,188 | 39,309,847 |
| 2025 | 22,895,036 | 13,522,343 | 36,417,379 | 23,817,871 | 14,277,720 | 38,095,591 | 24,740,752 | 15,033,300 | 39,774,051 |
| 2026 | 23,179,556 | 13,671,410 | 36,850,966 | 24,155,729 | 14,470,759 | 38,626,487 | 25,132,113 | 15,270,850 | 40,402,962 |
| 2027 | 23,473,392 | 13,831,644 | 37,305,036 | 24,500,295 | 14,671,253 | 39,171,548 | 25,527,314 | 15,510,496 | 41,037,809 |
| 2028 | 23,872,778 | 14,049,114 | 37,921,892 | 24,952,307 | 14,931,253 | 39,883,560 | 26,032,041 | 15,811,972 | 41,844,013 |
| 2029 | 24,088,324 | 14,173,096 | 38,261,420 | 25,209,950 | 15,089,803 | 40,299,754 | 26,331,353 | 16,005,365 | 42,336,718 |
| 2030 | 24,408,992 | 14,472,098 | 38,881,089 | 25,574,832 | 15,423,526 | 40,998,358 | 26,740,779 | 16,373,978 | 43,114,757 |
| 2031 | 24,738,058 | 14,672,950 | 39,411,007 | 25,946,634 | 15,659,190 | 41,605,825 | 27,155,097 | 16,644,839 | 43,799,937 |
| 2032 | 25,179,029 | 14,926,349 | 40,105,378 | 26,434,176 | 15,949,186 | 42,383,362 | 27,688,960 | 16,973,341 | 44,662,301 |
| 2033 | 25,419,450 | 15,076,218 | 40,495,668 | 26,709,333 | 16,128,310 | 42,837,643 | 27,999,102 | 17,180,037 | 45,179,138 |
| 2034 | 25,772,711 | 15,288,678 | 41,061,389 | 27,101,199 | 16,372,278 | 43,473,476 | 28,429,699 | 17,454,587 | 45,884,287 |
| 2035 | 26,134,811 | 15,509,424 | 41,644,235 | 27,500,840 | 16,623,681 | 44,124,521 | 28,867,098 | 17,736,193 | 46,603,291 |
| 2036 | 26,612,889 | 15,795,055 | 42,407,944 | 28,021,513 | 16,943,162 | 44,964,675 | 29,430,295 | 18,089,745 | 47,520,040 |
| 2037 | 26,879,180 | 15,971,884 | 42,851,064 | 28,317,866 | 17,143,193 | 45,461,059 | 29,756,472 | 18,315,359 | 48,071,831 |

Annual Change

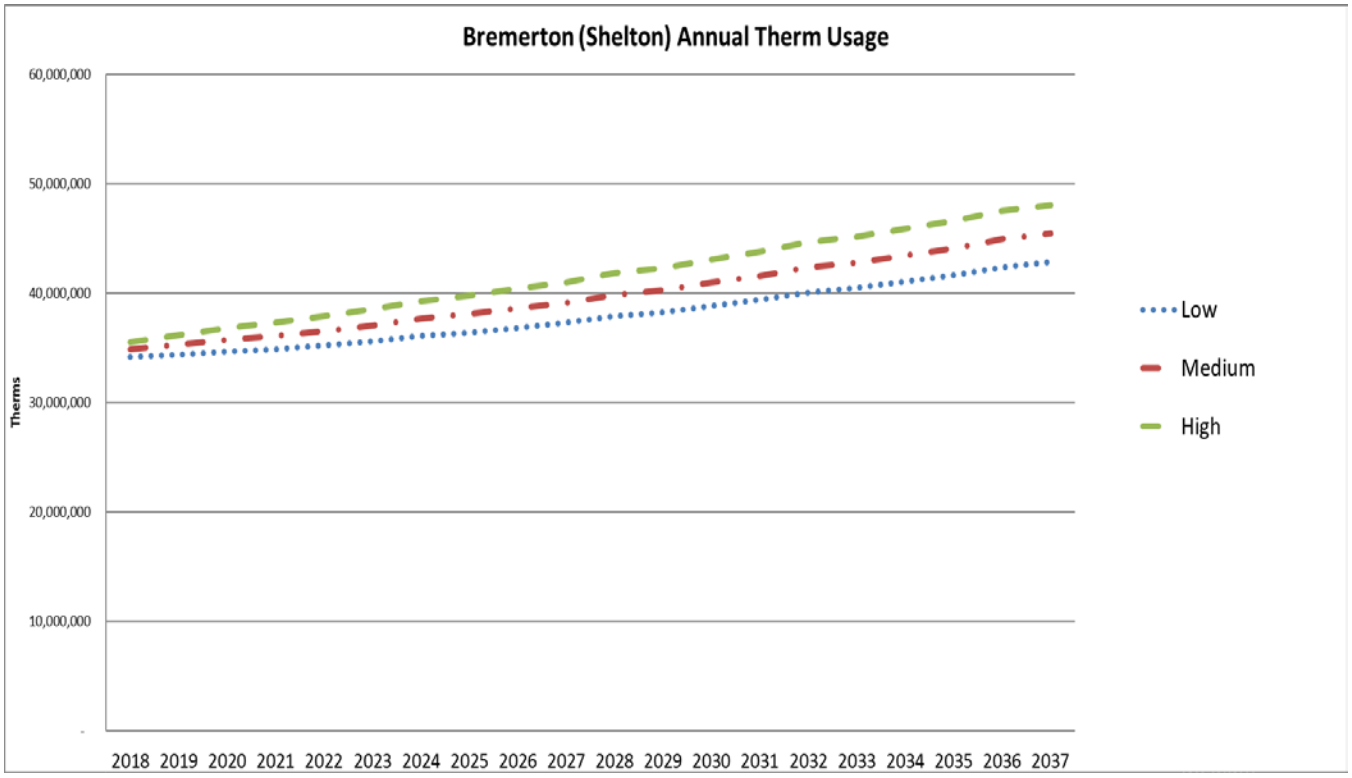
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.82% | 0.43% | 0.68% | 1.35% | 1.11% | 1.26% | 1.86% | 1.77% | 1.83% |
| 2020 | 1.37% | 0.00% | 0.85% | 1.78% | 0.58% | 1.32% | 2.17% | 1.11% | 1.77% |
| 2021 | 0.62% | 0.39% | 0.53% | 0.95% | 0.83% | 0.91% | 1.27% | 1.25% | 1.26% |
| 2022 | 1.09% | 0.84% | 1.00% | 1.38% | 1.23% | 1.32% | 1.65% | 1.59% | 1.63% |
| 2023 | 1.14% | 0.93% | 1.06% | 1.39% | 1.26% | 1.34% | 1.63% | 1.58% | 1.61% |
| 2024 | 1.60% | 1.36% | 1.51% | 1.82% | 1.67% | 1.77% | 2.03% | 1.95% | 2.00% |
| 2025 | 0.79% | 0.68% | 0.75% | 0.99% | 0.95% | 0.98% | 1.17% | 1.19% | 1.18% |
| 2026 | 1.24% | 1.10% | 1.19% | 1.42% | 1.35% | 1.39% | 1.58% | 1.58% | 1.58% |
| 2027 | 1.27% | 1.17% | 1.23% | 1.43% | 1.39% | 1.41% | 1.57% | 1.57% | 1.57% |
| 2028 | 1.70% | 1.57% | 1.65% | 1.84% | 1.77% | 1.82% | 1.98% | 1.94% | 1.96% |
| 2029 | 0.90% | 0.88% | 0.90% | 1.03% | 1.06% | 1.04% | 1.15% | 1.22% | 1.18% |
| 2030 | 1.33% | 2.11% | 1.62% | 1.45% | 2.21% | 1.73% | 1.55% | 2.30% | 1.84% |
| 2031 | 1.35% | 1.39% | 1.36% | 1.45% | 1.53% | 1.48% | 1.55% | 1.65% | 1.59% |
| 2032 | 1.78% | 1.73% | 1.76% | 1.88% | 1.85% | 1.87% | 1.97% | 1.97% | 1.97% |
| 2033 | 0.95% | 1.00% | 0.97% | 1.04% | 1.12% | 1.07% | 1.12% | 1.22% | 1.16% |
| 2034 | 1.39% | 1.41% | 1.40% | 1.47% | 1.51% | 1.48% | 1.54% | 1.60% | 1.56% |
| 2035 | 1.40% | 1.44% | 1.42% | 1.47% | 1.54% | 1.50% | 1.54% | 1.61% | 1.57% |
| 2036 | 1.83% | 1.84% | 1.83% | 1.89% | 1.92% | 1.90% | 1.95% | 1.99% | 1.97% |
| 2037 | 1.00% | 1.12% | 1.04% | 1.06% | 1.18% | 1.10% | 1.11% | 1.25% | 1.16% |

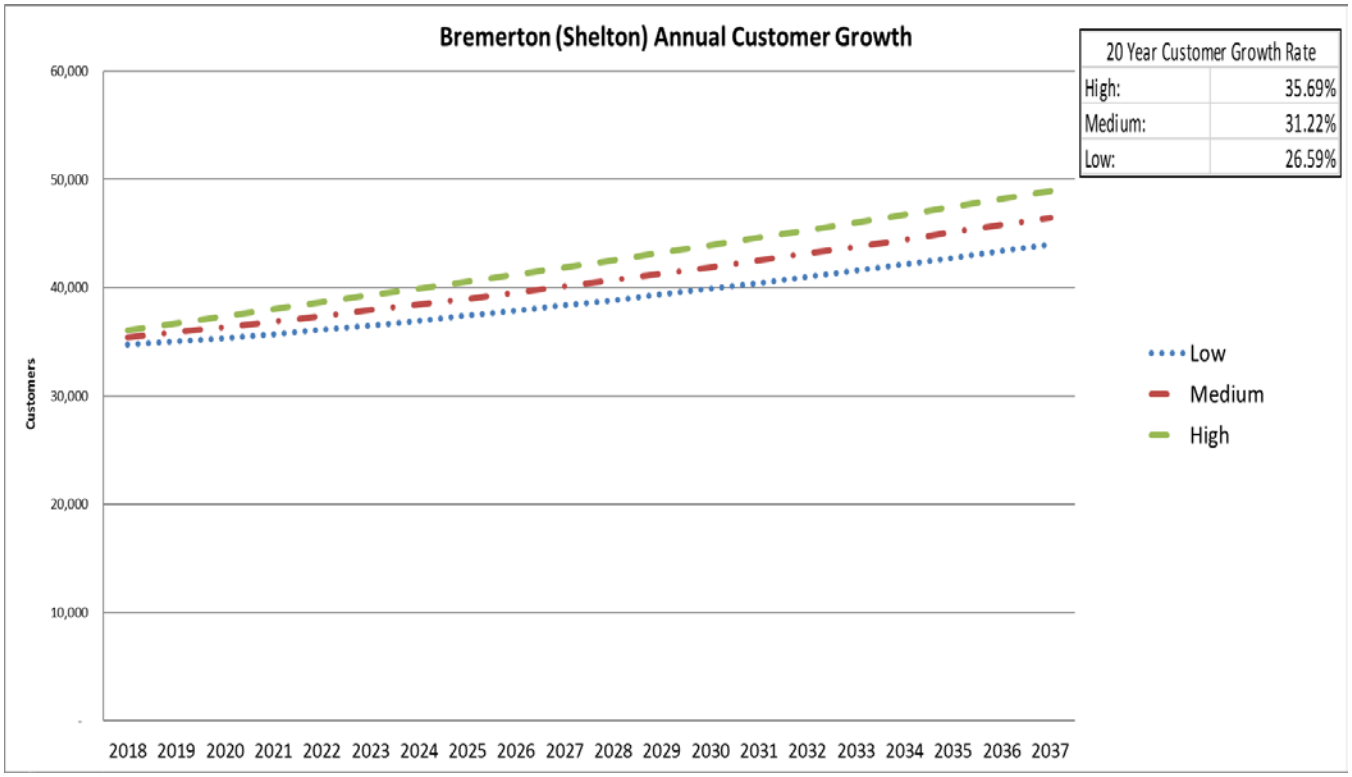
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 31,804 | 2,970 | 34,775 | 32,374 | 3,057 | 35,431 | 32,943 | 3,143 | 36,087 |
| 2019 | 32,069 | 2,986 | 35,054 | 32,811 | 3,097 | 35,908 | 33,553 | 3,208 | 36,761 |
| 2020 | 32,376 | 3,006 | 35,382 | 33,258 | 3,137 | 36,395 | 34,141 | 3,268 | 37,409 |
| 2021 | 32,711 | 3,032 | 35,744 | 33,715 | 3,180 | 36,895 | 34,718 | 3,328 | 38,047 |
| 2022 | 33,071 | 3,062 | 36,132 | 34,181 | 3,225 | 37,407 | 35,293 | 3,389 | 38,682 |
| 2023 | 33,448 | 3,094 | 36,543 | 34,658 | 3,272 | 37,930 | 35,868 | 3,450 | 39,317 |
| 2024 | 33,844 | 3,129 | 36,974 | 35,144 | 3,320 | 38,465 | 36,445 | 3,511 | 39,956 |
| 2025 | 34,255 | 3,167 | 37,423 | 35,641 | 3,370 | 39,011 | 37,026 | 3,573 | 40,599 |
| 2026 | 34,682 | 3,208 | 37,890 | 36,147 | 3,422 | 39,569 | 37,612 | 3,637 | 41,249 |
| 2027 | 35,123 | 3,251 | 38,373 | 36,664 | 3,476 | 40,140 | 38,205 | 3,702 | 41,906 |
| 2028 | 35,577 | 3,295 | 38,873 | 37,190 | 3,531 | 40,722 | 38,804 | 3,767 | 42,571 |
| 2029 | 36,045 | 3,342 | 39,387 | 37,727 | 3,588 | 41,316 | 39,410 | 3,834 | 43,244 |
| 2030 | 36,526 | 3,393 | 39,918 | 38,274 | 3,648 | 41,922 | 40,023 | 3,903 | 43,927 |
| 2031 | 37,019 | 3,444 | 40,463 | 38,832 | 3,708 | 42,540 | 40,644 | 3,973 | 44,618 |
| 2032 | 37,525 | 3,497 | 41,022 | 39,399 | 3,771 | 43,170 | 41,274 | 4,044 | 45,318 |
| 2033 | 38,043 | 3,552 | 41,595 | 39,977 | 3,835 | 43,812 | 41,911 | 4,117 | 46,028 |
| 2034 | 38,572 | 3,609 | 42,181 | 40,565 | 3,900 | 44,465 | 42,557 | 4,191 | 46,747 |
| 2035 | 39,113 | 3,668 | 42,782 | 41,162 | 3,967 | 45,129 | 43,211 | 4,266 | 47,477 |
| 2036 | 39,666 | 3,729 | 43,395 | 41,769 | 4,036 | 45,805 | 43,873 | 4,343 | 48,216 |
| 2037 | 40,229 | 3,792 | 44,022 | 42,386 | 4,107 | 46,493 | 44,544 | 4,421 | 48,965 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.83% | 0.52% | 0.80% | 1.35% | 1.30% | 1.35% | 1.85% | 2.05% | 1.87% |
| 2020 | 0.96% | 0.68% | 0.93% | 1.36% | 1.30% | 1.36% | 1.75% | 1.88% | 1.76% |
| 2021 | 1.04% | 0.87% | 1.02% | 1.37% | 1.38% | 1.38% | 1.69% | 1.85% | 1.70% |
| 2022 | 1.10% | 0.98% | 1.09% | 1.38% | 1.41% | 1.39% | 1.65% | 1.82% | 1.67% |
| 2023 | 1.14% | 1.07% | 1.14% | 1.39% | 1.45% | 1.40% | 1.63% | 1.79% | 1.64% |
| 2024 | 1.18% | 1.13% | 1.18% | 1.40% | 1.47% | 1.41% | 1.61% | 1.79% | 1.62% |
| 2025 | 1.22% | 1.21% | 1.22% | 1.41% | 1.51% | 1.42% | 1.59% | 1.77% | 1.61% |
| 2026 | 1.25% | 1.27% | 1.25% | 1.42% | 1.54% | 1.43% | 1.58% | 1.78% | 1.60% |
| 2027 | 1.27% | 1.34% | 1.28% | 1.43% | 1.57% | 1.44% | 1.57% | 1.77% | 1.59% |
| 2028 | 1.29% | 1.38% | 1.30% | 1.44% | 1.59% | 1.45% | 1.57% | 1.77% | 1.59% |
| 2029 | 1.31% | 1.43% | 1.32% | 1.44% | 1.62% | 1.46% | 1.56% | 1.78% | 1.58% |
| 2030 | 1.33% | 1.50% | 1.35% | 1.45% | 1.66% | 1.47% | 1.56% | 1.80% | 1.58% |
| 2031 | 1.35% | 1.51% | 1.36% | 1.46% | 1.66% | 1.47% | 1.55% | 1.79% | 1.57% |
| 2032 | 1.37% | 1.55% | 1.38% | 1.46% | 1.68% | 1.48% | 1.55% | 1.80% | 1.57% |
| 2033 | 1.38% | 1.58% | 1.40% | 1.47% | 1.70% | 1.49% | 1.54% | 1.79% | 1.57% |
| 2034 | 1.39% | 1.60% | 1.41% | 1.47% | 1.71% | 1.49% | 1.54% | 1.79% | 1.56% |
| 2035 | 1.40% | 1.64% | 1.42% | 1.47% | 1.72% | 1.49% | 1.54% | 1.80% | 1.56% |
| 2036 | 1.41% | 1.66% | 1.43% | 1.48% | 1.74% | 1.50% | 1.53% | 1.80% | 1.56% |
| 2037 | 1.42% | 1.69% | 1.44% | 1.48% | 1.75% | 1.50% | 1.53% | 1.81% | 1.55% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.69% |
| Medium: | 31.22% |
| Low: | 26.59% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

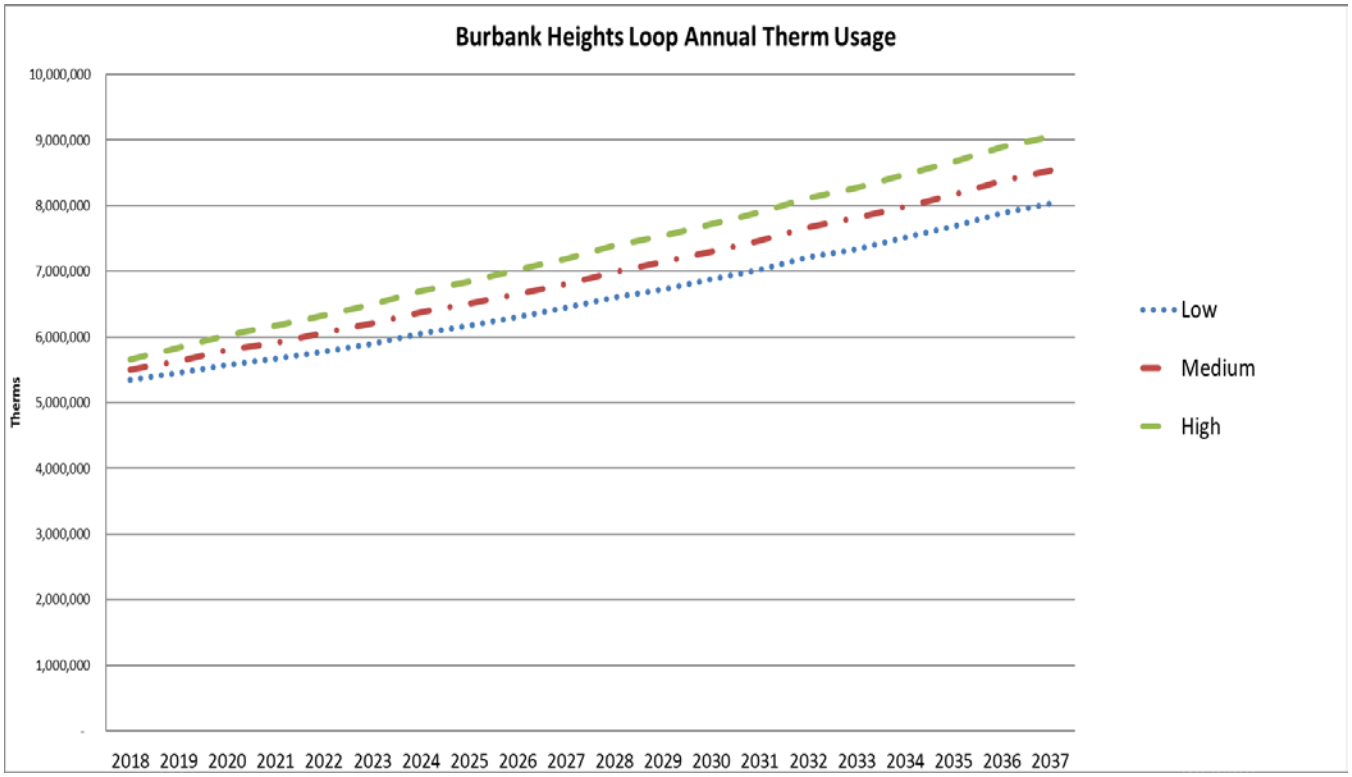
## Burbank Heights Loop

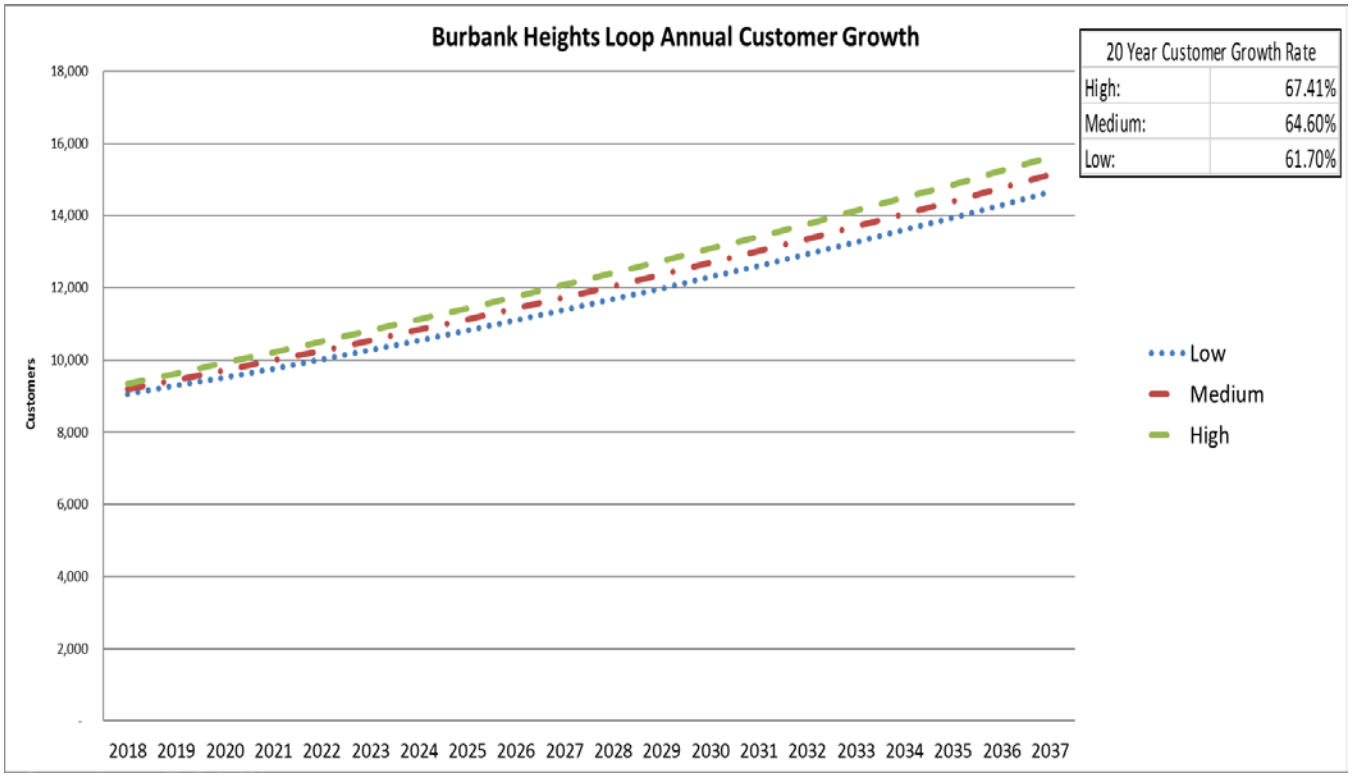
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,466,460 | 1,882,106 | 5,348,566 | 3,553,505 | 1,956,220 | 5,509,725 | 3,640,764 | 2,017,993 | 5,658,756 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,530,226 | 1,925,451 | 5,455,677 | 3,640,667 | 2,000,320 | 5,640,987 | 3,754,635 | 2,088,409 | 5,843,044 | 1.84% | 2.30% | 2.00% | 2.45% | 2.25% | 2.38% | 3.13% | 3.49% | 3.26% |
| 2020 | 3,621,969 | 1,959,650 | 5,581,619 | 3,755,179 | 2,046,138 | 5,801,317 | 3,889,262 | 2,144,847 | 6,034,110 | 2.60% | 1.78% | 2.31% | 3.15% | 2.29% | 2.84% | 3.59% | 2.70% | 3.27% |
| 2021 | 3,671,709 | 1,995,925 | 5,667,634 | 3,820,766 | 2,092,674 | 5,913,441 | 3,972,769 | 2,201,406 | 6,174,175 | 1.37% | 1.85% | 1.54% | 1.75% | 2.27% | 1.93% | 2.15% | 2.64% | 2.32% |
| 2022 | 3,747,434 | 2,034,157 | 5,781,592 | 3,914,789 | 2,151,912 | 6,066,701 | 4,078,097 | 2,257,685 | 6,335,782 | 2.06% | 1.92% | 2.01% | 2.46% | 2.83% | 2.59% | 2.65% | 2.56% | 2.62% |
| 2023 | 3,827,821 | 2,074,227 | 5,902,048 | 4,009,412 | 2,199,768 | 6,209,179 | 4,187,618 | 2,313,207 | 6,500,825 | 2.15% | 1.97% | 2.08% | 2.42% | 2.22% | 2.35% | 2.69% | 2.46% | 2.60% |
| 2024 | 3,937,685 | 2,116,013 | 6,053,699 | 4,133,738 | 2,249,340 | 6,383,079 | 4,327,047 | 2,370,445 | 6,697,493 | 2.87% | 2.01% | 2.57% | 3.10% | 2.25% | 2.80% | 3.33% | 2.47% | 3.03% |
| 2025 | 4,001,440 | 2,171,739 | 6,173,179 | 4,206,578 | 2,299,512 | 6,506,090 | 4,413,204 | 2,439,267 | 6,852,471 | 1.62% | 2.63% | 1.97% | 1.76% | 2.23% | 1.93% | 1.99% | 2.90% | 2.31% |
| 2026 | 4,090,411 | 2,217,200 | 6,307,611 | 4,306,498 | 2,350,403 | 6,656,902 | 4,524,284 | 2,496,707 | 7,020,991 | 2.22% | 2.09% | 2.18% | 2.38% | 2.21% | 2.32% | 2.52% | 2.35% | 2.46% |
| 2027 | 4,182,251 | 2,263,380 | 6,445,631 | 4,407,775 | 2,402,892 | 6,810,667 | 4,637,640 | 2,555,744 | 7,193,383 | 2.25% | 2.08% | 2.19% | 2.35% | 2.23% | 2.31% | 2.51% | 2.36% | 2.46% |
| 2028 | 4,299,913 | 2,310,279 | 6,610,192 | 4,538,530 | 2,455,222 | 6,993,751 | 4,780,052 | 2,614,382 | 7,394,434 | 2.81% | 2.07% | 2.55% | 2.97% | 2.18% | 2.69% | 3.07% | 2.29% | 2.79% |
| 2029 | 4,372,306 | 2,358,138 | 6,730,443 | 4,623,039 | 2,522,369 | 7,145,407 | 4,868,991 | 2,673,740 | 7,542,730 | 1.68% | 2.07% | 1.82% | 1.86% | 2.73% | 2.17% | 1.86% | 2.27% | 2.01% |
| 2030 | 4,470,784 | 2,407,594 | 6,878,378 | 4,730,904 | 2,577,135 | 7,308,039 | 4,986,327 | 2,734,695 | 7,721,021 | 2.25% | 2.10% | 2.20% | 2.33% | 2.17% | 2.28% | 2.41% | 2.28% | 2.36% |
| 2031 | 4,571,116 | 2,458,767 | 7,029,882 | 4,840,261 | 2,633,619 | 7,473,880 | 5,105,944 | 2,796,369 | 7,902,313 | 2.24% | 2.13% | 2.20% | 2.31% | 2.19% | 2.27% | 2.40% | 2.26% | 2.35% |
| 2032 | 4,705,356 | 2,511,897 | 7,217,252 | 4,984,532 | 2,690,821 | 7,675,353 | 5,260,814 | 2,857,644 | 8,118,458 | 2.94% | 2.16% | 2.67% | 2.98% | 2.17% | 2.70% | 3.03% | 2.19% | 2.74% |
| 2033 | 4,778,730 | 2,564,628 | 7,343,358 | 5,064,733 | 2,749,742 | 7,814,474 | 5,347,100 | 2,921,635 | 8,268,736 | 1.56% | 2.10% | 1.75% | 1.61% | 2.19% | 1.81% | 1.64% | 2.24% | 1.85% |
| 2034 | 4,888,929 | 2,631,298 | 7,520,228 | 5,181,253 | 2,808,383 | 7,989,636 | 5,476,479 | 2,997,569 | 8,474,048 | 2.31% | 2.60% | 2.41% | 2.30% | 2.13% | 2.24% | 2.42% | 2.60% | 2.48% |
| 2035 | 5,000,372 | 2,686,586 | 7,686,959 | 5,300,825 | 2,867,744 | 8,168,568 | 5,604,639 | 3,061,881 | 8,666,520 | 2.28% | 2.10% | 2.22% | 2.31% | 2.11% | 2.24% | 2.34% | 2.15% | 2.27% |
| 2036 | 5,147,635 | 2,743,591 | 7,891,226 | 5,456,205 | 2,929,820 | 8,386,025 | 5,769,282 | 3,128,029 | 8,897,311 | 2.95% | 2.12% | 2.66% | 2.93% | 2.16% | 2.66% | 2.94% | 2.16% | 2.66% |
| 2037 | 5,228,338 | 2,801,436 | 8,029,774 | 5,544,184 | 2,991,617 | 8,535,800 | 5,863,291 | 3,193,779 | 9,057,071 | 1.57% | 2.11% | 1.76% | 1.61% | 2.11% | 1.79% | 1.63% | 2.10% | 1.80% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 5,156 | 60,131 | 65,288 | 5,360 | 60,929 | 66,288 | 5,529 | 61,769 | 67,298 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,275 | 61,610 | 66,885 | 5,480 | 62,430 | 67,910 | 5,722 | 63,223 | 68,944 | 2.30% | 2.46% | 2.45% | 2.25% | 2.46% | 2.45% | 3.49% | 2.35% | 2.45% |
| 2020 | 5,369 | 63,136 | 68,505 | 5,606 | 63,949 | 69,555 | 5,876 | 64,738 | 70,614 | 1.78% | 2.48% | 2.42% | 2.29% | 2.43% | 2.42% | 2.70% | 2.40% | 2.42% |
| 2021 | 5,468 | 64,679 | 70,147 | 5,733 | 65,489 | 71,222 | 6,031 | 66,276 | 72,307 | 1.85% | 2.44% | 2.40% | 2.27% | 2.41% | 2.40% | 2.64% | 2.38% | 2.40% |
| 2022 | 5,573 | 66,357 | 71,930 | 5,896 | 67,137 | 73,033 | 6,185 | 67,959 | 74,145 | 1.92% | 2.59% | 2.54% | 2.83% | 2.52% | 2.54% | 2.56% | 2.54% | 2.54% |
| 2023 | 5,683 | 67,944 | 73,627 | 6,027 | 68,728 | 74,755 | 6,338 | 69,556 | 75,893 | 1.97% | 2.39% | 2.36% | 2.22% | 2.37% | 2.36% | 2.46% | 2.35% | 2.36% |
| 2024 | 5,797 | 69,583 | 75,381 | 6,163 | 70,373 | 76,536 | 6,494 | 71,207 | 77,701 | 2.01% | 2.41% | 2.38% | 2.25% | 2.39% | 2.38% | 2.47% | 2.37% | 2.38% |
| 2025 | 5,950 | 71,207 | 77,157 | 6,300 | 72,040 | 78,340 | 6,683 | 72,850 | 79,533 | 2.63% | 2.33% | 2.36% | 2.23% | 2.37% | 2.36% | 2.90% | 2.31% | 2.36% |
| 2026 | 6,075 | 72,886 | 78,961 | 6,439 | 73,732 | 80,171 | 6,840 | 74,551 | 81,392 | 2.09% | 2.36% | 2.34% | 2.21% | 2.35% | 2.34% | 2.35% | 2.34% | 2.34% |
| 2027 | 6,201 | 74,616 | 80,817 | 6,583 | 75,473 | 82,056 | 7,002 | 76,304 | 83,306 | 2.08% | 2.37% | 2.35% | 2.23% | 2.36% | 2.35% | 2.36% | 2.35% | 2.35% |
| 2028 | 6,330 | 76,407 | 82,736 | 6,727 | 77,278 | 84,004 | 7,163 | 78,121 | 85,283 | 2.07% | 2.40% | 2.37% | 2.18% | 2.39% | 2.37% | 2.29% | 2.38% | 2.37% |
| 2029 | 6,461 | 78,274 | 84,734 | 6,911 | 79,123 | 86,033 | 7,325 | 80,018 | 87,343 | 2.07% | 2.44% | 2.42% | 2.73% | 2.39% | 2.42% | 2.27% | 2.43% | 2.42% |
| 2030 | 6,596 | 80,111 | 86,707 | 7,061 | 80,976 | 88,036 | 7,492 | 81,884 | 89,377 | 2.10% | 2.35% | 2.33% | 2.17% | 2.34% | 2.33% | 2.28% | 2.33% | 2.33% |
| 2031 | 6,736 | 81,940 | 88,677 | 7,215 | 82,820 | 90,036 | 7,661 | 83,745 | 91,407 | 2.13% | 2.28% | 2.27% | 2.19% | 2.28% | 2.27% | 2.26% | 2.27% | 2.27% |
| 2032 | 6,882 | 83,852 | 90,734 | 7,372 | 84,753 | 92,125 | 7,829 | 85,698 | 93,527 | 2.16% | 2.33% | 2.32% | 2.17% | 2.33% | 2.32% | 2.19% | 2.33% | 2.32% |
| 2033 | 7,026 | 85,762 | 92,788 | 7,534 | 86,676 | 94,210 | 8,004 | 87,640 | 95,645 | 2.10% | 2.28% | 2.26% | 2.19% | 2.27% | 2.26% | 2.24% | 2.27% | 2.26% |
| 2034 | 7,209 | 87,660 | 94,869 | 7,694 | 88,629 | 96,323 | 8,213 | 89,577 | 97,789 | 2.60% | 2.21% | 2.24% | 2.13% | 2.25% | 2.24% | 2.60% | 2.21% | 2.24% |
| 2035 | 7,361 | 89,647 | 97,007 | 7,857 | 90,637 | 98,494 | 8,389 | 91,605 | 99,994 | 2.10% | 2.27% | 2.25% | 2.11% | 2.27% | 2.25% | 2.15% | 2.26% | 2.25% |
| 2036 | 7,517 | 91,687 | 99,203 | 8,027 | 92,697 | 100,724 | 8,570 | 93,688 | 102,258 | 2.12% | 2.28% | 2.26% | 2.16% | 2.27% | 2.26% | 2.16% | 2.27% | 2.26% |
| 2037 | 7,675 | 93,721 | 101,396 | 8,196 | 94,754 | 102,950 | 8,750 | 95,768 | 104,518 | 2.11% | 2.22% | 2.21% | 2.11% | 2.22% | 2.21% | 2.10% | 2.22% | 2.21% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,097,191 | 2,251,376 | 5,348,566 | 3,132,516 | 2,377,209 | 5,509,725 | 3,167,932 | 2,490,824 | 5,658,756 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,178,354 | 2,277,323 | 5,455,677 | 3,223,737 | 2,417,250 | 5,640,987 | 3,269,219 | 2,573,825 | 5,843,044 | 2.62% | 1.15% | 2.00% | 2.91% | 1.68% | 2.38% | 3.20% | 3.33% | 3.26% |
| 2020 | 3,277,286 | 2,304,333 | 5,581,619 | 3,331,379 | 2,469,938 | 5,801,317 | 3,385,184 | 2,648,926 | 6,034,110 | 3.11% | 1.19% | 2.31% | 3.34% | 2.18% | 2.84% | 3.55% | 2.92% | 3.27% |
| 2021 | 3,351,506 | 2,316,128 | 5,667,634 | 3,412,342 | 2,501,099 | 5,913,441 | 3,473,137 | 2,701,038 | 6,174,175 | 2.26% | 0.51% | 1.54% | 2.43% | 1.26% | 1.93% | 2.60% | 1.97% | 2.32% |
| 2022 | 3,441,696 | 2,339,895 | 5,781,592 | 3,508,748 | 2,557,954 | 6,066,701 | 3,575,822 | 2,759,960 | 6,335,782 | 2.69% | 1.03% | 2.01% | 2.83% | 2.27% | 2.59% | 2.96% | 2.18% | 2.62% |
| 2023 | 3,535,296 | 2,366,752 | 5,902,048 | 3,608,224 | 2,600,955 | 6,209,179 | 3,681,123 | 2,819,702 | 6,500,825 | 2.72% | 1.15% | 2.08% | 2.84% | 1.68% | 2.35% | 2.94% | 2.16% | 2.60% |
| 2024 | 3,648,144 | 2,405,555 | 6,053,699 | 3,726,744 | 2,656,335 | 6,383,079 | 3,805,107 | 2,892,386 | 6,697,493 | 3.19% | 1.64% | 2.57% | 3.28% | 2.13% | 2.80% | 3.37% | 2.58% | 3.03% |
| 2025 | 3,731,186 | 2,441,993 | 6,173,179 | 3,814,393 | 2,691,698 | 6,506,090 | 3,897,743 | 2,954,729 | 6,852,471 | 2.28% | 1.51% | 1.97% | 2.35% | 1.33% | 1.93% | 2.43% | 2.16% | 2.31% |
| 2026 | 3,832,342 | 2,475,269 | 6,307,611 | 3,920,278 | 2,736,624 | 6,656,902 | 4,008,289 | 3,012,702 | 7,020,991 | 2.71% | 1.36% | 2.18% | 2.78% | 1.67% | 2.32% | 2.84% | 1.96% | 2.46% |
| 2027 | 3,936,018 | 2,509,613 | 6,445,631 | 4,028,411 | 2,782,256 | 6,810,667 | 4,120,963 | 3,072,421 | 7,193,383 | 2.71% | 1.39% | 2.19% | 2.76% | 1.67% | 2.31% | 2.81% | 1.98% | 2.46% |
| 2028 | 4,057,316 | 2,552,876 | 6,610,192 | 4,154,470 | 2,839,282 | 6,993,751 | 4,251,575 | 3,142,859 | 7,394,434 | 3.08% | 1.72% | 2.55% | 3.13% | 2.05% | 2.69% | 3.17% | 2.29% | 2.79% |
| 2029 | 4,150,383 | 2,580,060 | 6,730,443 | 4,251,306 | 2,894,101 | 7,145,407 | 4,352,201 | 3,190,529 | 7,542,730 | 2.29% | 1.06% | 1.82% | 2.33% | 1.93% | 2.17% | 2.37% | 1.52% | 2.01% |
| 2030 | 4,261,318 | 2,617,060 | 6,878,378 | 4,366,162 | 2,941,877 | 7,308,039 | 4,470,904 | 3,250,117 | 7,721,021 | 2.67% | 1.43% | 2.20% | 2.70% | 1.65% | 2.28% | 2.73% | 1.87% | 2.36% |
| 2031 | 4,374,596 | 2,655,286 | 7,029,882 | 4,483,245 | 2,990,635 | 7,473,880 | 4,591,585 | 3,310,728 | 7,902,313 | 2.66% | 1.46% | 2.20% | 2.68% | 1.66% | 2.27% | 2.70% | 1.86% | 2.35% |
| 2032 | 4,509,587 | 2,707,665 | 7,217,252 | 4,622,402 | 3,052,951 | 7,675,353 | 4,735,068 | 3,383,391 | 8,118,458 | 3.09% | 1.97% | 2.67% | 3.10% | 2.08% | 2.70% | 3.12% | 2.19% | 2.74% |
| 2033 | 4,607,025 | 2,736,333 | 7,343,358 | 4,723,017 | 3,091,457 | 7,814,474 | 4,838,613 | 3,430,122 | 8,268,736 | 2.16% | 1.06% | 1.75% | 2.18% | 1.26% | 1.81% | 2.19% | 1.38% | 1.85% |
| 2034 | 4,727,506 | 2,792,722 | 7,520,228 | 4,846,766 | 3,142,870 | 7,989,636 | 4,965,838 | 3,508,210 | 8,474,048 | 2.62% | 2.06% | 2.41% | 2.62% | 1.66% | 2.24% | 2.63% | 2.28% | 2.48% |
| 2035 | 4,851,329 | 2,835,630 | 7,686,959 | 4,974,112 | 3,194,457 | 8,168,568 | 5,096,586 | 3,569,933 | 8,666,520 | 2.62% | 1.54% | 2.22% | 2.63% | 1.64% | 2.24% | 2.63% | 1.76% | 2.27% |
| 2036 | 4,998,061 | 2,893,165 | 7,891,226 | 5,124,519 | 3,261,505 | 8,386,025 | 5,250,832 | 3,646,479 | 8,897,311 | 3.02% | 2.03% | 2.66% | 3.02% | 2.10% | 2.66% | 3.03% | 2.14% | 2.66% |
| 2037 | 5,104,112 | 2,925,662 | 8,029,774 | 5,233,156 | 3,302,644 | 8,535,800 | 5,362,050 | 3,695,021 | 9,057,071 | 2.12% | 1.12% | 1.76% | 2.12% | 1.26% | 1.79% | 2.12% | 1.33% | 1.80% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 8,246 | 818 | 9,064 | 8,341 | 856 | 9,197 | 8,436 | 894 | 9,331 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,463 | 823 | 9,286 | 8,584 | 871 | 9,455 | 8,706 | 921 | 9,627 | 2.63% | 0.64% | 2.45% | 2.92% | 1.76% | 2.81% | 3.20% | 2.97% | 3.18% |
| 2020 | 8,689 | 830 | 9,519 | 8,833 | 887 | 9,720 | 8,977 | 945 | 9,922 | 2.68% | 0.82% | 2.51% | 2.90% | 1.88% | 2.80% | 3.11% | 2.63% | 3.06% |
| 2021 | 8,925 | 838 | 9,762 | 9,087 | 903 | 9,990 | 9,250 | 969 | 10,218 | 2.71% | 0.97% | 2.56% | 2.88% | 1.76% | 2.77% | 3.04% | 2.52% | 2.99% |
| 2022 | 9,167 | 847 | 10,014 | 9,347 | 920 | 10,266 | 9,526 | 991 | 10,517 | 2.72% | 1.09% | 2.58% | 2.85% | 1.87% | 2.77% | 2.99% | 2.33% | 2.93% |
| 2023 | 9,417 | 857 | 10,274 | 9,612 | 936 | 10,548 | 9,807 | 1,014 | 10,821 | 2.73% | 1.19% | 2.60% | 2.84% | 1.77% | 2.74% | 2.95% | 2.27% | 2.88% |
| 2024 | 9,674 | 868 | 10,542 | 9,883 | 953 | 10,835 | 10,091 | 1,037 | 11,128 | 2.73% | 1.26% | 2.60% | 2.82% | 1.77% | 2.72% | 2.90% | 2.26% | 2.84% |
| 2025 | 9,937 | 880 | 10,818 | 10,159 | 970 | 11,129 | 10,382 | 1,060 | 11,441 | 2.72% | 1.46% | 2.62% | 2.80% | 1.84% | 2.71% | 2.88% | 2.23% | 2.82% |
| 2026 | 10,207 | 893 | 11,100 | 10,442 | 987 | 11,429 | 10,676 | 1,082 | 11,758 | 2.71% | 1.44% | 2.61% | 2.78% | 1.75% | 2.69% | 2.84% | 2.07% | 2.77% |
| 2027 | 10,483 | 906 | 11,389 | 10,730 | 1,004 | 11,734 | 10,977 | 1,105 | 12,081 | 2.71% | 1.44% | 2.61% | 2.76% | 1.76% | 2.67% | 2.81% | 2.10% | 2.75% |
| 2028 | 10,766 | 919 | 11,685 | 11,024 | 1,022 | 12,046 | 11,282 | 1,127 | 12,409 | 2.70% | 1.44% | 2.60% | 2.74% | 1.76% | 2.66% | 2.78% | 2.03% | 2.71% |
| 2029 | 11,055 | 933 | 11,988 | 11,324 | 1,042 | 12,366 | 11,593 | 1,149 | 12,742 | 2.69% | 1.50% | 2.59% | 2.72% | 1.92% | 2.65% | 2.76% | 1.96% | 2.69% |
| 2030 | 11,351 | 947 | 12,297 | 11,630 | 1,060 | 12,690 | 11,910 | 1,172 | 13,081 | 2.68% | 1.50% | 2.58% | 2.70% | 1.74% | 2.62% | 2.73% | 1.96% | 2.66% |
| 2031 | 11,653 | 961 | 12,614 | 11,942 | 1,078 | 13,021 | 12,232 | 1,195 | 13,426 | 2.66% | 1.52% | 2.57% | 2.68% | 1.74% | 2.60% | 2.70% | 1.97% | 2.64% |
| 2032 | 11,961 | 977 | 12,938 | 12,260 | 1,097 | 13,358 | 12,560 | 1,217 | 13,777 | 2.65% | 1.64% | 2.57% | 2.66% | 1.75% | 2.59% | 2.68% | 1.87% | 2.61% |
| 2033 | 12,276 | 992 | 13,268 | 12,585 | 1,117 | 13,702 | 12,893 | 1,240 | 14,133 | 2.63% | 1.56% | 2.55% | 2.65% | 1.79% | 2.58% | 2.66% | 1.90% | 2.59% |
| 2034 | 12,597 | 1,009 | 13,605 | 12,915 | 1,136 | 14,051 | 13,233 | 1,265 | 14,497 | 2.62% | 1.66% | 2.55% | 2.62% | 1.73% | 2.55% | 2.63% | 1.99% | 2.58% |
| 2035 | 12,924 | 1,024 | 13,948 | 13,251 | 1,156 | 14,407 | 13,578 | 1,288 | 14,866 | 2.60% | 1.58% | 2.52% | 2.60% | 1.70% | 2.53% | 2.61% | 1.82% | 2.54% |
| 2036 | 13,258 | 1,042 | 14,300 | 13,593 | 1,176 | 14,769 | 13,929 | 1,311 | 15,240 | 2.58% | 1.71% | 2.52% | 2.58% | 1.77% | 2.52% | 2.59% | 1.82% | 2.52% |
| 2037 | 13,598 | 1,059 | 14,656 | 13,942 | 1,196 | 15,138 | 14,285 | 1,335 | 15,620 | 2.56% | 1.59% | 2.49% | 2.56% | 1.74% | 2.50% | 2.56% | 1.82% | 2.50% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 67.41% |
| Medium: | 64.60% |
| Low: | 61.70% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

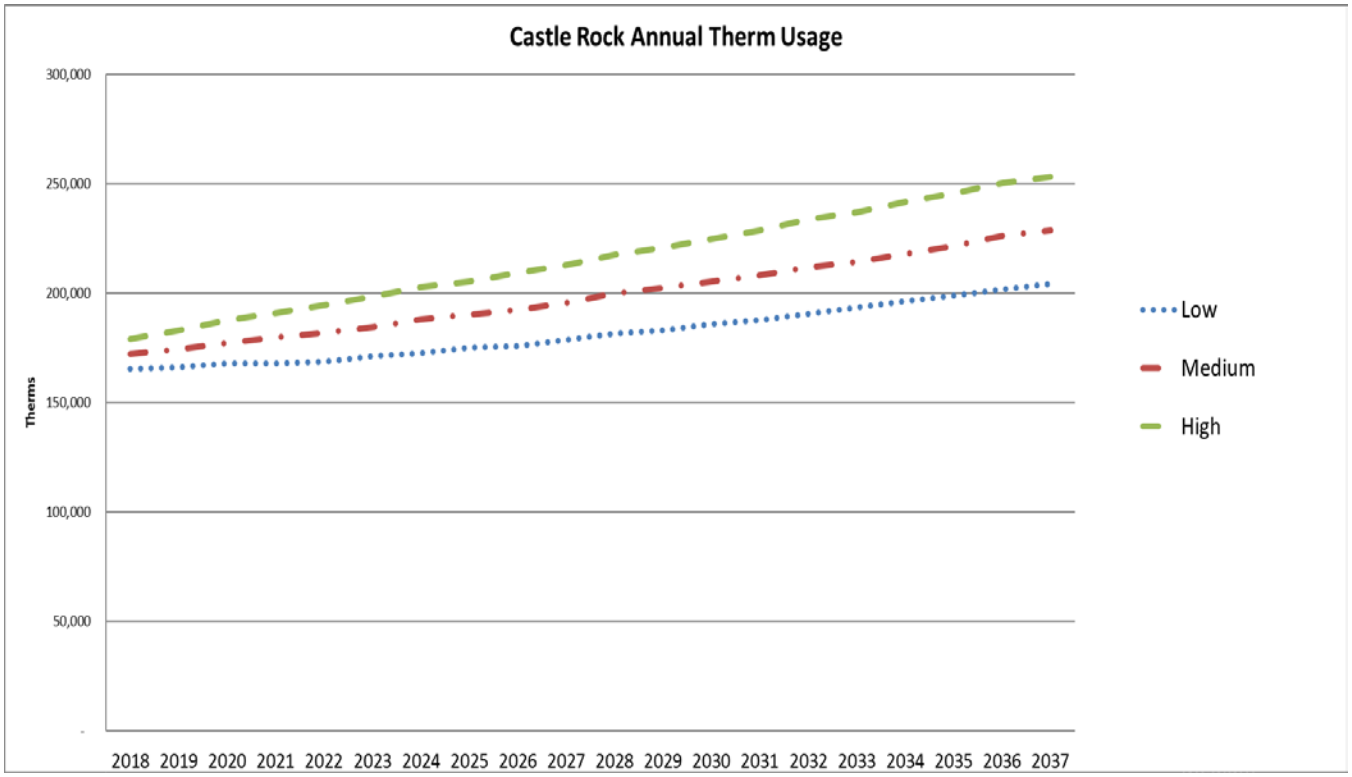
## Castle Rock

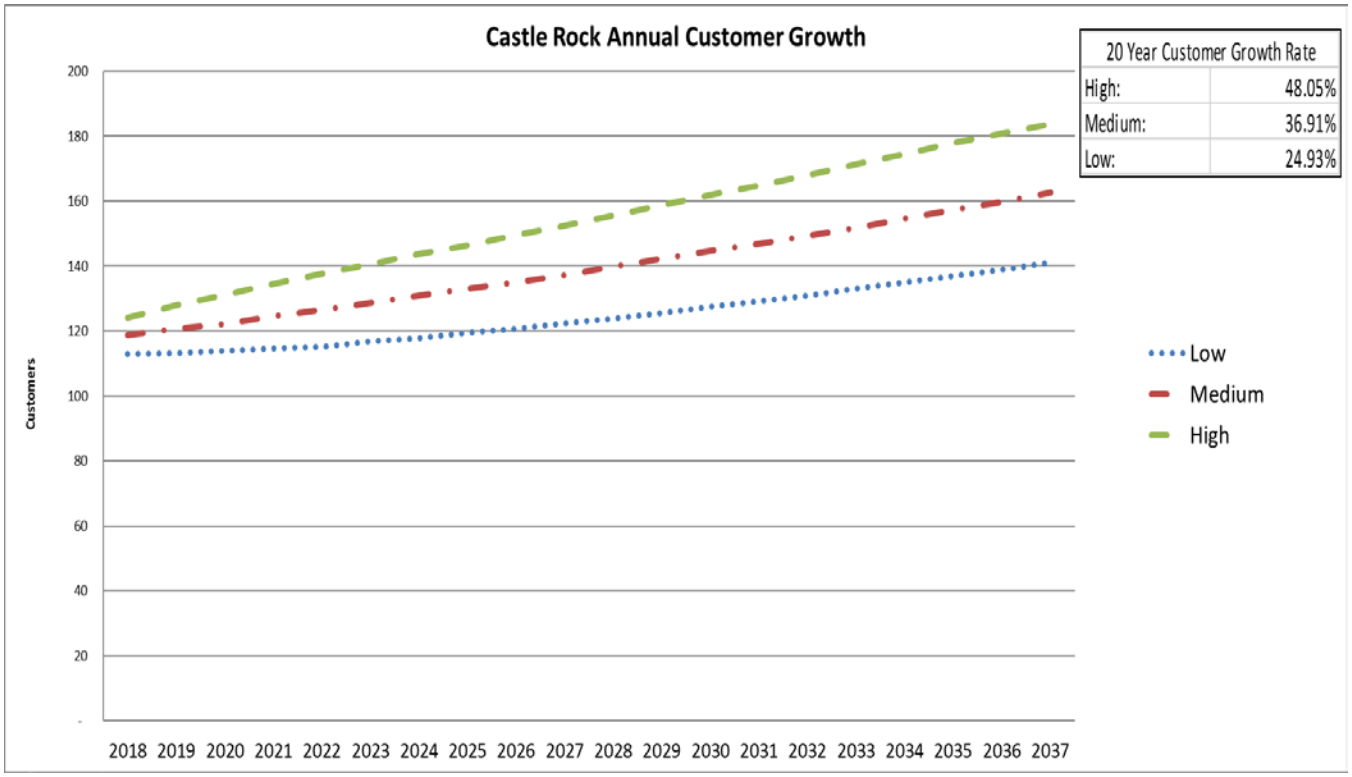
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 87,921 | 77,696 | 165,617 | 91,061 | 81,228 | 172,289 | 94,214 | 84,760 | 178,974 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 86,841 | 79,209 | 166,050 | 91,770 | 82,867 | 174,638 | 96,628 | 86,526 | 183,154 | -1.23% | 1.95% | 0.26% | 0.78% | 2.02% | 1.36% | 2.56% | 2.08% | 2.34% |
| 2020 | 88,700 | 79,209 | 167,908 | 94,308 | 82,994 | 177,302 | 99,499 | 88,292 | 187,791 | 2.14% | 0.00% | 1.12% | 2.77% | 0.15% | 1.53% | 2.97% | 2.04% | 2.53% |
| 2021 | 88,577 | 79,335 | 167,912 | 95,071 | 84,760 | 179,831 | 100,839 | 90,185 | 191,024 | -0.14% | 0.16% | 0.00% | 0.81% | 2.13% | 1.43% | 1.35% | 2.14% | 1.72% |
| 2022 | 89,340 | 79,335 | 168,675 | 95,627 | 86,400 | 182,026 | 102,837 | 91,951 | 194,788 | 0.86% | 0.00% | 0.45% | 0.58% | 1.93% | 1.22% | 1.98% | 1.96% | 1.97% |
| 2023 | 90,314 | 80,975 | 171,289 | 97,971 | 86,526 | 184,497 | 104,710 | 93,717 | 198,427 | 1.09% | 2.07% | 1.55% | 2.45% | 0.15% | 1.36% | 1.82% | 1.92% | 1.87% |
| 2024 | 91,694 | 81,101 | 172,795 | 99,915 | 88,292 | 188,207 | 107,524 | 95,483 | 203,007 | 1.53% | 0.16% | 0.88% | 1.98% | 2.04% | 2.01% | 2.69% | 1.88% | 2.31% |
| 2025 | 92,400 | 82,614 | 175,014 | 100,338 | 89,932 | 190,269 | 109,644 | 95,736 | 205,380 | 0.77% | 1.87% | 1.28% | 0.42% | 1.86% | 1.10% | 1.97% | 0.27% | 1.17% |
| 2026 | 93,157 | 82,741 | 175,898 | 102,152 | 90,185 | 192,337 | 111,724 | 97,502 | 209,226 | 0.82% | 0.15% | 0.50% | 1.81% | 0.28% | 1.09% | 1.90% | 1.84% | 1.87% |
| 2027 | 94,303 | 84,380 | 178,684 | 103,755 | 91,824 | 195,579 | 113,748 | 99,268 | 213,017 | 1.23% | 1.98% | 1.58% | 1.57% | 1.82% | 1.69% | 1.81% | 1.81% | 1.81% |
| 2028 | 95,480 | 86,020 | 181,500 | 106,368 | 93,590 | 199,958 | 116,618 | 101,035 | 217,652 | 1.25% | 1.94% | 1.58% | 2.52% | 1.92% | 2.24% | 2.52% | 1.78% | 2.18% |
| 2029 | 96,790 | 86,146 | 182,936 | 107,120 | 95,230 | 202,350 | 118,144 | 102,801 | 220,944 | 1.37% | 0.15% | 0.79% | 0.71% | 1.75% | 1.20% | 1.31% | 1.75% | 1.51% |
| 2030 | 98,043 | 87,786 | 185,828 | 108,367 | 96,996 | 205,363 | 120,177 | 104,567 | 224,744 | 1.29% | 1.90% | 1.58% | 1.16% | 1.85% | 1.49% | 1.72% | 1.72% | 1.72% |
| 2031 | 98,438 | 89,425 | 187,863 | 111,174 | 97,123 | 208,296 | 122,358 | 106,333 | 228,691 | 0.40% | 1.87% | 1.10% | 2.59% | 0.13% | 1.43% | 1.81% | 1.69% | 1.76% |
| 2032 | 101,037 | 89,679 | 190,715 | 112,986 | 98,889 | 211,875 | 124,233 | 109,612 | 233,845 | 2.64% | 0.28% | 1.52% | 1.63% | 1.82% | 1.72% | 1.53% | 3.08% | 2.25% |
| 2033 | 102,057 | 91,318 | 193,375 | 113,856 | 100,528 | 214,384 | 125,834 | 111,378 | 237,212 | 1.01% | 1.83% | 1.39% | 0.77% | 1.66% | 1.18% | 1.29% | 1.61% | 1.44% |
| 2034 | 103,403 | 92,958 | 196,361 | 115,834 | 102,294 | 218,128 | 128,485 | 113,144 | 241,629 | 1.32% | 1.80% | 1.54% | 1.74% | 1.76% | 1.75% | 2.11% | 1.59% | 1.86% |
| 2035 | 104,272 | 94,597 | 198,869 | 117,689 | 104,060 | 221,749 | 130,879 | 114,910 | 245,789 | 0.84% | 1.76% | 1.28% | 1.60% | 1.73% | 1.66% | 1.86% | 1.56% | 1.72% |
| 2036 | 107,117 | 94,724 | 201,840 | 120,391 | 105,700 | 226,091 | 133,836 | 116,676 | 250,513 | 2.73% | 0.13% | 1.49% | 2.30% | 1.58% | 1.96% | 2.26% | 1.54% | 1.92% |
| 2037 | 107,949 | 96,490 | 204,439 | 121,457 | 107,466 | 228,923 | 134,900 | 118,442 | 253,342 | 0.78% | 1.86% | 1.29% | 0.89% | 1.67% | 1.25% | 0.79% | 1.51% | 1.13% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 213 | 1,168 | 1,380 | 223 | 1,179 | 1,402 | 232 | 1,191 | 1,423 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 217 | 1,189 | 1,406 | 227 | 1,201 | 1,428 | 237 | 1,212 | 1,450 | 1.95% | 1.86% | 1.87% | 2.02% | 1.84% | 1.87% | 2.08% | 1.83% | 1.87% |
| 2020 | 217 | 1,194 | 1,411 | 227 | 1,206 | 1,433 | 242 | 1,213 | 1,455 | 0.00% | 0.42% | 0.36% | 0.15% | 0.39% | 0.36% | 2.04% | 0.03% | 0.36% |
| 2021 | 217 | 1,220 | 1,437 | 232 | 1,227 | 1,459 | 247 | 1,234 | 1,481 | 0.16% | 2.13% | 1.83% | 2.13% | 1.77% | 1.83% | 2.14% | 1.77% | 1.83% |
| 2022 | 217 | 1,251 | 1,468 | 237 | 1,254 | 1,490 | 252 | 1,261 | 1,513 | 0.00% | 2.53% | 2.14% | 1.93% | 2.18% | 2.14% | 1.96% | 2.18% | 2.14% |
| 2023 | 222 | 1,251 | 1,473 | 237 | 1,258 | 1,495 | 257 | 1,261 | 1,518 | 2.07% | 0.04% | 0.34% | 0.15% | 0.38% | 0.34% | 1.92% | 0.03% | 0.34% |
| 2024 | 222 | 1,282 | 1,504 | 242 | 1,285 | 1,527 | 262 | 1,288 | 1,550 | 0.16% | 2.44% | 2.09% | 2.04% | 2.10% | 2.09% | 1.88% | 2.13% | 2.09% |
| 2025 | 226 | 1,303 | 1,530 | 246 | 1,307 | 1,553 | 262 | 1,314 | 1,577 | 1.87% | 1.69% | 1.72% | 1.86% | 1.69% | 1.72% | 0.27% | 2.01% | 1.72% |
| 2026 | 227 | 1,329 | 1,555 | 247 | 1,332 | 1,579 | 267 | 1,336 | 1,603 | 0.15% | 1.95% | 1.69% | 0.28% | 1.95% | 1.69% | 1.84% | 1.66% | 1.69% |
| 2027 | 231 | 1,355 | 1,586 | 252 | 1,359 | 1,610 | 272 | 1,363 | 1,635 | 1.98% | 1.98% | 1.98% | 1.82% | 2.01% | 1.98% | 1.81% | 2.02% | 1.98% |
| 2028 | 236 | 1,355 | 1,591 | 256 | 1,359 | 1,616 | 277 | 1,363 | 1,640 | 1.94% | 0.04% | 0.32% | 1.92% | 0.02% | 0.32% | 1.78% | 0.02% | 0.32% |
| 2029 | 236 | 1,386 | 1,622 | 261 | 1,386 | 1,647 | 282 | 1,390 | 1,672 | 0.15% | 2.25% | 1.94% | 1.75% | 1.97% | 1.94% | 1.75% | 1.97% | 1.94% |
| 2030 | 241 | 1,407 | 1,648 | 266 | 1,407 | 1,673 | 286 | 1,412 | 1,698 | 1.90% | 1.54% | 1.59% | 1.85% | 1.54% | 1.59% | 1.72% | 1.57% | 1.59% |
| 2031 | 245 | 1,434 | 1,679 | 266 | 1,438 | 1,704 | 291 | 1,439 | 1,730 | 1.87% | 1.87% | 1.87% | 0.13% | 2.20% | 1.87% | 1.69% | 1.91% | 1.87% |
| 2032 | 246 | 1,459 | 1,704 | 271 | 1,460 | 1,730 | 300 | 1,457 | 1,757 | 0.28% | 1.75% | 1.54% | 1.82% | 1.49% | 1.54% | 3.08% | 1.22% | 1.54% |
| 2033 | 250 | 1,485 | 1,735 | 275 | 1,486 | 1,762 | 305 | 1,483 | 1,789 | 1.83% | 1.80% | 1.81% | 1.66% | 1.84% | 1.81% | 1.61% | 1.85% | 1.81% |
| 2034 | 255 | 1,511 | 1,766 | 280 | 1,513 | 1,793 | 310 | 1,510 | 1,820 | 1.80% | 1.77% | 1.78% | 1.76% | 1.78% | 1.78% | 1.59% | 1.81% | 1.78% |
| 2035 | 259 | 1,533 | 1,792 | 285 | 1,534 | 1,819 | 315 | 1,532 | 1,847 | 1.76% | 1.41% | 1.46% | 1.73% | 1.41% | 1.46% | 1.56% | 1.44% | 1.46% |
| 2036 | 260 | 1,563 | 1,823 | 290 | 1,561 | 1,851 | 320 | 1,559 | 1,879 | 0.13% | 1.99% | 1.72% | 1.58% | 1.75% | 1.72% | 1.54% | 1.76% | 1.72% |
| 2037 | 264 | 1,584 | 1,848 | 294 | 1,582 | 1,877 | 324 | 1,581 | 1,905 | 1.86% | 1.34% | 1.42% | 1.67% | 1.37% | 1.42% | 1.51% | 1.40% | 1.42% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 34,052 | 131,565 | 165,617 | 36,197 | 136,092 | 172,289 | 38,052 | 140,922 | 178,974 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 34,138 | 131,912 | 166,050 | 36,759 | 137,879 | 174,638 | 39,485 | 143,669 | 183,154 | 0.25% | 0.26% | 0.26% | 1.55% | 1.31% | 1.36% | 3.77% | 1.95% | 2.34% |
| 2020 | 34,378 | 133,530 | 167,908 | 37,593 | 139,709 | 177,302 | 40,856 | 146,936 | 187,791 | 0.71% | 1.23% | 1.12% | 2.27% | 1.33% | 1.53% | 3.47% | 2.27% | 2.53% |
| 2021 | 34,566 | 133,346 | 167,912 | 38,245 | 141,586 | 179,831 | 41,862 | 149,162 | 191,024 | 0.55% | -0.14% | 0.00% | 1.73% | 1.34% | 1.43% | 2.46% | 1.52% | 1.72% |
| 2022 | 34,807 | 133,868 | 168,675 | 38,907 | 143,120 | 182,026 | 42,993 | 151,795 | 194,788 | 0.70% | 0.39% | 0.45% | 1.73% | 1.08% | 1.22% | 2.70% | 1.76% | 1.97% |
| 2023 | 35,184 | 136,105 | 171,289 | 39,781 | 144,716 | 184,497 | 44,023 | 154,404 | 198,427 | 1.08% | 1.67% | 1.55% | 2.25% | 1.12% | 1.36% | 2.40% | 1.72% | 1.87% |
| 2024 | 35,843 | 136,952 | 172,795 | 40,598 | 147,609 | 188,207 | 45,312 | 157,696 | 203,007 | 1.87% | 0.62% | 0.88% | 2.05% | 2.00% | 2.01% | 2.93% | 2.13% | 2.31% |
| 2025 | 36,174 | 138,839 | 175,014 | 41,107 | 149,163 | 190,269 | 46,225 | 159,155 | 205,380 | 0.92% | 1.38% | 1.28% | 1.25% | 1.05% | 1.10% | 2.02% | 0.93% | 1.17% |
| 2026 | 36,689 | 139,208 | 175,898 | 41,935 | 150,402 | 192,337 | 47,324 | 161,902 | 209,226 | 1.42% | 0.27% | 0.50% | 2.02% | 0.83% | 1.09% | 2.38% | 1.73% | 1.87% |
| 2027 | 37,097 | 141,586 | 178,684 | 42,637 | 152,942 | 195,579 | 48,368 | 164,649 | 213,017 | 1.11% | 1.71% | 1.58% | 1.67% | 1.69% | 1.69% | 2.21% | 1.70% | 1.81% |
| 2028 | 37,857 | 143,643 | 181,500 | 43,681 | 156,277 | 199,958 | 49,627 | 168,025 | 217,652 | 2.05% | 1.45% | 1.58% | 2.45% | 2.18% | 2.24% | 2.60% | 2.05% | 2.18% |
| 2029 | 38,234 | 144,702 | 182,936 | 44,284 | 158,066 | 202,350 | 50,516 | 170,428 | 220,944 | 1.00% | 0.74% | 0.79% | 1.38% | 1.14% | 1.20% | 1.79% | 1.43% | 1.51% |
| 2030 | 38,749 | 147,079 | 185,828 | 45,039 | 160,324 | 205,363 | 51,569 | 173,175 | 224,744 | 1.35% | 1.64% | 1.58% | 1.70% | 1.43% | 1.49% | 2.08% | 1.61% | 1.72% |
| 2031 | 39,264 | 148,600 | 187,863 | 45,938 | 162,359 | 208,296 | 52,598 | 176,093 | 228,691 | 1.33% | 1.03% | 1.10% | 1.99% | 1.27% | 1.43% | 2.00% | 1.68% | 1.76% |
| 2032 | 39,980 | 150,735 | 190,715 | 46,935 | 164,941 | 211,875 | 53,868 | 179,977 | 233,845 | 1.82% | 1.44% | 1.52% | 2.17% | 1.59% | 1.72% | 2.41% | 2.21% | 2.25% |
| 2033 | 40,419 | 152,957 | 193,375 | 47,485 | 166,899 | 214,384 | 54,807 | 182,405 | 237,212 | 1.10% | 1.47% | 1.39% | 1.17% | 1.19% | 1.18% | 1.74% | 1.35% | 1.44% |
| 2034 | 41,026 | 155,334 | 196,361 | 48,482 | 169,645 | 218,128 | 55,837 | 185,792 | 241,629 | 1.50% | 1.55% | 1.54% | 2.10% | 1.65% | 1.75% | 1.88% | 1.86% | 1.86% |
| 2035 | 41,733 | 157,136 | 198,869 | 49,373 | 172,376 | 221,749 | 56,933 | 188,856 | 245,789 | 1.72% | 1.16% | 1.28% | 1.84% | 1.61% | 1.66% | 1.96% | 1.65% | 1.72% |
| 2036 | 42,630 | 159,211 | 201,840 | 50,341 | 175,750 | 226,091 | 58,223 | 192,290 | 250,513 | 2.15% | 1.32% | 1.49% | 1.96% | 1.96% | 1.96% | 2.27% | 1.82% | 1.92% |
| 2037 | 43,050 | 161,389 | 204,439 | 51,054 | 177,870 | 228,923 | 58,992 | 194,350 | 253,342 | 0.99% | 1.37% | 1.29% | 1.42% | 1.21% | 1.25% | 1.32% | 1.07% | 1.13% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 65 | 48 | 113 | 70 | 49 | 119 | 73 | 51 | 124 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 66 | 48 | 113 | 71 | 50 | 121 | 76 | 52 | 128 | 0.13% | 0.35% | 0.22% | 1.68% | 1.52% | 1.61% | 3.76% | 1.96% | 3.02% |
| 2020 | 66 | 48 | 114 | 72 | 50 | 122 | 78 | 53 | 131 | 0.38% | 0.87% | 0.59% | 1.65% | 0.67% | 1.24% | 2.97% | 1.92% | 2.54% |
| 2021 | 66 | 48 | 115 | 73 | 51 | 125 | 81 | 54 | 135 | 1.01% | 0.17% | 0.66% | 2.20% | 1.82% | 2.05% | 3.09% | 1.88% | 2.60% |
| 2022 | 67 | 48 | 115 | 75 | 52 | 127 | 83 | 55 | 138 | 0.63% | 0.35% | 0.51% | 1.82% | 1.14% | 1.54% | 2.69% | 1.69% | 2.29% |
| 2023 | 68 | 49 | 117 | 76 | 52 | 129 | 85 | 56 | 141 | 1.12% | 1.72% | 1.37% | 2.12% | 0.96% | 1.65% | 2.42% | 1.67% | 2.12% |
| 2024 | 69 | 49 | 118 | 78 | 53 | 131 | 87 | 57 | 144 | 1.36% | 0.17% | 0.86% | 1.75% | 1.75% | 1.75% | 2.46% | 1.79% | 2.19% |
| 2025 | 69 | 50 | 120 | 79 | 54 | 133 | 89 | 58 | 146 | 1.22% | 1.86% | 1.49% | 1.72% | 1.56% | 1.65% | 2.40% | 1.17% | 1.91% |
| 2026 | 70 | 50 | 121 | 81 | 54 | 135 | 91 | 59 | 150 | 1.44% | 0.17% | 0.91% | 1.90% | 0.62% | 1.38% | 2.35% | 1.74% | 2.11% |
| 2027 | 71 | 51 | 122 | 82 | 55 | 137 | 93 | 60 | 153 | 1.07% | 1.82% | 1.38% | 1.76% | 1.68% | 1.73% | 2.29% | 1.71% | 2.06% |
| 2028 | 72 | 52 | 124 | 84 | 56 | 140 | 95 | 61 | 156 | 1.52% | 1.14% | 1.36% | 1.93% | 1.81% | 1.88% | 2.15% | 1.68% | 1.97% |
| 2029 | 73 | 52 | 126 | 85 | 57 | 142 | 97 | 62 | 159 | 1.62% | 0.96% | 1.34% | 1.90% | 1.63% | 1.79% | 2.19% | 1.79% | 2.04% |
| 2030 | 74 | 53 | 128 | 87 | 58 | 145 | 99 | 63 | 162 | 1.36% | 1.75% | 1.53% | 1.76% | 1.46% | 1.64% | 2.15% | 1.62% | 1.94% |
| 2031 | 75 | 54 | 129 | 88 | 59 | 147 | 101 | 64 | 165 | 1.35% | 1.10% | 1.24% | 1.92% | 1.15% | 1.61% | 2.02% | 1.73% | 1.91% |
| 2032 | 77 | 54 | 131 | 90 | 60 | 149 | 103 | 65 | 168 | 1.55% | 0.93% | 1.29% | 1.79% | 1.28% | 1.59% | 1.98% | 1.83% | 1.92% |
| 2033 | 78 | 55 | 133 | 91 | 60 | 152 | 105 | 66 | 171 | 1.53% | 1.84% | 1.66% | 1.58% | 1.54% | 1.56% | 2.10% | 1.67% | 1.93% |
| 2034 | 79 | 56 | 135 | 93 | 61 | 155 | 107 | 67 | 175 | 1.50% | 1.66% | 1.57% | 2.10% | 1.66% | 1.92% | 1.90% | 1.89% | 1.90% |
| 2035 | 80 | 57 | 137 | 95 | 62 | 157 | 109 | 68 | 178 | 1.69% | 1.19% | 1.48% | 1.79% | 1.63% | 1.73% | 1.94% | 1.73% | 1.86% |
| 2036 | 81 | 57 | 139 | 96 | 63 | 160 | 111 | 69 | 181 | 1.56% | 0.88% | 1.28% | 1.58% | 1.60% | 1.59% | 1.83% | 1.46% | 1.69% |
| 2037 | 83 | 58 | 141 | 98 | 64 | 163 | 113 | 70 | 184 | 1.64% | 1.74% | 1.68% | 1.90% | 1.58% | 1.77% | 1.80% | 1.44% | 1.66% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 48.05% |
| Medium: | 36.91% |
| Low: | 24.93% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

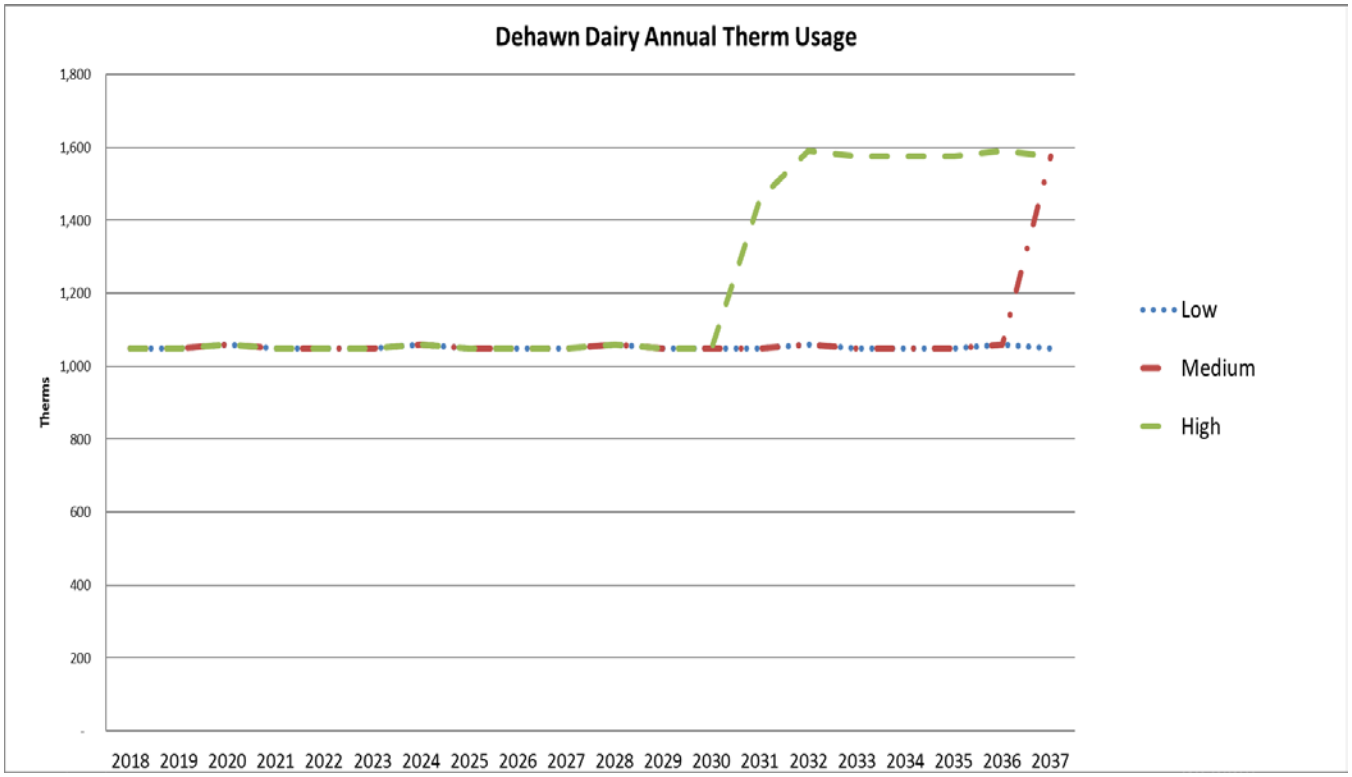
## Dehawn Dairy

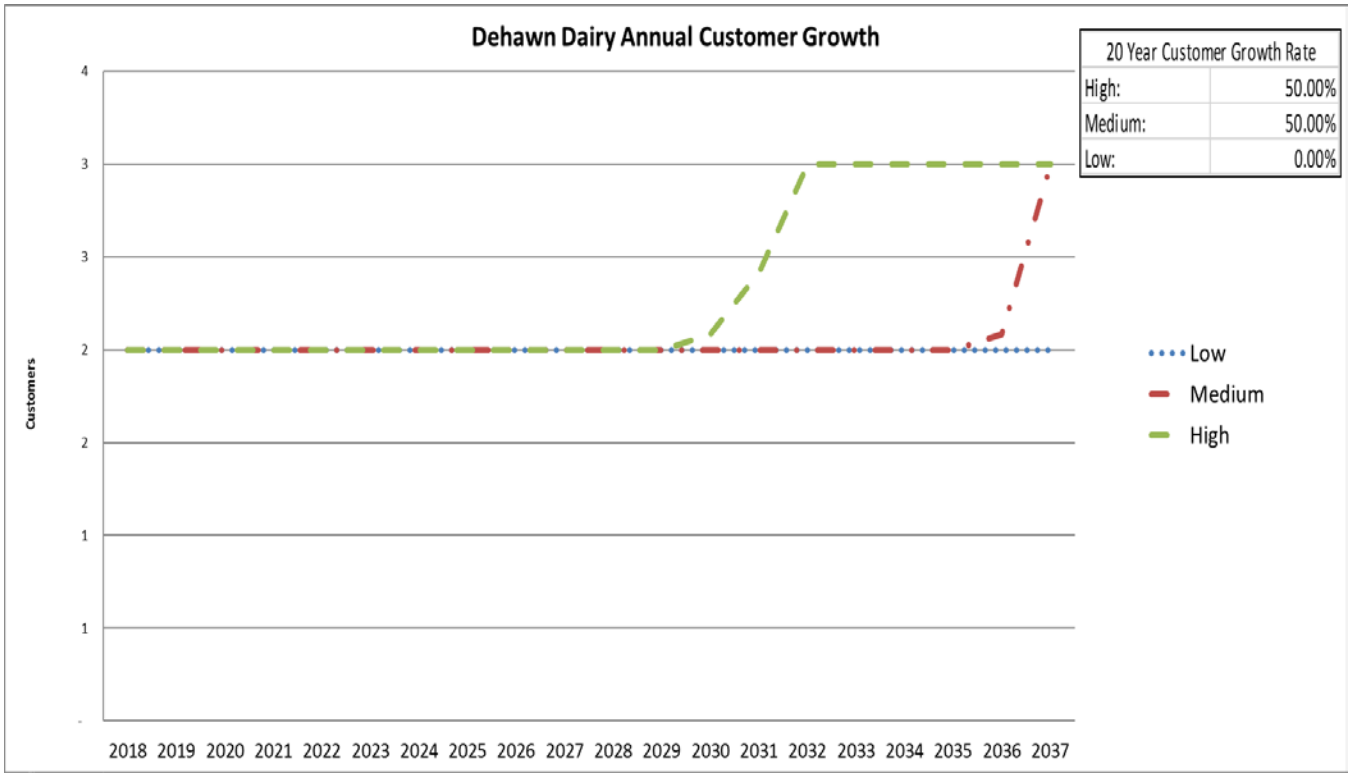
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2021 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2022 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2025 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2026 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2029 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2030 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,460 | - | 1,460 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 39.05% | 0.00% | 39.05% |
| 2032 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,590 | - | 1,590 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 8.90% | 0.00% | 8.90% |
| 2033 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2034 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,590 | - | 1,590 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2037 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 1,575 | - | 1,575 | -0.94% | 0.00% | -0.94% | 48.58% | 0.00% | 48.58% | -0.94% | 0.00% | -0.94% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2021 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2022 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2025 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2026 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2029 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2030 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,460 | - | 1,460 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 39.05% | 0.00% | 39.05% |
| 2032 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,590 | - | 1,590 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 8.90% | 0.00% | 8.90% |
| 2033 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% | -0.94% | 0.00% | -0.94% |
| 2034 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 1,050 | - | 1,050 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 1,060 | - | 1,060 | 1,060 | - | 1,060 | 1,590 | - | 1,590 | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% | 0.95% | 0.00% | 0.95% |
| 2037 | 1,050 | - | 1,050 | 1,575 | - | 1,575 | 1,575 | - | 1,575 | -0.94% | 0.00% | -0.94% | 48.58% | 0.00% | 48.58% | -0.94% | 0.00% | -0.94% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 4.17% |
| 2031 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 16.00% | 0.00% | 16.00% |
| 2032 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 24.14% | 0.00% | 24.14% |
| 2033 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 4.17% | 0.00% | 0.00% | 0.00% |
| 2037 | 2 | - | 2 | 3 | - | 3 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 44.00% | 0.00% | 44.00% | 0.00% | 0.00% | 0.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.00% |
| Medium: | 50.00% |
| Low: | 0.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

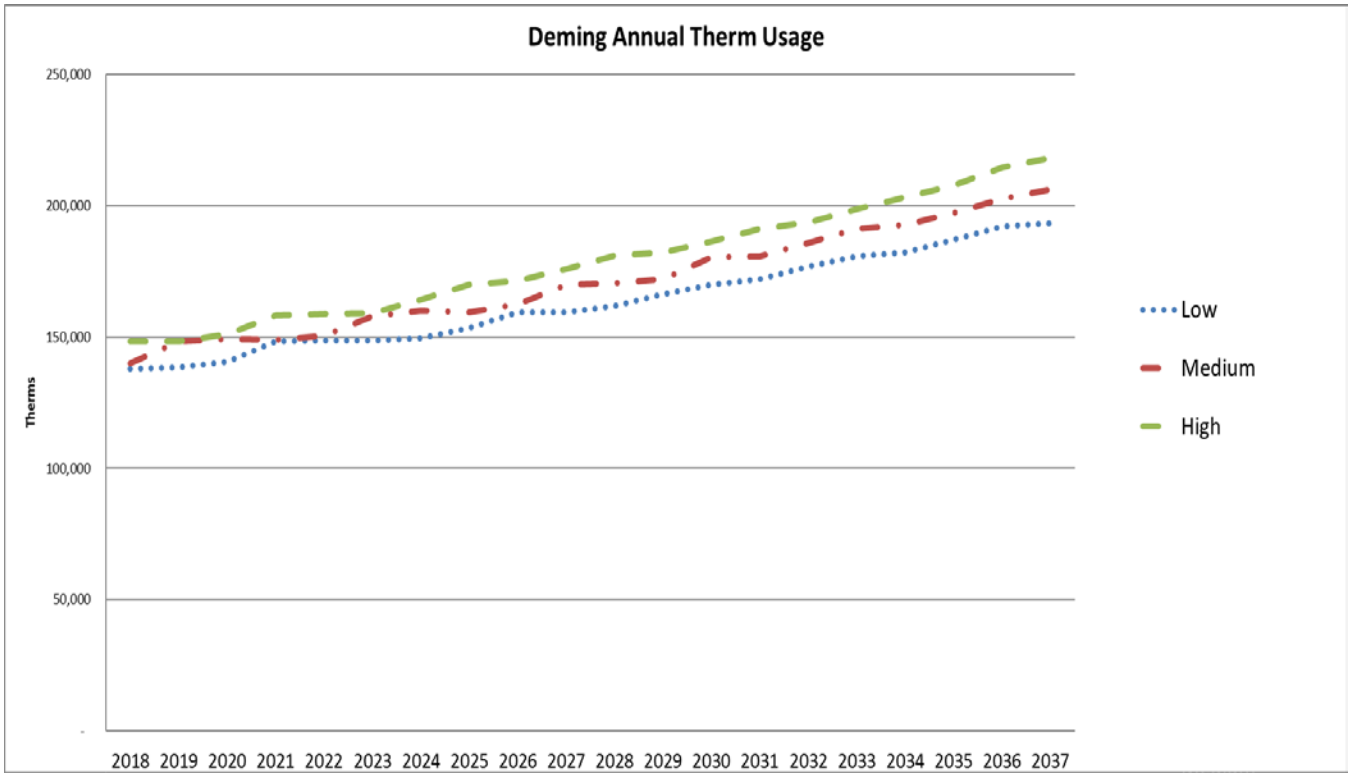
## Deming

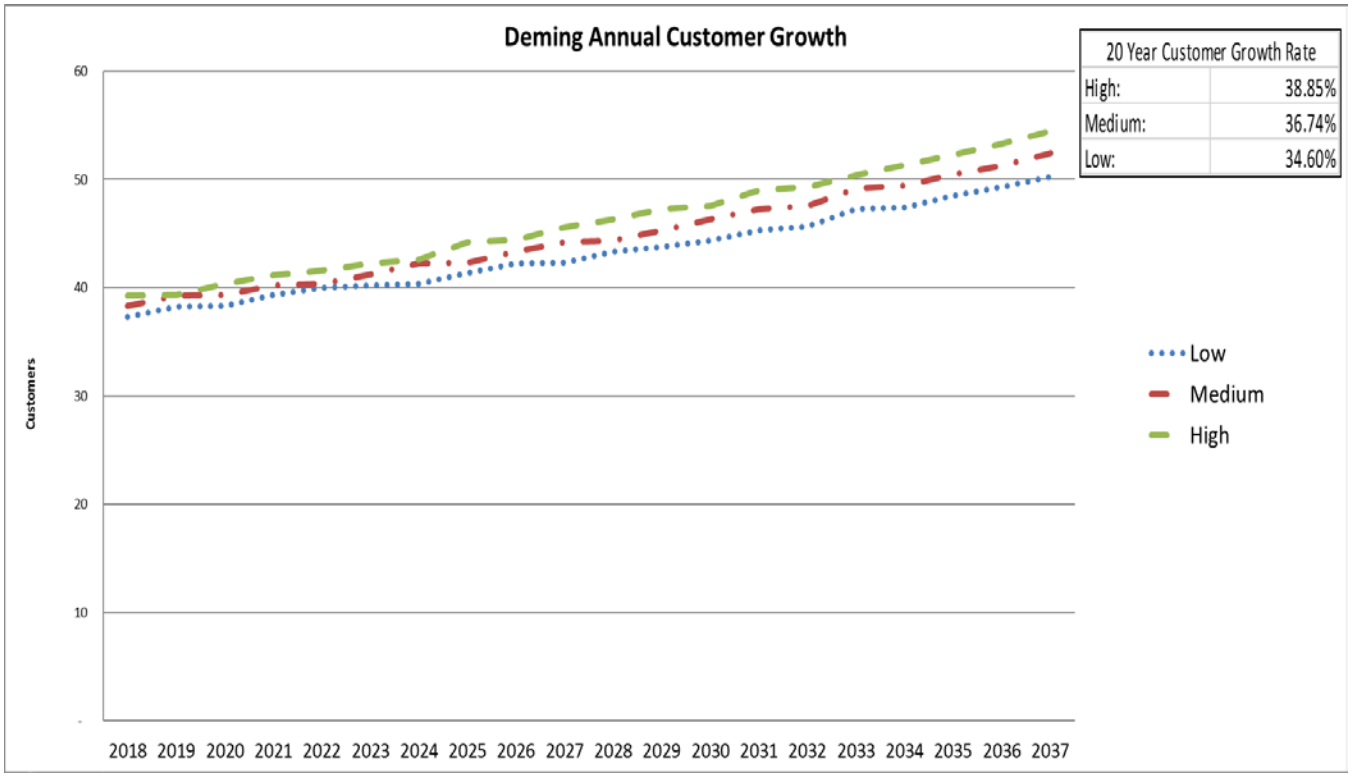
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 102,483 | 35,537 | 138,020 | 104,380 | 35,638 | 140,018 | 109,992 | 38,398 | 148,390 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 102,828 | 35,638 | 138,466 | 109,993 | 38,398 | 148,390 | 110,079 | 38,398 | 148,477 | 0.34% | 0.28% | 0.32% | 5.38% | 7.74% | 5.98% | 0.08% | 0.00% | 0.06% |
| 2020 | 105,040 | 35,638 | 140,679 | 110,769 | 38,398 | 149,167 | 112,682 | 38,499 | 151,181 | 2.15% | 0.00% | 1.60% | 0.71% | 0.00% | 0.52% | 2.36% | 0.26% | 1.82% |
| 2021 | 110,087 | 38,398 | 148,485 | 110,431 | 38,499 | 148,930 | 116,875 | 41,258 | 158,133 | 4.80% | 7.74% | 5.55% | -0.31% | 0.26% | -0.16% | 3.72% | 7.17% | 4.60% |
| 2022 | 110,351 | 38,398 | 148,749 | 111,875 | 38,499 | 150,373 | 117,683 | 41,258 | 158,942 | 0.24% | 0.00% | 0.18% | 1.31% | 0.00% | 0.97% | 0.69% | 0.00% | 0.51% |
| 2023 | 110,315 | 38,499 | 148,814 | 116,830 | 41,258 | 158,089 | 117,903 | 41,359 | 159,262 | -0.03% | 0.26% | 0.04% | 4.43% | 7.17% | 5.13% | 0.19% | 0.24% | 0.20% |
| 2024 | 111,194 | 38,499 | 149,693 | 118,749 | 41,359 | 160,109 | 122,902 | 41,359 | 164,261 | 0.80% | 0.00% | 0.59% | 1.64% | 0.24% | 1.28% | 4.24% | 0.00% | 3.14% |
| 2025 | 114,984 | 38,499 | 153,483 | 118,113 | 41,359 | 159,473 | 125,622 | 44,220 | 169,842 | 3.41% | 0.00% | 2.53% | -0.54% | 0.00% | -0.40% | 2.21% | 6.92% | 3.40% |
| 2026 | 118,027 | 41,359 | 159,386 | 121,264 | 41,359 | 162,624 | 127,275 | 44,220 | 171,495 | 2.65% | 7.43% | 3.85% | 2.67% | 0.00% | 1.98% | 1.32% | 0.00% | 0.97% |
| 2027 | 118,113 | 41,359 | 159,472 | 125,621 | 44,220 | 169,841 | 131,620 | 44,321 | 175,941 | 0.07% | 0.00% | 0.05% | 3.59% | 6.92% | 4.44% | 3.41% | 0.23% | 2.59% |
| 2028 | 120,495 | 41,460 | 161,955 | 126,222 | 44,220 | 170,442 | 133,849 | 47,080 | 180,929 | 2.02% | 0.24% | 1.56% | 0.48% | 0.00% | 0.35% | 1.69% | 6.23% | 2.83% |
| 2029 | 122,012 | 44,220 | 166,231 | 127,596 | 44,321 | 171,917 | 135,283 | 47,080 | 182,364 | 1.26% | 6.66% | 2.64% | 1.09% | 0.23% | 0.87% | 1.07% | 0.00% | 0.79% |
| 2030 | 125,700 | 44,220 | 169,920 | 133,296 | 47,080 | 180,376 | 139,201 | 47,181 | 186,382 | 3.02% | 0.00% | 2.22% | 4.47% | 6.23% | 4.92% | 2.90% | 0.21% | 2.20% |
| 2031 | 127,619 | 44,321 | 171,940 | 133,648 | 47,181 | 180,829 | 141,177 | 49,941 | 191,118 | 1.53% | 0.23% | 1.19% | 0.26% | 0.21% | 0.25% | 1.42% | 5.85% | 2.54% |
| 2032 | 132,531 | 44,321 | 176,852 | 138,642 | 47,181 | 185,823 | 143,683 | 50,042 | 193,724 | 3.85% | 0.00% | 2.86% | 3.74% | 0.00% | 2.76% | 1.77% | 0.20% | 1.36% |
| 2033 | 133,508 | 47,181 | 180,689 | 141,187 | 49,941 | 191,128 | 145,801 | 52,801 | 198,602 | 0.74% | 6.45% | 2.17% | 1.84% | 5.85% | 2.85% | 1.47% | 5.51% | 2.52% |
| 2034 | 135,146 | 47,181 | 182,327 | 142,733 | 50,042 | 192,775 | 150,235 | 52,902 | 203,137 | 1.23% | 0.00% | 0.91% | 1.10% | 0.20% | 0.86% | 3.04% | 0.19% | 2.28% |
| 2035 | 139,723 | 47,181 | 186,904 | 147,318 | 50,042 | 197,360 | 154,693 | 52,902 | 207,595 | 3.39% | 0.00% | 2.51% | 3.21% | 0.00% | 2.38% | 2.97% | 0.00% | 2.19% |
| 2036 | 142,203 | 50,042 | 192,245 | 149,758 | 52,902 | 202,660 | 158,967 | 55,763 | 214,730 | 1.78% | 6.06% | 2.86% | 1.66% | 5.72% | 2.69% | 2.76% | 5.41% | 3.44% |
| 2037 | 143,333 | 50,042 | 193,375 | 153,399 | 52,902 | 206,301 | 162,525 | 55,763 | 218,288 | 0.79% | 0.00% | 0.59% | 2.43% | 0.00% | 1.80% | 2.24% | 0.00% | 1.66% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 97 | 1,288 | 1,385 | 98 | 1,309 | 1,407 | 105 | 1,323 | 1,428 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 98 | 1,391 | 1,489 | 105 | 1,407 | 1,512 | 105 | 1,430 | 1,535 | 0.28% | 8.02% | 7.48% | 7.74% | 7.46% | 7.48% | 0.00% | 8.08% | 7.48% |
| 2020 | 98 | 1,391 | 1,489 | 105 | 1,407 | 1,512 | 105 | 1,429 | 1,535 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.26% | -0.02% | 0.00% |
| 2021 | 105 | 1,389 | 1,494 | 105 | 1,412 | 1,517 | 113 | 1,427 | 1,541 | 7.74% | -0.15% | 0.37% | 0.26% | 0.37% | 0.37% | 7.17% | -0.14% | 0.37% |
| 2022 | 105 | 1,389 | 1,494 | 105 | 1,412 | 1,517 | 113 | 1,427 | 1,541 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 105 | 1,493 | 1,598 | 113 | 1,510 | 1,623 | 113 | 1,534 | 1,647 | 0.26% | 7.44% | 6.93% | 7.17% | 6.92% | 6.93% | 0.24% | 7.46% | 6.93% |
| 2024 | 105 | 1,498 | 1,604 | 113 | 1,515 | 1,628 | 113 | 1,540 | 1,653 | 0.00% | 0.37% | 0.34% | 0.24% | 0.35% | 0.34% | 0.00% | 0.37% | 0.34% |
| 2025 | 105 | 1,498 | 1,604 | 113 | 1,515 | 1,628 | 121 | 1,532 | 1,653 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 6.92% | -0.51% | 0.00% |
| 2026 | 113 | 1,496 | 1,609 | 113 | 1,520 | 1,634 | 121 | 1,537 | 1,659 | 7.43% | -0.16% | 0.34% | 0.00% | 0.37% | 0.34% | 0.00% | 0.37% | 0.34% |
| 2027 | 113 | 1,599 | 1,713 | 121 | 1,618 | 1,739 | 121 | 1,644 | 1,765 | 0.00% | 6.93% | 6.44% | 6.92% | 6.41% | 6.44% | 0.23% | 6.93% | 6.44% |
| 2028 | 114 | 1,599 | 1,713 | 121 | 1,618 | 1,739 | 129 | 1,636 | 1,765 | 0.24% | -0.02% | 0.00% | 0.00% | 0.00% | 0.00% | 6.23% | -0.46% | 0.00% |
| 2029 | 121 | 1,597 | 1,718 | 121 | 1,623 | 1,744 | 129 | 1,642 | 1,771 | 6.66% | -0.13% | 0.32% | 0.23% | 0.33% | 0.32% | 0.00% | 0.34% | 0.32% |
| 2030 | 121 | 1,701 | 1,822 | 129 | 1,721 | 1,850 | 129 | 1,749 | 1,878 | 0.00% | 6.49% | 6.03% | 6.23% | 6.02% | 6.03% | 0.21% | 6.49% | 6.03% |
| 2031 | 121 | 1,706 | 1,827 | 129 | 1,726 | 1,855 | 137 | 1,747 | 1,883 | 0.23% | 0.30% | 0.30% | 0.21% | 0.31% | 0.30% | 5.85% | -0.11% | 0.30% |
| 2032 | 121 | 1,706 | 1,827 | 129 | 1,726 | 1,855 | 137 | 1,746 | 1,883 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.20% | -0.02% | 0.00% |
| 2033 | 129 | 1,807 | 1,936 | 137 | 1,829 | 1,966 | 145 | 1,851 | 1,996 | 6.45% | 5.94% | 5.97% | 5.85% | 5.98% | 5.97% | 5.51% | 6.01% | 5.97% |
| 2034 | 129 | 1,807 | 1,936 | 137 | 1,829 | 1,966 | 145 | 1,851 | 1,996 | 0.00% | 0.00% | 0.00% | 0.20% | -0.02% | 0.00% | 0.19% | -0.01% | 0.00% |
| 2035 | 129 | 1,812 | 1,942 | 137 | 1,834 | 1,972 | 145 | 1,857 | 2,002 | 0.00% | 0.30% | 0.28% | 0.00% | 0.30% | 0.28% | 0.00% | 0.30% | 0.28% |
| 2036 | 137 | 1,908 | 2,045 | 145 | 1,932 | 2,077 | 153 | 1,956 | 2,108 | 6.06% | 5.29% | 5.34% | 5.72% | 5.31% | 5.34% | 5.41% | 5.33% | 5.34% |
| 2037 | 137 | 1,914 | 2,051 | 145 | 1,937 | 2,082 | 153 | 1,961 | 2,114 | 0.00% | 0.29% | 0.27% | 0.00% | 0.29% | 0.27% | 0.00% | 0.29% | 0.27% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 13,371 | 124,649 | 138,020 | 13,817 | 126,201 | 140,018 | 13,817 | 134,573 | 148,390 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 13,817 | 124,649 | 138,466 | 13,817 | 134,573 | 148,390 | 13,904 | 134,573 | 148,477 | 3.34% | 0.00% | 0.32% | 0.00% | 6.63% | 5.98% | 0.63% | 0.00% | 0.06% |
| 2020 | 13,881 | 126,797 | 140,679 | 13,968 | 135,199 | 149,167 | 14,415 | 136,766 | 151,181 | 0.46% | 1.72% | 1.60% | 1.09% | 0.46% | 0.52% | 3.68% | 1.63% | 1.82% |
| 2021 | 13,904 | 134,581 | 148,485 | 14,349 | 134,581 | 148,930 | 14,349 | 143,784 | 158,133 | 0.16% | 6.14% | 5.55% | 2.73% | -0.46% | -0.16% | -0.46% | 5.13% | 4.60% |
| 2022 | 14,272 | 134,477 | 148,749 | 14,337 | 136,036 | 150,373 | 14,548 | 144,393 | 158,942 | 2.65% | -0.08% | 0.18% | -0.08% | 1.08% | 0.97% | 1.39% | 0.42% | 0.51% |
| 2023 | 14,337 | 134,477 | 148,814 | 14,423 | 143,666 | 158,089 | 14,869 | 144,393 | 159,262 | 0.46% | 0.00% | 0.04% | 0.60% | 5.61% | 5.13% | 2.20% | 0.00% | 0.20% |
| 2024 | 14,501 | 135,191 | 149,693 | 14,949 | 145,159 | 160,109 | 15,036 | 149,226 | 164,261 | 1.14% | 0.53% | 0.59% | 3.65% | 1.04% | 1.28% | 1.12% | 3.35% | 3.14% |
| 2025 | 14,872 | 138,610 | 153,483 | 14,968 | 144,505 | 159,473 | 15,413 | 154,429 | 169,842 | 2.56% | 2.53% | 2.53% | 0.12% | -0.45% | -0.40% | 2.51% | 3.49% | 3.40% |
| 2026 | 14,881 | 144,505 | 159,386 | 15,404 | 147,220 | 162,624 | 15,500 | 155,996 | 171,495 | 0.06% | 4.25% | 3.85% | 2.91% | 1.88% | 1.98% | 0.56% | 1.01% | 0.97% |
| 2027 | 14,967 | 144,505 | 159,472 | 15,412 | 154,429 | 169,841 | 15,944 | 159,997 | 175,941 | 0.58% | 0.00% | 0.05% | 0.05% | 4.90% | 4.44% | 2.87% | 2.57% | 2.59% |
| 2028 | 15,459 | 146,496 | 161,955 | 15,545 | 154,897 | 170,442 | 16,079 | 164,850 | 180,929 | 3.29% | 1.38% | 1.56% | 0.86% | 0.30% | 0.35% | 0.84% | 3.03% | 2.83% |
| 2029 | 15,412 | 150,819 | 166,231 | 15,944 | 155,973 | 171,917 | 16,466 | 165,897 | 182,364 | -0.31% | 2.95% | 2.64% | 2.56% | 0.69% | 0.87% | 2.41% | 0.64% | 0.79% |
| 2030 | 15,499 | 154,421 | 169,920 | 16,031 | 164,346 | 180,376 | 16,476 | 169,906 | 186,382 | 0.56% | 2.39% | 2.22% | 0.54% | 5.37% | 4.92% | 0.06% | 2.42% | 2.20% |
| 2031 | 15,945 | 155,996 | 171,940 | 16,476 | 164,353 | 180,829 | 16,841 | 174,277 | 191,118 | 2.88% | 1.02% | 1.19% | 2.78% | 0.00% | 0.25% | 2.21% | 2.57% | 2.54% |
| 2032 | 16,105 | 160,747 | 176,852 | 16,639 | 169,184 | 185,823 | 17,086 | 176,638 | 193,724 | 1.00% | 3.05% | 2.86% | 0.99% | 2.94% | 2.76% | 1.46% | 1.35% | 1.36% |
| 2033 | 16,463 | 164,227 | 180,689 | 16,985 | 174,143 | 191,128 | 17,191 | 181,411 | 198,602 | 2.22% | 2.16% | 2.17% | 2.08% | 2.93% | 2.85% | 0.61% | 2.70% | 2.52% |
| 2034 | 16,549 | 165,778 | 182,327 | 17,080 | 175,695 | 192,775 | 17,526 | 185,612 | 203,137 | 0.52% | 0.94% | 0.91% | 0.56% | 0.89% | 0.86% | 1.95% | 2.32% | 2.28% |
| 2035 | 16,998 | 169,906 | 186,904 | 17,530 | 179,830 | 197,360 | 17,841 | 189,754 | 207,595 | 2.71% | 2.49% | 2.51% | 2.63% | 2.35% | 2.38% | 1.80% | 2.23% | 2.19% |
| 2036 | 17,173 | 175,071 | 192,245 | 17,621 | 185,040 | 202,660 | 18,155 | 196,575 | 214,730 | 1.03% | 3.04% | 2.86% | 0.52% | 2.90% | 2.69% | 1.76% | 3.59% | 3.44% |
| 2037 | 17,531 | 175,844 | 193,375 | 18,063 | 188,238 | 206,301 | 18,595 | 199,693 | 218,288 | 2.08% | 0.44% | 0.59% | 2.51% | 1.73% | 1.80% | 2.42% | 1.59% | 1.66% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25 | 12 | 37 | 26 | 12 | 38 | 26 | 13 | 39 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 26 | 12 | 38 | 26 | 13 | 39 | 26 | 13 | 39 | 3.67% | 0.00% | 2.46% | 0.00% | 7.38% | 2.39% | 0.32% | 0.00% | 0.21% |
| 2020 | 26 | 12 | 38 | 26 | 13 | 39 | 27 | 13 | 40 | 0.00% | 0.68% | 0.22% | 0.32% | 0.00% | 0.21% | 3.53% | 0.62% | 2.54% |
| 2021 | 26 | 13 | 39 | 27 | 13 | 40 | 27 | 14 | 41 | 0.32% | 7.38% | 2.61% | 3.53% | 0.00% | 2.33% | 0.00% | 6.21% | 2.07% |
| 2022 | 27 | 13 | 40 | 27 | 13 | 40 | 27 | 14 | 42 | 2.56% | 0.00% | 1.69% | 0.00% | 0.62% | 0.21% | 1.24% | 0.58% | 1.01% |
| 2023 | 27 | 13 | 40 | 27 | 14 | 41 | 28 | 14 | 42 | 0.94% | 0.00% | 0.63% | 0.31% | 6.21% | 2.27% | 2.45% | 0.00% | 1.60% |
| 2024 | 27 | 13 | 40 | 28 | 14 | 42 | 28 | 15 | 43 | 0.31% | 0.00% | 0.21% | 3.40% | 0.58% | 2.42% | 0.30% | 1.74% | 0.79% |
| 2025 | 28 | 14 | 41 | 28 | 14 | 42 | 29 | 15 | 44 | 3.09% | 1.88% | 2.69% | 0.30% | 0.00% | 0.20% | 3.27% | 5.14% | 3.91% |
| 2026 | 28 | 14 | 42 | 29 | 15 | 43 | 29 | 15 | 44 | 0.30% | 5.52% | 2.01% | 2.98% | 1.16% | 2.36% | 0.29% | 0.54% | 0.38% |
| 2027 | 28 | 14 | 42 | 29 | 15 | 44 | 30 | 16 | 46 | 0.30% | 0.00% | 0.20% | 0.29% | 5.75% | 2.12% | 3.16% | 1.62% | 2.63% |
| 2028 | 29 | 14 | 43 | 29 | 15 | 44 | 30 | 16 | 46 | 3.27% | 0.58% | 2.36% | 0.29% | 0.00% | 0.19% | 0.28% | 4.26% | 1.65% |
| 2029 | 29 | 15 | 44 | 30 | 15 | 45 | 31 | 16 | 47 | 0.00% | 2.89% | 0.96% | 3.16% | 0.54% | 2.26% | 2.78% | 0.51% | 1.98% |
| 2030 | 29 | 15 | 44 | 30 | 16 | 46 | 31 | 17 | 48 | 0.29% | 3.37% | 1.33% | 0.28% | 5.95% | 2.21% | 0.27% | 1.52% | 0.71% |
| 2031 | 30 | 15 | 45 | 31 | 16 | 47 | 32 | 17 | 49 | 3.16% | 0.54% | 2.26% | 3.06% | 0.00% | 1.98% | 2.43% | 4.00% | 2.98% |
| 2032 | 30 | 16 | 46 | 31 | 17 | 48 | 32 | 17 | 49 | 0.28% | 1.62% | 0.74% | 0.27% | 1.53% | 0.71% | 0.79% | 0.48% | 0.68% |
| 2033 | 31 | 16 | 47 | 32 | 17 | 49 | 32 | 18 | 50 | 3.06% | 4.26% | 3.47% | 2.69% | 4.52% | 3.33% | 1.31% | 3.83% | 2.20% |
| 2034 | 31 | 16 | 47 | 32 | 17 | 49 | 33 | 18 | 51 | 0.27% | 0.51% | 0.35% | 0.52% | 0.48% | 0.51% | 1.80% | 1.84% | 1.82% |
| 2035 | 32 | 17 | 49 | 33 | 18 | 51 | 34 | 19 | 52 | 2.69% | 1.52% | 2.28% | 2.60% | 1.44% | 2.19% | 2.03% | 1.36% | 1.79% |
| 2036 | 32 | 17 | 49 | 33 | 18 | 51 | 34 | 19 | 53 | 0.52% | 4.00% | 1.72% | 0.25% | 3.77% | 1.49% | 0.99% | 4.02% | 2.07% |
| 2037 | 33 | 17 | 50 | 34 | 19 | 52 | 35 | 20 | 55 | 2.60% | 0.48% | 1.86% | 2.78% | 1.36% | 2.28% | 2.70% | 1.29% | 2.19% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 38.85% |
| Medium: | 36.74% |
| Low: | 34.60% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## East Stanwood Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 5,783,501 | 3,625,612 | 9,409,113 | 5,977,706 | 3,751,644 | 9,729,350 | 6,173,379 | 3,876,315 | 10,049,695 |
| 2019 | 5,788,269 | 3,624,108 | 9,412,377 | 6,055,653 | 3,790,733 | 9,846,387 | 6,323,715 | 3,955,999 | 10,279,714 |
| 2020 | 5,839,787 | 3,626,628 | 9,466,415 | 6,172,887 | 3,828,668 | 10,001,555 | 6,503,330 | 4,032,478 | 10,535,808 |
| 2021 | 5,819,925 | 3,630,583 | 9,450,508 | 6,208,873 | 3,867,218 | 10,076,091 | 6,586,298 | 4,246,520 | 10,832,819 |
| 2022 | 5,841,370 | 3,637,537 | 9,478,908 | 6,282,528 | 3,905,972 | 10,188,501 | 6,714,214 | 4,317,280 | 11,031,494 |
| 2023 | 5,866,533 | 3,643,952 | 9,510,485 | 6,358,499 | 3,943,777 | 10,302,276 | 6,840,055 | 4,386,475 | 11,226,530 |
| 2024 | 5,934,115 | 3,652,956 | 9,587,071 | 6,497,514 | 3,982,402 | 10,479,916 | 7,013,300 | 4,452,541 | 11,465,841 |
| 2025 | 5,925,929 | 3,662,780 | 9,588,710 | 6,503,502 | 4,162,130 | 10,665,631 | 7,090,888 | 4,518,606 | 11,609,494 |
| 2026 | 5,959,399 | 3,673,219 | 9,632,618 | 6,581,185 | 4,199,599 | 10,780,785 | 7,211,815 | 4,585,082 | 11,796,897 |
| 2027 | 5,995,196 | 3,684,478 | 9,679,674 | 6,660,740 | 4,236,120 | 10,896,860 | 7,332,782 | 4,648,428 | 11,981,210 |
| 2028 | 6,067,938 | 3,697,712 | 9,765,649 | 6,780,592 | 4,274,614 | 11,055,206 | 7,497,857 | 4,711,774 | 12,209,631 |
| 2029 | 6,070,223 | 3,711,560 | 9,781,783 | 6,815,406 | 4,313,314 | 11,128,720 | 7,568,965 | 4,773,965 | 12,342,930 |
| 2030 | 6,111,405 | 3,727,793 | 9,839,198 | 6,893,988 | 4,352,424 | 11,246,411 | 7,688,262 | 4,835,951 | 12,524,213 |
| 2031 | 6,067,523 | 3,883,770 | 9,951,293 | 6,974,912 | 4,391,943 | 11,366,855 | 7,803,167 | 4,898,552 | 12,701,719 |
| 2032 | 6,231,629 | 3,900,823 | 10,132,451 | 7,100,687 | 4,430,308 | 11,530,996 | 7,983,406 | 4,958,024 | 12,941,430 |
| 2033 | 6,236,452 | 3,918,491 | 10,154,942 | 7,136,249 | 4,469,083 | 11,605,332 | 8,025,857 | 5,160,573 | 13,186,431 |
| 2034 | 6,283,416 | 3,937,928 | 10,221,345 | 7,217,658 | 4,507,858 | 11,725,516 | 8,142,077 | 5,220,660 | 13,362,737 |
| 2035 | 6,334,812 | 3,956,621 | 10,291,433 | 7,300,712 | 4,547,248 | 11,847,960 | 8,258,067 | 5,279,387 | 13,537,454 |
| 2036 | 6,427,695 | 3,976,879 | 10,404,574 | 7,431,591 | 4,587,047 | 12,018,638 | 8,427,447 | 5,339,883 | 13,767,330 |
| 2037 | 6,445,900 | 3,997,956 | 10,443,856 | 7,467,556 | 4,628,822 | 12,096,377 | 8,481,692 | 5,397,660 | 13,879,352 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.08% | -0.04% | 0.03% | 1.30% | 1.04% | 1.20% | 2.44% | 2.06% | 2.29% |
| 2020 | 0.89% | 0.07% | 0.57% | 1.94% | 1.00% | 1.58% | 2.84% | 1.93% | 2.49% |
| 2021 | -0.34% | 0.11% | -0.17% | 0.58% | 1.01% | 0.75% | 1.28% | 5.31% | 2.82% |
| 2022 | 0.37% | 0.19% | 0.30% | 1.19% | 1.00% | 1.12% | 1.94% | 1.67% | 1.83% |
| 2023 | 0.43% | 0.18% | 0.33% | 1.21% | 0.97% | 1.12% | 1.87% | 1.60% | 1.77% |
| 2024 | 1.15% | 0.25% | 0.81% | 2.19% | 0.98% | 1.72% | 2.53% | 1.51% | 2.13% |
| 2025 | -0.14% | 0.27% | 0.02% | 0.09% | 4.51% | 1.77% | 1.11% | 1.48% | 1.25% |
| 2026 | 0.56% | 0.29% | 0.46% | 1.19% | 0.90% | 1.08% | 1.71% | 1.47% | 1.61% |
| 2027 | 0.60% | 0.31% | 0.49% | 1.21% | 0.87% | 1.08% | 1.68% | 1.38% | 1.56% |
| 2028 | 1.21% | 0.36% | 0.89% | 1.80% | 0.91% | 1.45% | 2.25% | 1.36% | 1.91% |
| 2029 | 0.04% | 0.37% | 0.17% | 0.51% | 0.91% | 0.66% | 0.95% | 1.32% | 1.09% |
| 2030 | 0.68% | 0.44% | 0.59% | 1.15% | 0.91% | 1.06% | 1.58% | 1.30% | 1.47% |
| 2031 | -0.72% | 4.18% | 1.14% | 1.17% | 0.91% | 1.07% | 1.49% | 1.29% | 1.42% |
| 2032 | 2.70% | 0.44% | 1.82% | 1.80% | 0.87% | 1.44% | 2.31% | 1.21% | 1.89% |
| 2033 | 0.08% | 0.45% | 0.22% | 0.50% | 0.88% | 0.64% | 0.53% | 4.09% | 1.89% |
| 2034 | 0.75% | 0.50% | 0.65% | 1.14% | 0.87% | 1.04% | 1.45% | 1.16% | 1.34% |
| 2035 | 0.82% | 0.47% | 0.69% | 1.15% | 0.87% | 1.04% | 1.42% | 1.12% | 1.31% |
| 2036 | 1.47% | 0.51% | 1.10% | 1.79% | 0.88% | 1.44% | 2.05% | 1.15% | 1.70% |
| 2037 | 0.28% | 0.53% | 0.38% | 0.48% | 0.91% | 0.65% | 0.64% | 1.08% | 0.81% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 9,933 | 72,829 | 82,762 | 10,278 | 73,752 | 84,030 | 10,620 | 74,690 | 85,310 |
| 2019 | 9,929 | 73,863 | 83,792 | 10,386 | 74,690 | 85,076 | 10,838 | 75,533 | 86,371 |
| 2020 | 9,936 | 74,876 | 84,812 | 10,490 | 75,622 | 86,112 | 11,048 | 76,375 | 87,423 |
| 2021 | 9,947 | 75,858 | 85,805 | 10,595 | 76,525 | 87,120 | 11,634 | 76,812 | 88,446 |
| 2022 | 9,966 | 76,844 | 86,810 | 10,701 | 77,439 | 88,140 | 11,828 | 77,654 | 89,482 |
| 2023 | 9,983 | 77,855 | 87,838 | 10,805 | 78,380 | 89,185 | 12,018 | 78,525 | 90,543 |
| 2024 | 10,008 | 78,865 | 88,873 | 10,911 | 79,325 | 90,235 | 12,199 | 79,411 | 91,609 |
| 2025 | 10,035 | 80,636 | 90,671 | 11,403 | 80,658 | 92,061 | 12,380 | 81,083 | 93,462 |
| 2026 | 10,064 | 81,633 | 91,696 | 11,506 | 81,596 | 93,102 | 12,562 | 81,957 | 94,519 |
| 2027 | 10,094 | 82,639 | 92,734 | 11,606 | 82,549 | 94,155 | 12,735 | 82,853 | 95,589 |
| 2028 | 10,131 | 83,625 | 93,755 | 11,711 | 83,481 | 95,192 | 12,909 | 83,733 | 96,642 |
| 2029 | 10,169 | 84,648 | 94,817 | 11,817 | 84,452 | 96,270 | 13,079 | 84,656 | 97,736 |
| 2030 | 10,213 | 85,637 | 95,850 | 11,924 | 85,395 | 97,319 | 13,249 | 85,552 | 98,801 |
| 2031 | 10,640 | 86,295 | 96,935 | 12,033 | 86,388 | 98,421 | 13,421 | 86,499 | 99,920 |
| 2032 | 10,687 | 87,312 | 97,999 | 12,138 | 87,363 | 99,501 | 13,584 | 87,433 | 101,016 |
| 2033 | 10,736 | 88,367 | 99,102 | 12,244 | 88,377 | 100,621 | 14,139 | 88,015 | 102,153 |
| 2034 | 10,789 | 89,362 | 100,150 | 12,350 | 89,335 | 101,685 | 14,303 | 88,931 | 103,234 |
| 2035 | 10,840 | 90,404 | 101,244 | 12,458 | 90,337 | 102,796 | 14,464 | 89,897 | 104,361 |
| 2036 | 10,896 | 91,481 | 102,377 | 12,567 | 91,379 | 103,946 | 14,630 | 90,899 | 105,529 |
| 2037 | 10,953 | 92,535 | 103,488 | 12,682 | 92,393 | 105,074 | 14,788 | 91,886 | 106,674 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.04% | 1.42% | 1.24% | 1.04% | 1.27% | 1.24% | 2.06% | 1.13% | 1.24% |
| 2020 | 0.07% | 1.37% | 1.22% | 1.00% | 1.25% | 1.22% | 1.93% | 1.12% | 1.22% |
| 2021 | 0.11% | 1.31% | 1.17% | 1.01% | 1.19% | 1.17% | 5.31% | 0.57% | 1.17% |
| 2022 | 0.19% | 1.30% | 1.17% | 1.00% | 1.19% | 1.17% | 1.67% | 1.10% | 1.17% |
| 2023 | 0.18% | 1.32% | 1.19% | 0.97% | 1.22% | 1.19% | 1.60% | 1.12% | 1.19% |
| 2024 | 0.25% | 1.30% | 1.18% | 0.98% | 1.21% | 1.18% | 1.51% | 1.13% | 1.18% |
| 2025 | 0.27% | 2.25% | 2.02% | 4.51% | 1.68% | 2.02% | 1.48% | 2.11% | 2.02% |
| 2026 | 0.29% | 1.24% | 1.13% | 0.90% | 1.16% | 1.13% | 1.47% | 1.08% | 1.13% |
| 2027 | 0.31% | 1.23% | 1.13% | 0.87% | 1.17% | 1.13% | 1.38% | 1.09% | 1.13% |
| 2028 | 0.36% | 1.19% | 1.10% | 0.91% | 1.13% | 1.10% | 1.36% | 1.06% | 1.10% |
| 2029 | 0.37% | 1.22% | 1.13% | 0.91% | 1.16% | 1.13% | 1.32% | 1.10% | 1.13% |
| 2030 | 0.44% | 1.17% | 1.09% | 0.91% | 1.12% | 1.09% | 1.30% | 1.06% | 1.09% |
| 2031 | 4.18% | 0.77% | 1.13% | 0.91% | 1.16% | 1.13% | 1.29% | 1.11% | 1.13% |
| 2032 | 0.44% | 1.18% | 1.10% | 0.87% | 1.13% | 1.10% | 1.21% | 1.08% | 1.10% |
| 2033 | 0.45% | 1.21% | 1.13% | 0.88% | 1.16% | 1.13% | 4.09% | 0.67% | 1.13% |
| 2034 | 0.50% | 1.13% | 1.06% | 0.87% | 1.08% | 1.06% | 1.16% | 1.04% | 1.06% |
| 2035 | 0.47% | 1.17% | 1.09% | 0.87% | 1.12% | 1.09% | 1.12% | 1.09% | 1.09% |
| 2036 | 0.51% | 1.19% | 1.12% | 0.88% | 1.15% | 1.12% | 1.15% | 1.11% | 1.12% |
| 2037 | 0.53% | 1.15% | 1.09% | 0.91% | 1.11% | 1.09% | 1.08% | 1.09% | 1.09% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 5,338,009 | 4,071,104 | 9,409,113 | 5,460,718 | 4,268,632 | 9,729,350 | 5,583,538 | 4,466,157 | 10,049,695 |
| 2019 | 5,381,672 | 4,030,705 | 9,412,377 | 5,541,394 | 4,304,993 | 9,846,387 | 5,701,190 | 4,578,525 | 10,279,714 |
| 2020 | 5,456,699 | 4,009,717 | 9,466,415 | 5,646,984 | 4,354,571 | 10,001,555 | 5,837,286 | 4,698,522 | 10,535,808 |
| 2021 | 5,492,121 | 3,958,386 | 9,450,508 | 5,707,389 | 4,368,702 | 10,076,091 | 5,922,766 | 4,910,053 | 10,832,819 |
| 2022 | 5,554,156 | 3,924,752 | 9,478,908 | 5,792,226 | 4,396,275 | 10,188,501 | 6,030,265 | 5,001,229 | 11,031,494 |
| 2023 | 5,620,302 | 3,890,183 | 9,510,485 | 5,879,234 | 4,423,042 | 10,302,276 | 6,138,209 | 5,088,321 | 11,226,530 |
| 2024 | 5,713,757 | 3,873,314 | 9,587,071 | 5,993,202 | 4,486,713 | 10,479,916 | 6,272,618 | 5,193,223 | 11,465,841 |
| 2025 | 5,761,818 | 3,826,891 | 9,588,710 | 6,058,012 | 4,607,619 | 10,665,631 | 6,354,447 | 5,255,047 | 11,609,494 |
| 2026 | 5,835,913 | 3,796,705 | 9,632,618 | 6,149,216 | 4,631,568 | 10,780,785 | 6,462,834 | 5,334,063 | 11,796,897 |
| 2027 | 5,912,374 | 3,767,300 | 9,679,674 | 6,241,850 | 4,655,010 | 10,896,860 | 6,571,361 | 5,409,849 | 11,981,210 |
| 2028 | 6,014,402 | 3,751,247 | 9,765,649 | 6,360,772 | 4,694,434 | 11,055,206 | 6,706,830 | 5,502,801 | 12,209,631 |
| 2029 | 6,071,004 | 3,710,779 | 9,781,783 | 6,430,832 | 4,697,888 | 11,128,720 | 6,790,487 | 5,552,443 | 12,342,930 |
| 2030 | 6,153,316 | 3,685,882 | 9,839,198 | 6,527,008 | 4,719,404 | 11,246,411 | 6,900,849 | 5,623,365 | 12,524,213 |
| 2031 | 6,237,178 | 3,714,115 | 9,951,293 | 6,624,567 | 4,742,289 | 11,366,855 | 7,011,937 | 5,689,782 | 12,701,719 |
| 2032 | 6,348,839 | 3,783,613 | 10,132,451 | 6,751,166 | 4,779,829 | 11,530,996 | 7,153,393 | 5,788,037 | 12,941,430 |
| 2033 | 6,409,043 | 3,745,900 | 10,154,942 | 6,822,387 | 4,782,944 | 11,605,332 | 7,235,524 | 5,950,907 | 13,186,431 |
| 2034 | 6,497,642 | 3,723,702 | 10,221,345 | 6,923,154 | 4,802,362 | 11,725,516 | 7,348,938 | 6,013,799 | 13,362,737 |
| 2035 | 6,588,240 | 3,703,193 | 10,291,433 | 7,026,020 | 4,821,939 | 11,847,960 | 7,463,718 | 6,073,736 | 13,537,454 |
| 2036 | 6,707,602 | 3,696,972 | 10,404,574 | 7,158,753 | 4,859,885 | 12,018,638 | 7,610,199 | 6,157,131 | 13,767,330 |
| 2037 | 6,779,903 | 3,663,953 | 10,443,856 | 7,233,520 | 4,862,857 | 12,096,377 | 7,687,303 | 6,192,049 | 13,879,352 |

Annual Change

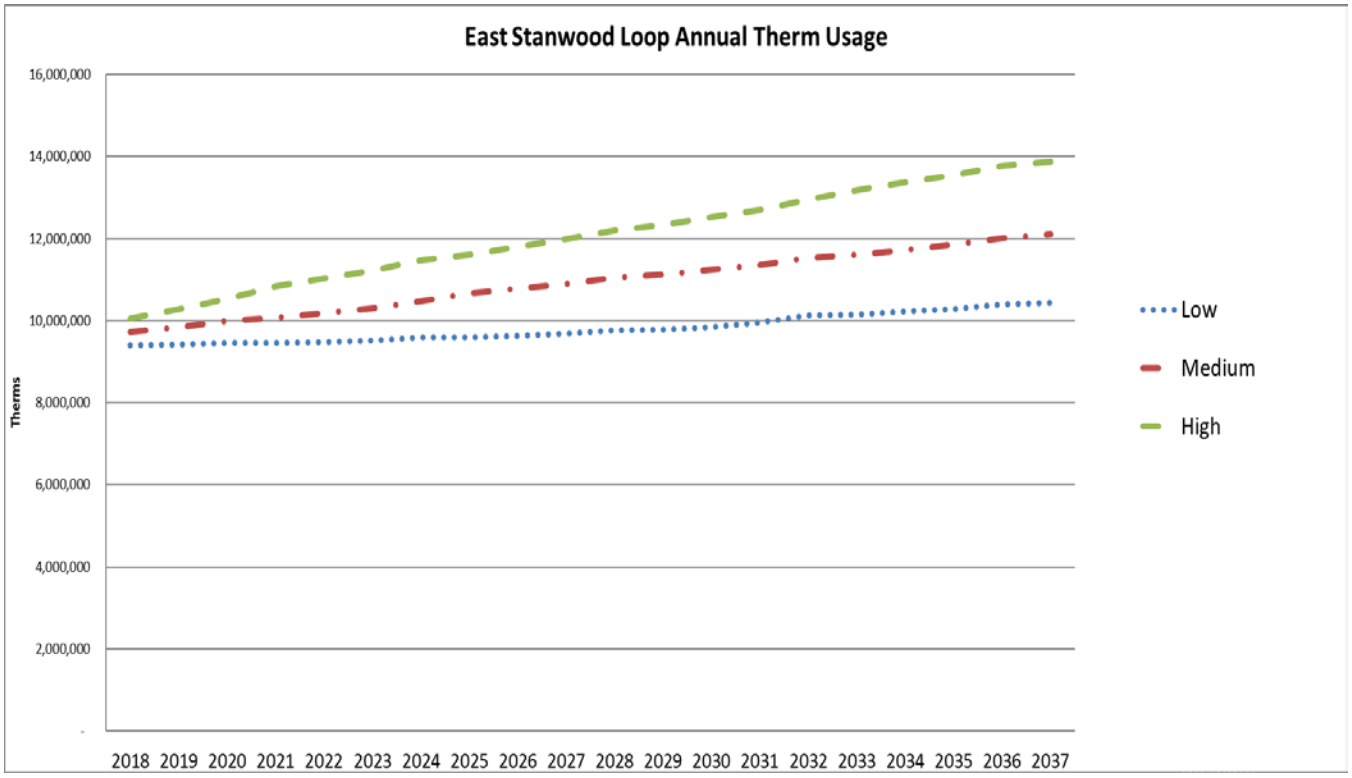
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.82% | -0.99% | 0.03% | 1.48% | 0.85% | 1.20% | 2.11% | 2.52% | 2.29% |
| 2020 | 1.39% | -0.52% | 0.57% | 1.91% | 1.15% | 1.58% | 2.39% | 2.62% | 2.49% |
| 2021 | 0.65% | -1.28% | -0.17% | 1.07% | 0.32% | 0.75% | 1.46% | 4.50% | 2.82% |
| 2022 | 1.13% | -0.85% | 0.30% | 1.49% | 0.63% | 1.12% | 1.82% | 1.86% | 1.83% |
| 2023 | 1.19% | -0.88% | 0.33% | 1.50% | 0.61% | 1.12% | 1.79% | 1.74% | 1.77% |
| 2024 | 1.66% | -0.43% | 0.81% | 1.94% | 1.44% | 1.72% | 2.19% | 2.06% | 2.13% |
| 2025 | 0.84% | -1.20% | 0.02% | 1.08% | 2.69% | 1.77% | 1.30% | 1.19% | 1.25% |
| 2026 | 1.29% | -0.79% | 0.46% | 1.51% | 0.52% | 1.08% | 1.71% | 1.50% | 1.61% |
| 2027 | 1.31% | -0.77% | 0.49% | 1.51% | 0.51% | 1.08% | 1.68% | 1.42% | 1.56% |
| 2028 | 1.73% | -0.43% | 0.89% | 1.91% | 0.85% | 1.45% | 2.06% | 1.72% | 1.91% |
| 2029 | 0.94% | -1.08% | 0.17% | 1.10% | 0.07% | 0.66% | 1.25% | 0.90% | 1.09% |
| 2030 | 1.36% | -0.67% | 0.59% | 1.50% | 0.46% | 1.06% | 1.63% | 1.28% | 1.47% |
| 2031 | 1.36% | 0.77% | 1.14% | 1.49% | 0.48% | 1.07% | 1.61% | 1.18% | 1.42% |
| 2032 | 1.79% | 1.87% | 1.82% | 1.91% | 0.79% | 1.44% | 2.02% | 1.73% | 1.89% |
| 2033 | 0.95% | -1.00% | 0.22% | 1.05% | 0.07% | 0.64% | 1.15% | 2.81% | 1.89% |
| 2034 | 1.38% | -0.59% | 0.65% | 1.48% | 0.41% | 1.04% | 1.57% | 1.06% | 1.34% |
| 2035 | 1.39% | -0.55% | 0.69% | 1.49% | 0.41% | 1.04% | 1.56% | 1.00% | 1.31% |
| 2036 | 1.81% | -0.17% | 1.10% | 1.89% | 0.79% | 1.44% | 1.96% | 1.37% | 1.70% |
| 2037 | 1.08% | -0.89% | 0.38% | 1.04% | 0.06% | 0.65% | 1.01% | 0.57% | 0.81% |

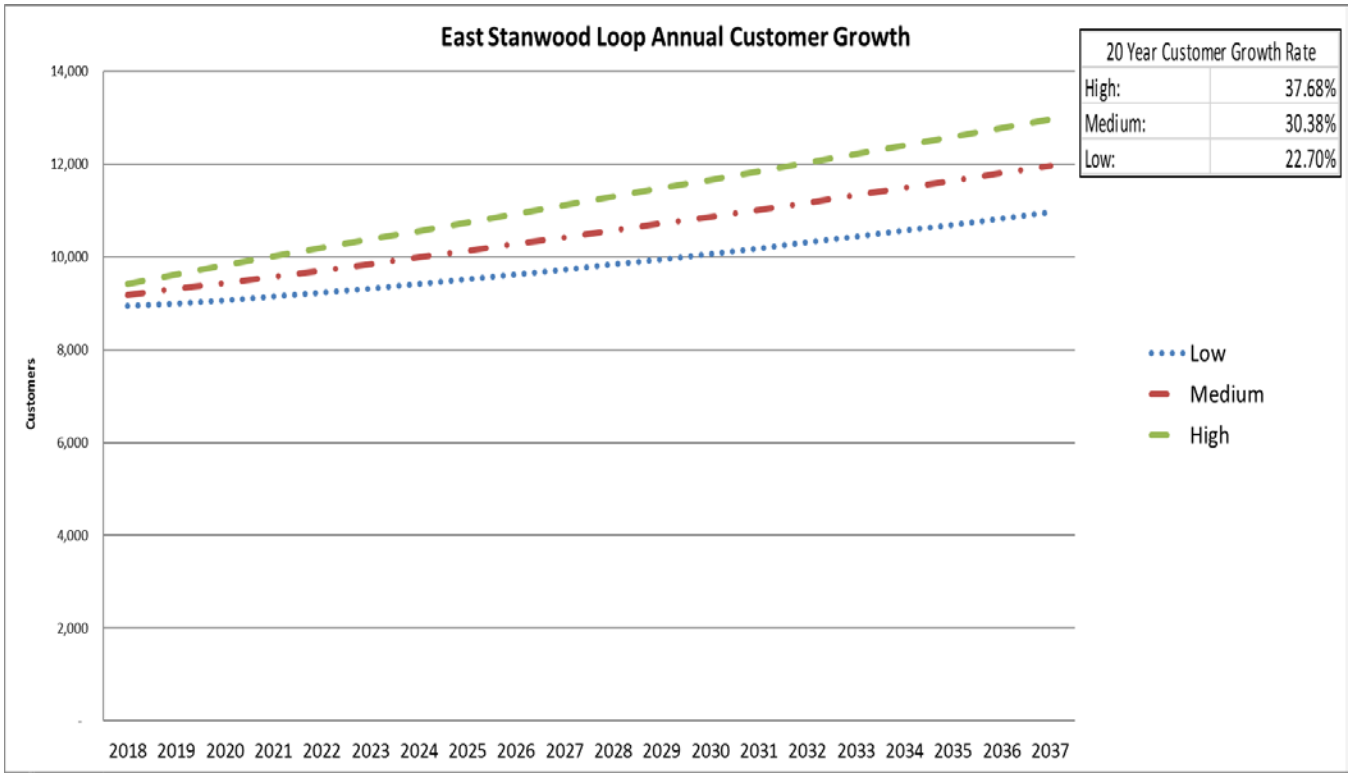
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 8,022 | 918 | 8,940 | 8,209 | 970 | 9,179 | 8,395 | 1,022 | 9,417 |
| 2019 | 8,088 | 908 | 8,996 | 8,330 | 980 | 9,309 | 8,572 | 1,051 | 9,622 |
| 2020 | 8,167 | 899 | 9,066 | 8,454 | 988 | 9,442 | 8,740 | 1,077 | 9,817 |
| 2021 | 8,255 | 890 | 9,144 | 8,580 | 996 | 9,576 | 8,905 | 1,103 | 10,008 |
| 2022 | 8,349 | 881 | 9,230 | 8,708 | 1,003 | 9,712 | 9,067 | 1,127 | 10,194 |
| 2023 | 8,449 | 872 | 9,321 | 8,839 | 1,010 | 9,849 | 9,230 | 1,149 | 10,379 |
| 2024 | 8,553 | 864 | 9,417 | 8,972 | 1,017 | 9,990 | 9,392 | 1,171 | 10,563 |
| 2025 | 8,661 | 856 | 9,517 | 9,107 | 1,025 | 10,132 | 9,554 | 1,192 | 10,746 |
| 2026 | 8,773 | 848 | 9,621 | 9,245 | 1,031 | 10,275 | 9,717 | 1,213 | 10,930 |
| 2027 | 8,888 | 840 | 9,728 | 9,384 | 1,037 | 10,421 | 9,880 | 1,232 | 11,113 |
| 2028 | 9,006 | 833 | 9,838 | 9,525 | 1,043 | 10,568 | 10,044 | 1,251 | 11,296 |
| 2029 | 9,127 | 826 | 9,952 | 9,668 | 1,048 | 10,716 | 10,210 | 1,269 | 11,479 |
| 2030 | 9,250 | 819 | 10,070 | 9,813 | 1,054 | 10,867 | 10,376 | 1,287 | 11,663 |
| 2031 | 9,377 | 813 | 10,190 | 9,960 | 1,059 | 11,019 | 10,543 | 1,305 | 11,848 |
| 2032 | 9,505 | 807 | 10,313 | 10,108 | 1,064 | 11,173 | 10,711 | 1,322 | 12,033 |
| 2033 | 9,636 | 801 | 10,438 | 10,259 | 1,070 | 11,329 | 10,881 | 1,339 | 12,220 |
| 2034 | 9,770 | 796 | 10,565 | 10,410 | 1,075 | 11,485 | 11,051 | 1,355 | 12,406 |
| 2035 | 9,905 | 790 | 10,695 | 10,564 | 1,080 | 11,644 | 11,223 | 1,371 | 12,593 |
| 2036 | 10,043 | 785 | 10,828 | 10,719 | 1,085 | 11,804 | 11,396 | 1,386 | 12,782 |
| 2037 | 10,189 | 780 | 10,969 | 10,876 | 1,091 | 11,967 | 11,564 | 1,401 | 12,965 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.83% | -1.11% | 0.63% | 1.48% | 0.97% | 1.42% | 2.10% | 2.82% | 2.18% |
| 2020 | 0.98% | -1.03% | 0.78% | 1.49% | 0.88% | 1.42% | 1.96% | 2.52% | 2.02% |
| 2021 | 1.07% | -1.03% | 0.86% | 1.49% | 0.80% | 1.42% | 1.89% | 2.41% | 1.94% |
| 2022 | 1.14% | -0.96% | 0.94% | 1.50% | 0.73% | 1.42% | 1.83% | 2.15% | 1.86% |
| 2023 | 1.19% | -1.00% | 0.98% | 1.50% | 0.71% | 1.42% | 1.79% | 2.00% | 1.81% |
| 2024 | 1.23% | -0.95% | 1.03% | 1.51% | 0.68% | 1.42% | 1.76% | 1.89% | 1.77% |
| 2025 | 1.26% | -0.95% | 1.06% | 1.51% | 0.71% | 1.42% | 1.73% | 1.80% | 1.73% |
| 2026 | 1.29% | -0.92% | 1.09% | 1.51% | 0.60% | 1.41% | 1.71% | 1.72% | 1.71% |
| 2027 | 1.31% | -0.89% | 1.12% | 1.51% | 0.59% | 1.42% | 1.68% | 1.61% | 1.67% |
| 2028 | 1.33% | -0.91% | 1.13% | 1.51% | 0.57% | 1.41% | 1.66% | 1.54% | 1.65% |
| 2029 | 1.34% | -0.84% | 1.16% | 1.50% | 0.50% | 1.40% | 1.65% | 1.44% | 1.62% |
| 2030 | 1.36% | -0.77% | 1.18% | 1.50% | 0.54% | 1.41% | 1.63% | 1.43% | 1.60% |
| 2031 | 1.36% | -0.77% | 1.19% | 1.50% | 0.55% | 1.40% | 1.61% | 1.35% | 1.58% |
| 2032 | 1.37% | -0.68% | 1.21% | 1.49% | 0.48% | 1.39% | 1.60% | 1.29% | 1.56% |
| 2033 | 1.38% | -0.74% | 1.21% | 1.49% | 0.52% | 1.40% | 1.58% | 1.31% | 1.55% |
| 2034 | 1.38% | -0.71% | 1.22% | 1.48% | 0.47% | 1.38% | 1.57% | 1.21% | 1.53% |
| 2035 | 1.39% | -0.68% | 1.23% | 1.48% | 0.46% | 1.38% | 1.55% | 1.14% | 1.51% |
| 2036 | 1.39% | -0.64% | 1.24% | 1.47% | 0.46% | 1.38% | 1.54% | 1.12% | 1.50% |
| 2037 | 1.45% | -0.64% | 1.30% | 1.47% | 0.51% | 1.38% | 1.48% | 1.09% | 1.44% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 37.68% |
| Medium: | 30.38% |
| Low: | 22.70% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

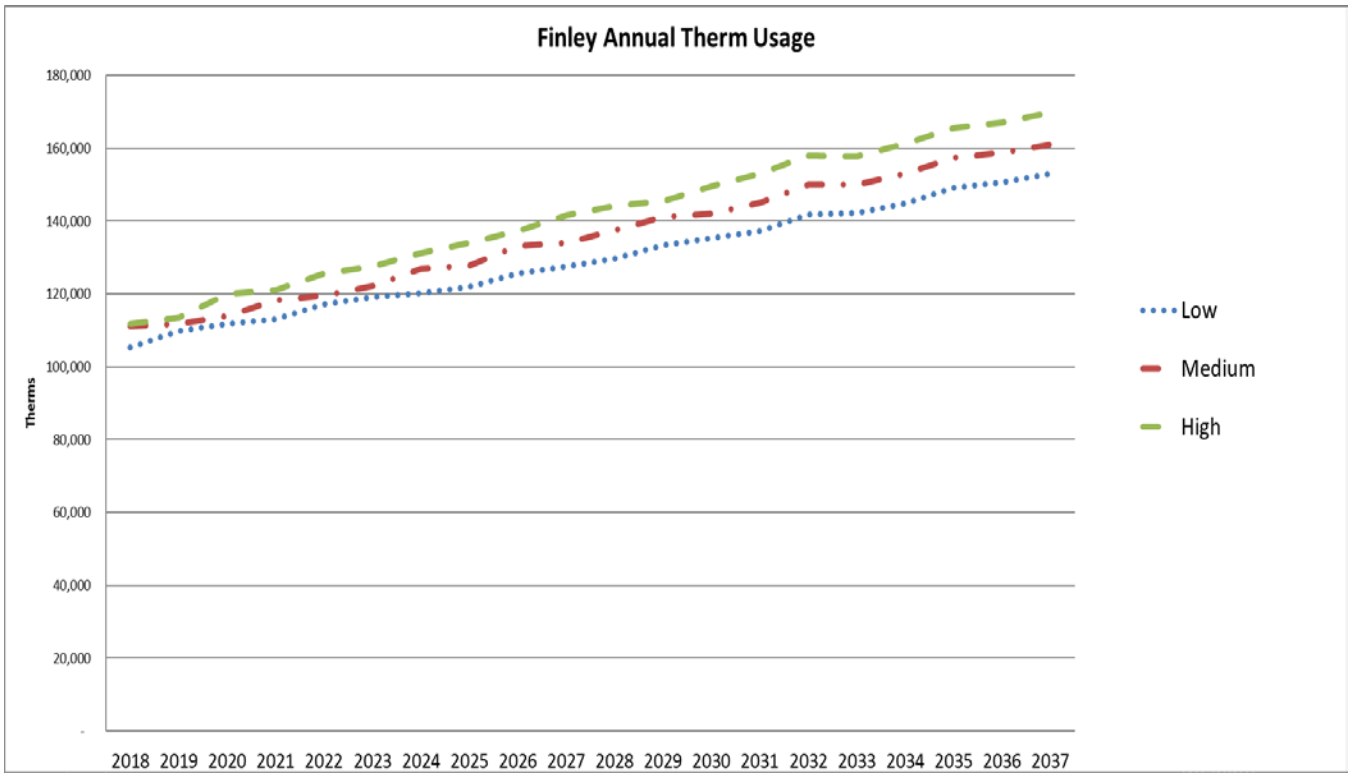
## Finley

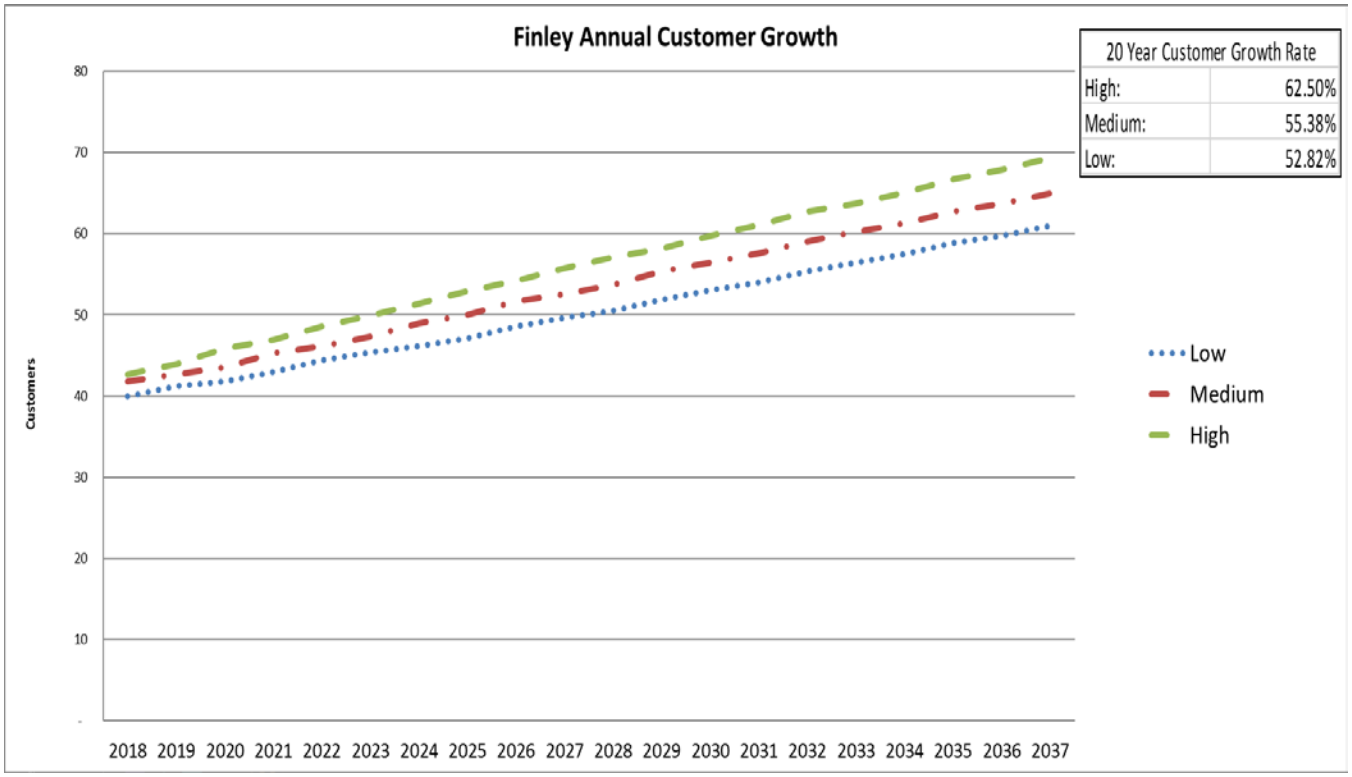
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 89,015 | 16,416 | 105,431 | 93,642 | 17,549 | 111,191 | 94,173 | 17,549 | 111,721 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 92,393 | 17,408 | 109,800 | 94,174 | 17,549 | 111,723 | 95,758 | 17,830 | 113,588 | 3.79% | 6.04% | 4.14% | 0.57% | 0.00% | 0.48% | 1.68% | 1.60% | 1.67% |
| 2020 | 94,158 | 17,549 | 111,707 | 96,278 | 17,689 | 113,967 | 100,935 | 18,963 | 119,898 | 1.91% | 0.81% | 1.74% | 2.23% | 0.80% | 2.01% | 5.41% | 6.35% | 5.56% |
| 2021 | 95,345 | 17,689 | 113,034 | 99,546 | 18,822 | 118,369 | 102,085 | 19,104 | 121,189 | 1.26% | 0.80% | 1.19% | 3.40% | 6.40% | 3.86% | 1.14% | 0.74% | 1.08% |
| 2022 | 99,589 | 17,689 | 117,278 | 100,694 | 18,963 | 119,657 | 105,292 | 20,237 | 125,529 | 4.45% | 0.00% | 3.75% | 1.15% | 0.75% | 1.09% | 3.14% | 5.93% | 3.58% |
| 2023 | 100,353 | 18,822 | 119,175 | 103,118 | 19,104 | 122,221 | 107,190 | 20,377 | 127,567 | 0.77% | 6.40% | 1.62% | 2.41% | 0.74% | 2.14% | 1.80% | 0.70% | 1.62% |
| 2024 | 101,276 | 18,963 | 120,239 | 106,739 | 20,237 | 126,975 | 110,715 | 20,518 | 131,233 | 0.92% | 0.75% | 0.89% | 3.51% | 5.93% | 3.89% | 3.29% | 0.69% | 2.87% |
| 2025 | 102,870 | 19,104 | 121,974 | 107,405 | 20,377 | 127,783 | 112,481 | 21,651 | 134,132 | 1.57% | 0.74% | 1.44% | 0.62% | 0.70% | 0.64% | 1.60% | 5.52% | 2.21% |
| 2026 | 105,591 | 20,096 | 125,687 | 112,740 | 20,518 | 133,259 | 115,430 | 21,792 | 137,222 | 2.64% | 5.19% | 3.04% | 4.97% | 0.69% | 4.29% | 2.62% | 0.65% | 2.30% |
| 2027 | 107,240 | 20,237 | 127,476 | 112,414 | 21,510 | 133,924 | 119,576 | 21,933 | 141,508 | 1.56% | 0.70% | 1.42% | -0.29% | 4.83% | 0.50% | 3.59% | 0.65% | 3.12% |
| 2028 | 109,346 | 20,377 | 129,723 | 115,818 | 21,651 | 137,469 | 121,057 | 23,065 | 144,122 | 1.96% | 0.70% | 1.76% | 3.03% | 0.65% | 2.65% | 1.24% | 5.16% | 1.85% |
| 2029 | 112,894 | 20,518 | 133,412 | 119,409 | 21,792 | 141,200 | 122,163 | 23,206 | 145,370 | 3.24% | 0.69% | 2.84% | 3.10% | 0.65% | 2.71% | 0.91% | 0.61% | 0.87% |
| 2030 | 113,728 | 21,651 | 135,379 | 118,986 | 22,925 | 141,911 | 126,316 | 23,347 | 149,663 | 0.74% | 5.52% | 1.47% | -0.35% | 5.20% | 0.50% | 3.40% | 0.61% | 2.95% |
| 2031 | 115,546 | 21,651 | 137,197 | 121,904 | 23,065 | 144,969 | 128,624 | 24,339 | 152,963 | 1.60% | 0.00% | 1.34% | 2.45% | 0.61% | 2.16% | 1.83% | 4.25% | 2.21% |
| 2032 | 120,067 | 21,792 | 141,859 | 126,728 | 23,206 | 149,934 | 133,560 | 24,480 | 158,040 | 3.91% | 0.65% | 3.40% | 3.96% | 0.61% | 3.42% | 3.84% | 0.58% | 3.32% |
| 2033 | 119,329 | 22,925 | 142,253 | 125,641 | 24,339 | 149,980 | 133,191 | 24,621 | 157,811 | -0.62% | 5.20% | 0.28% | -0.86% | 4.88% | 0.03% | -0.28% | 0.58% | -0.14% |
| 2034 | 121,849 | 23,065 | 144,915 | 128,513 | 24,480 | 152,993 | 135,367 | 25,753 | 161,120 | 2.11% | 0.61% | 1.87% | 2.29% | 0.58% | 2.01% | 1.63% | 4.60% | 2.10% |
| 2035 | 125,959 | 23,206 | 149,165 | 132,827 | 24,480 | 157,307 | 139,554 | 25,894 | 165,448 | 3.37% | 0.61% | 2.93% | 3.36% | 0.00% | 2.82% | 3.09% | 0.55% | 2.69% |
| 2036 | 126,356 | 24,198 | 150,554 | 133,133 | 25,613 | 158,745 | 139,971 | 27,027 | 166,998 | 0.32% | 4.27% | 0.93% | 0.23% | 4.63% | 0.91% | 0.30% | 4.37% | 0.94% |
| 2037 | 128,610 | 24,339 | 152,949 | 135,350 | 25,753 | 161,104 | 142,586 | 27,168 | 169,754 | 1.78% | 0.58% | 1.59% | 1.67% | 0.55% | 1.49% | 1.87% | 0.52% | 1.65% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 45 | 1,354 | 1,399 | 48 | 1,372 | 1,420 | 48 | 1,394 | 1,442 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 48 | 1,358 | 1,406 | 48 | 1,379 | 1,427 | 49 | 1,400 | 1,449 | 6.04% | 0.30% | 0.48% | 0.00% | 0.50% | 0.48% | 1.60% | 0.44% | 0.48% |
| 2020 | 48 | 1,364 | 1,412 | 48 | 1,385 | 1,434 | 52 | 1,404 | 1,456 | 0.81% | 0.47% | 0.48% | 0.80% | 0.47% | 0.48% | 6.35% | 0.27% | 0.48% |
| 2021 | 48 | 1,457 | 1,506 | 52 | 1,477 | 1,529 | 52 | 1,500 | 1,552 | 0.80% | 6.84% | 6.63% | 6.40% | 6.64% | 6.63% | 0.74% | 6.85% | 6.63% |
| 2022 | 48 | 1,457 | 1,506 | 52 | 1,477 | 1,529 | 55 | 1,497 | 1,552 | 0.00% | 0.00% | 0.00% | 0.75% | -0.03% | 0.00% | 5.93% | -0.21% | 0.00% |
| 2023 | 52 | 1,461 | 1,513 | 52 | 1,483 | 1,536 | 56 | 1,503 | 1,559 | 6.40% | 0.25% | 0.45% | 0.74% | 0.44% | 0.45% | 0.70% | 0.44% | 0.45% |
| 2024 | 52 | 1,554 | 1,606 | 55 | 1,575 | 1,631 | 56 | 1,600 | 1,656 | 0.75% | 6.39% | 6.19% | 5.93% | 6.20% | 6.19% | 0.69% | 6.40% | 6.19% |
| 2025 | 52 | 1,561 | 1,613 | 56 | 1,582 | 1,638 | 59 | 1,603 | 1,663 | 0.74% | 0.41% | 0.42% | 0.70% | 0.41% | 0.42% | 5.52% | 0.24% | 0.42% |
| 2026 | 55 | 1,565 | 1,620 | 56 | 1,588 | 1,645 | 60 | 1,610 | 1,670 | 5.19% | 0.26% | 0.42% | 0.69% | 0.41% | 0.42% | 0.65% | 0.41% | 0.42% |
| 2027 | 55 | 1,658 | 1,713 | 59 | 1,681 | 1,740 | 60 | 1,706 | 1,766 | 0.70% | 5.96% | 5.78% | 4.83% | 5.82% | 5.78% | 0.65% | 5.97% | 5.78% |
| 2028 | 56 | 1,664 | 1,720 | 59 | 1,687 | 1,747 | 63 | 1,710 | 1,773 | 0.70% | 0.38% | 0.39% | 0.65% | 0.38% | 0.39% | 5.16% | 0.22% | 0.39% |
| 2029 | 56 | 1,671 | 1,727 | 60 | 1,694 | 1,753 | 64 | 1,716 | 1,780 | 0.69% | 0.38% | 0.39% | 0.65% | 0.38% | 0.39% | 0.61% | 0.38% | 0.39% |
| 2030 | 59 | 1,674 | 1,734 | 63 | 1,697 | 1,760 | 64 | 1,723 | 1,787 | 5.52% | 0.22% | 0.39% | 5.20% | 0.22% | 0.39% | 0.61% | 0.38% | 0.39% |
| 2031 | 59 | 1,768 | 1,827 | 63 | 1,792 | 1,855 | 67 | 1,817 | 1,884 | 0.00% | 5.60% | 5.40% | 0.61% | 5.58% | 5.40% | 4.25% | 5.45% | 5.40% |
| 2032 | 60 | 1,768 | 1,827 | 64 | 1,792 | 1,855 | 67 | 1,816 | 1,884 | 0.65% | -0.02% | 0.00% | 0.61% | -0.02% | 0.00% | 0.58% | -0.02% | 0.00% |
| 2033 | 63 | 1,771 | 1,834 | 67 | 1,795 | 1,862 | 67 | 1,823 | 1,890 | 5.20% | 0.20% | 0.37% | 4.88% | 0.21% | 0.37% | 0.58% | 0.36% | 0.37% |
| 2034 | 63 | 1,864 | 1,928 | 67 | 1,890 | 1,957 | 71 | 1,916 | 1,987 | 0.61% | 5.27% | 5.11% | 0.58% | 5.28% | 5.11% | 4.60% | 5.13% | 5.11% |
| 2035 | 64 | 1,871 | 1,934 | 67 | 1,897 | 1,964 | 71 | 1,923 | 1,994 | 0.61% | 0.34% | 0.35% | 0.00% | 0.36% | 0.35% | 0.55% | 0.34% | 0.35% |
| 2036 | 66 | 1,875 | 1,941 | 70 | 1,901 | 1,971 | 74 | 1,927 | 2,001 | 4.27% | 0.21% | 0.35% | 4.63% | 0.20% | 0.35% | 4.37% | 0.20% | 0.35% |
| 2037 | 67 | 1,968 | 2,035 | 71 | 1,995 | 2,066 | 74 | 2,023 | 2,097 | 0.58% | 4.98% | 4.83% | 0.55% | 4.98% | 4.83% | 0.52% | 4.99% | 4.83% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 14,801 | 90,629 | 105,431 | 15,357 | 95,834 | 111,191 | 15,887 | 95,834 | 111,721 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 15,216 | 94,585 | 109,800 | 15,888 | 95,835 | 111,723 | 16,469 | 97,119 | 113,588 | 2.80% | 4.36% | 4.14% | 3.45% | 0.00% | 0.48% | 3.66% | 1.34% | 1.67% |
| 2020 | 15,429 | 96,277 | 111,707 | 16,404 | 97,563 | 113,967 | 17,104 | 102,794 | 119,898 | 1.40% | 1.79% | 1.74% | 3.25% | 1.80% | 2.01% | 3.86% | 5.84% | 5.56% |
| 2021 | 15,913 | 97,121 | 113,034 | 16,883 | 101,485 | 118,369 | 17,581 | 103,608 | 121,189 | 3.14% | 0.88% | 1.19% | 2.92% | 4.02% | 3.86% | 2.79% | 0.79% | 1.08% |
| 2022 | 16,453 | 100,825 | 117,278 | 17,361 | 102,296 | 119,657 | 18,132 | 107,397 | 125,529 | 3.39% | 3.81% | 3.75% | 2.83% | 0.80% | 1.09% | 3.13% | 3.66% | 3.58% |
| 2023 | 16,879 | 102,296 | 119,175 | 17,855 | 104,367 | 122,221 | 18,785 | 108,782 | 127,567 | 2.59% | 1.46% | 1.62% | 2.84% | 2.02% | 2.14% | 3.60% | 1.29% | 1.62% |
| 2024 | 17,447 | 102,792 | 120,239 | 18,502 | 108,473 | 126,975 | 19,619 | 111,614 | 131,233 | 3.37% | 0.48% | 0.89% | 3.63% | 3.93% | 3.89% | 4.44% | 2.60% | 2.87% |
| 2025 | 17,581 | 104,393 | 121,974 | 18,972 | 108,811 | 127,783 | 20,083 | 114,049 | 134,132 | 0.77% | 1.56% | 1.44% | 2.54% | 0.31% | 0.64% | 2.37% | 2.18% | 2.21% |
| 2026 | 18,125 | 107,562 | 125,687 | 19,429 | 113,830 | 133,259 | 20,639 | 116,583 | 137,222 | 3.09% | 3.04% | 3.04% | 2.41% | 4.61% | 4.29% | 2.77% | 2.22% | 2.30% |
| 2027 | 18,667 | 108,809 | 127,476 | 19,877 | 114,047 | 133,924 | 21,194 | 120,314 | 141,508 | 2.99% | 1.16% | 1.42% | 2.31% | 0.19% | 0.50% | 2.69% | 3.20% | 3.12% |
| 2028 | 19,186 | 110,537 | 129,723 | 20,418 | 117,051 | 137,469 | 21,841 | 122,282 | 144,122 | 2.78% | 1.59% | 1.76% | 2.72% | 2.63% | 2.65% | 3.05% | 1.64% | 1.85% |
| 2029 | 19,588 | 113,824 | 133,412 | 20,890 | 120,311 | 141,200 | 22,305 | 123,064 | 145,370 | 2.10% | 2.97% | 2.84% | 2.31% | 2.79% | 2.71% | 2.13% | 0.64% | 0.87% |
| 2030 | 20,083 | 115,296 | 135,379 | 21,378 | 120,533 | 141,911 | 22,862 | 126,801 | 149,663 | 2.53% | 1.29% | 1.47% | 2.34% | 0.18% | 0.50% | 2.49% | 3.04% | 2.95% |
| 2031 | 20,613 | 116,583 | 137,197 | 21,899 | 123,070 | 144,969 | 23,406 | 129,557 | 152,963 | 2.64% | 1.12% | 1.34% | 2.44% | 2.11% | 2.16% | 2.38% | 2.17% | 2.21% |
| 2032 | 20,987 | 120,872 | 141,859 | 22,546 | 127,388 | 149,934 | 24,135 | 133,905 | 158,040 | 1.81% | 3.68% | 3.40% | 2.95% | 3.51% | 3.42% | 3.12% | 3.36% | 3.32% |
| 2033 | 21,337 | 120,916 | 142,253 | 22,991 | 126,989 | 149,980 | 24,559 | 133,253 | 157,811 | 1.67% | 0.04% | 0.28% | 1.97% | -0.31% | 0.03% | 1.75% | -0.49% | -0.14% |
| 2034 | 21,880 | 123,035 | 144,915 | 23,473 | 129,520 | 152,993 | 25,114 | 136,006 | 161,120 | 2.54% | 1.75% | 1.87% | 2.10% | 1.99% | 2.01% | 2.26% | 2.07% | 2.10% |
| 2035 | 22,367 | 126,798 | 149,165 | 24,022 | 133,285 | 157,307 | 25,676 | 139,772 | 165,448 | 2.23% | 3.06% | 2.93% | 2.34% | 2.91% | 2.82% | 2.24% | 2.77% | 2.69% |
| 2036 | 22,944 | 127,610 | 150,554 | 24,619 | 134,126 | 158,745 | 26,355 | 140,643 | 166,998 | 2.58% | 0.64% | 0.93% | 2.48% | 0.63% | 0.91% | 2.65% | 0.62% | 0.94% |
| 2037 | 23,392 | 129,557 | 152,949 | 25,060 | 136,044 | 161,104 | 26,887 | 142,867 | 169,754 | 1.95% | 1.53% | 1.59% | 1.79% | 1.43% | 1.49% | 2.02% | 1.58% | 1.65% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 26 | 14 | 40 | 27 | 15 | 42 | 28 | 15 | 43 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 27 | 15 | 41 | 28 | 15 | 43 | 29 | 15 | 44 | 2.23% | 5.45% | 3.34% | 3.07% | 0.00% | 1.99% | 4.17% | 0.57% | 2.93% |
| 2020 | 27 | 15 | 42 | 29 | 15 | 44 | 30 | 16 | 46 | 1.56% | 1.15% | 1.41% | 2.68% | 0.57% | 1.95% | 3.43% | 6.21% | 4.36% |
| 2021 | 28 | 15 | 43 | 30 | 16 | 45 | 31 | 16 | 47 | 3.68% | 0.57% | 2.59% | 3.48% | 5.65% | 4.21% | 3.31% | 0.53% | 2.36% |
| 2022 | 29 | 15 | 44 | 31 | 16 | 46 | 32 | 16 | 49 | 3.25% | 3.95% | 3.50% | 2.52% | 0.53% | 1.84% | 3.21% | 4.23% | 3.55% |
| 2023 | 30 | 16 | 45 | 31 | 16 | 47 | 33 | 17 | 50 | 2.29% | 2.17% | 2.25% | 3.01% | 1.60% | 2.53% | 3.37% | 1.52% | 2.74% |
| 2024 | 31 | 16 | 46 | 32 | 17 | 49 | 34 | 17 | 51 | 2.52% | 0.00% | 1.65% | 3.18% | 4.19% | 3.52% | 3.51% | 2.00% | 3.01% |
| 2025 | 31 | 16 | 47 | 33 | 17 | 50 | 35 | 18 | 53 | 2.19% | 1.60% | 1.99% | 3.08% | 0.50% | 2.21% | 2.91% | 2.94% | 2.92% |
| 2026 | 32 | 17 | 49 | 34 | 17 | 52 | 36 | 18 | 54 | 2.94% | 3.66% | 3.19% | 2.74% | 4.00% | 3.16% | 2.82% | 1.43% | 2.36% |
| 2027 | 33 | 17 | 50 | 35 | 18 | 53 | 37 | 18 | 56 | 2.86% | 1.01% | 2.23% | 2.18% | 0.96% | 1.77% | 2.75% | 3.29% | 2.92% |
| 2028 | 34 | 17 | 51 | 36 | 18 | 54 | 38 | 19 | 57 | 2.27% | 0.50% | 1.68% | 2.61% | 1.43% | 2.22% | 2.67% | 1.82% | 2.39% |
| 2029 | 35 | 17 | 52 | 37 | 18 | 55 | 39 | 19 | 58 | 2.22% | 3.48% | 2.64% | 2.78% | 3.29% | 2.95% | 2.60% | 0.45% | 1.90% |
| 2030 | 35 | 18 | 53 | 38 | 19 | 56 | 40 | 19 | 60 | 2.66% | 1.92% | 2.41% | 2.48% | 0.91% | 1.96% | 2.54% | 3.11% | 2.72% |
| 2031 | 36 | 18 | 54 | 39 | 19 | 58 | 41 | 20 | 61 | 2.35% | 0.47% | 1.73% | 2.42% | 1.35% | 2.07% | 2.27% | 2.16% | 2.23% |
| 2032 | 37 | 18 | 55 | 40 | 19 | 59 | 42 | 20 | 63 | 2.07% | 3.29% | 2.47% | 2.36% | 3.11% | 2.60% | 2.62% | 2.95% | 2.73% |
| 2033 | 38 | 19 | 56 | 41 | 20 | 60 | 43 | 20 | 64 | 2.25% | 1.36% | 1.96% | 2.52% | 0.86% | 1.97% | 2.16% | 0.00% | 1.46% |
| 2034 | 39 | 19 | 58 | 42 | 20 | 61 | 44 | 21 | 65 | 2.42% | 0.90% | 1.92% | 1.84% | 1.28% | 1.66% | 2.31% | 2.05% | 2.23% |
| 2035 | 40 | 19 | 59 | 42 | 20 | 63 | 45 | 21 | 67 | 1.94% | 3.11% | 2.32% | 2.21% | 2.95% | 2.45% | 2.26% | 2.81% | 2.43% |
| 2036 | 40 | 20 | 60 | 43 | 21 | 64 | 46 | 22 | 68 | 1.90% | 0.86% | 1.56% | 1.96% | 0.82% | 1.59% | 2.21% | 0.78% | 1.75% |
| 2037 | 41 | 20 | 61 | 44 | 21 | 65 | 47 | 22 | 69 | 2.48% | 1.28% | 2.09% | 2.31% | 1.22% | 1.96% | 2.34% | 1.94% | 2.21% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 62.50% |
| Medium: | 55.38% |
| Low: | 52.82% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

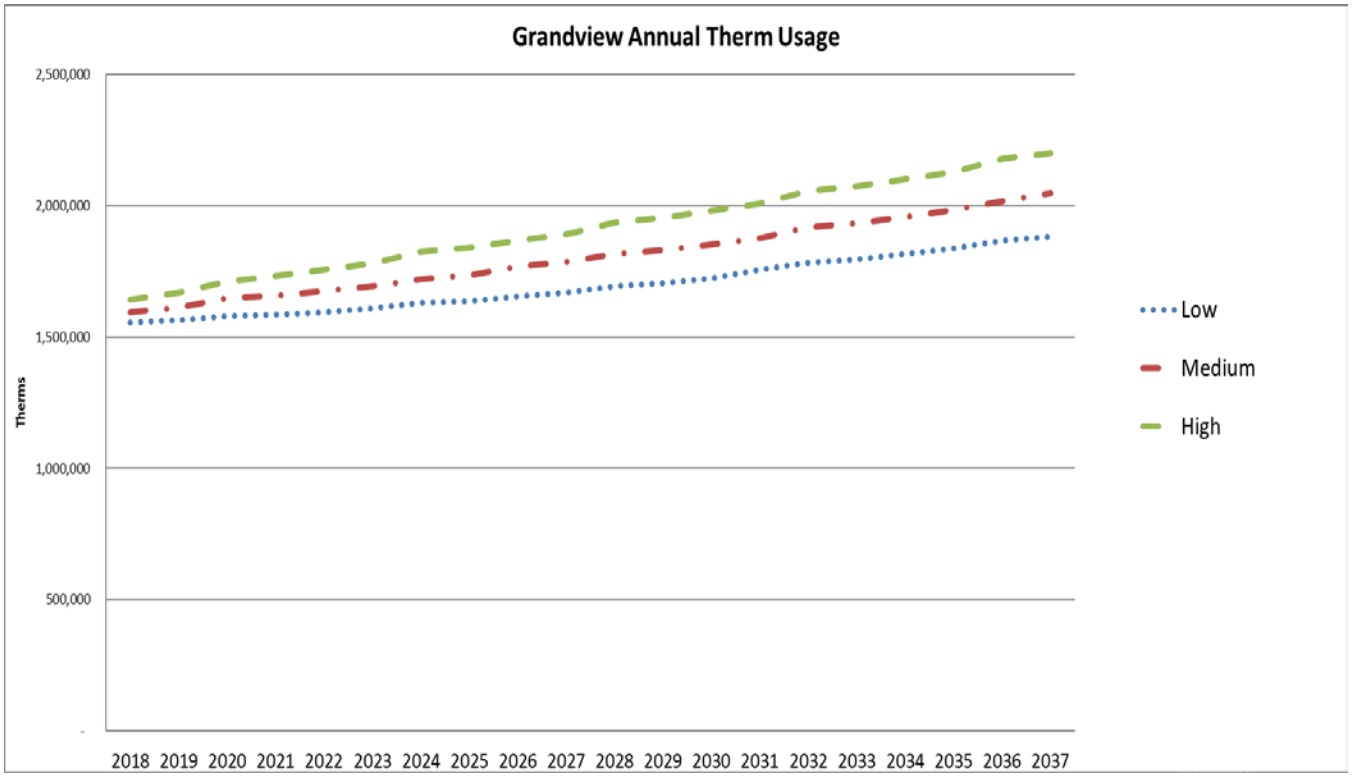
## Grandview

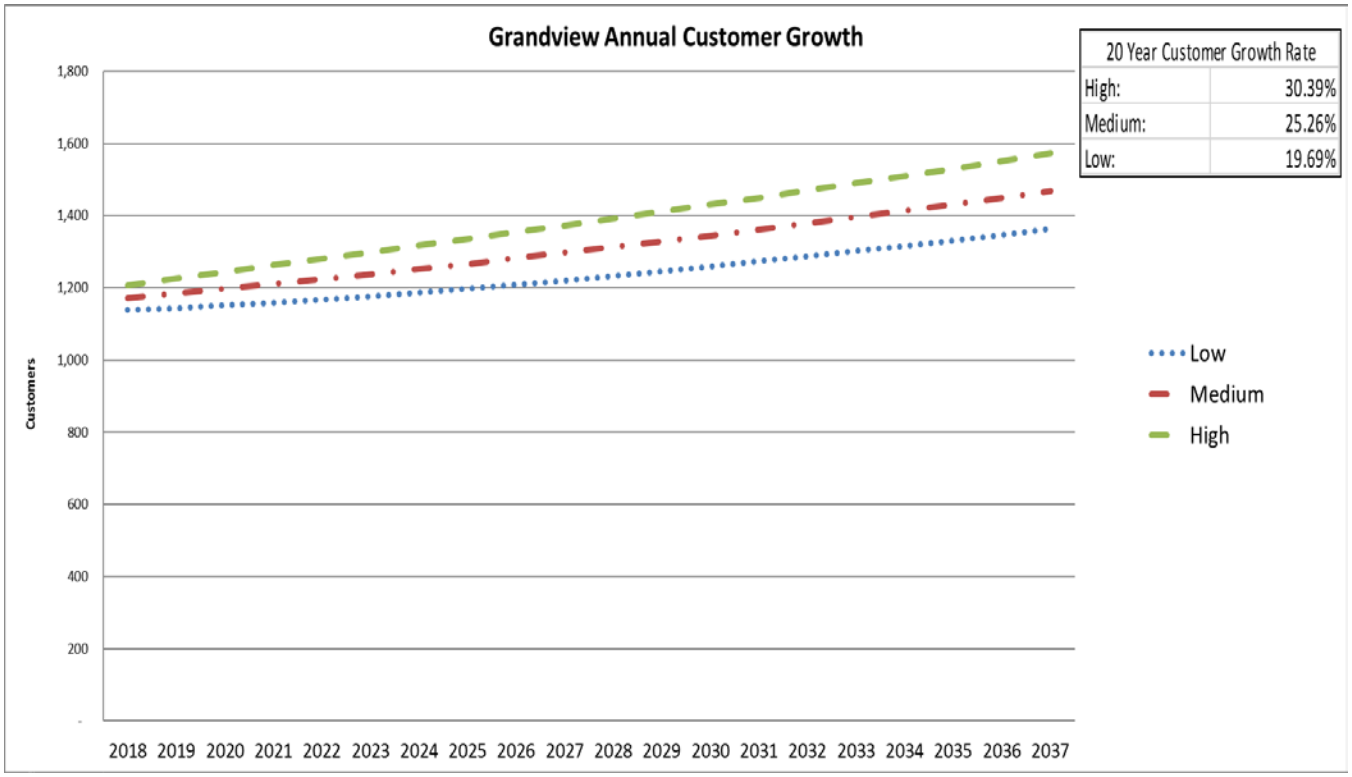
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 690,252 | 866,309 | 1,556,561 | 709,086 | 884,795 | 1,593,882 | 716,827 | 927,252 | 1,644,079 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 695,536 | 869,200 | 1,564,736 | 720,633 | 891,115 | 1,611,748 | 734,201 | 936,732 | 1,670,933 | 0.77% | 0.33% | 0.53% | 1.63% | 0.71% | 1.12% | 2.42% | 1.02% | 1.63% |
| 2020 | 705,435 | 874,445 | 1,579,880 | 723,930 | 923,491 | 1,647,420 | 737,647 | 974,621 | 1,712,268 | 1.42% | 0.60% | 0.97% | 0.46% | 3.63% | 2.21% | 0.47% | 4.04% | 2.47% |
| 2021 | 706,911 | 878,142 | 1,585,053 | 726,081 | 932,433 | 1,658,514 | 748,214 | 984,638 | 1,732,852 | 0.21% | 0.42% | 0.33% | 0.30% | 0.97% | 0.67% | 1.43% | 1.03% | 1.20% |
| 2022 | 711,836 | 884,194 | 1,596,029 | 736,685 | 939,559 | 1,676,244 | 760,487 | 994,924 | 1,755,411 | 0.70% | 0.69% | 0.69% | 1.46% | 0.76% | 1.07% | 1.64% | 1.04% | 1.30% |
| 2023 | 718,354 | 890,513 | 1,608,867 | 745,359 | 948,770 | 1,694,129 | 774,446 | 1,007,026 | 1,781,472 | 0.92% | 0.71% | 0.80% | 1.18% | 0.98% | 1.07% | 1.84% | 1.22% | 1.48% |
| 2024 | 732,996 | 896,833 | 1,629,829 | 761,728 | 958,250 | 1,719,978 | 781,659 | 1,043,099 | 1,824,758 | 2.04% | 0.71% | 1.30% | 2.20% | 1.00% | 1.53% | 0.93% | 3.58% | 2.43% |
| 2025 | 734,562 | 903,422 | 1,637,984 | 768,950 | 965,375 | 1,734,326 | 788,420 | 1,053,385 | 1,841,805 | 0.21% | 0.73% | 0.50% | 0.95% | 0.74% | 0.83% | 0.87% | 0.99% | 0.93% |
| 2026 | 741,383 | 912,095 | 1,653,478 | 766,936 | 1,000,642 | 1,767,578 | 801,070 | 1,065,487 | 1,866,557 | 0.93% | 0.96% | 0.95% | -0.26% | 3.65% | 1.92% | 1.60% | 1.15% | 1.34% |
| 2027 | 751,267 | 918,684 | 1,669,950 | 777,712 | 1,010,122 | 1,787,833 | 816,494 | 1,075,773 | 1,892,267 | 1.33% | 0.72% | 1.00% | 1.40% | 0.95% | 1.15% | 1.93% | 0.97% | 1.38% |
| 2028 | 765,266 | 927,626 | 1,692,892 | 795,214 | 1,019,870 | 1,815,084 | 822,254 | 1,113,931 | 1,936,185 | 1.86% | 0.97% | 1.37% | 2.25% | 0.97% | 1.52% | 0.71% | 3.55% | 2.32% |
| 2029 | 770,632 | 934,483 | 1,705,115 | 800,833 | 1,029,350 | 1,830,183 | 828,955 | 1,126,570 | 1,955,525 | 0.70% | 0.74% | 0.72% | 0.71% | 0.93% | 0.83% | 0.81% | 1.13% | 1.00% |
| 2030 | 781,182 | 943,426 | 1,724,608 | 810,747 | 1,041,183 | 1,851,930 | 844,586 | 1,136,856 | 1,981,442 | 1.37% | 0.96% | 1.14% | 1.24% | 1.15% | 1.19% | 1.89% | 0.91% | 1.33% |
| 2031 | 777,777 | 978,424 | 1,756,200 | 824,705 | 1,050,932 | 1,875,637 | 858,542 | 1,149,496 | 2,008,037 | -0.44% | 3.71% | 1.83% | 1.72% | 0.94% | 1.28% | 1.65% | 1.11% | 1.34% |
| 2032 | 794,897 | 987,635 | 1,782,532 | 832,178 | 1,086,736 | 1,918,914 | 867,840 | 1,187,654 | 2,055,494 | 2.20% | 0.94% | 1.50% | 0.91% | 3.41% | 2.31% | 1.08% | 3.32% | 2.36% |
| 2033 | 798,700 | 996,846 | 1,795,546 | 835,934 | 1,098,569 | 1,934,504 | 873,830 | 1,200,293 | 2,074,123 | 0.48% | 0.93% | 0.73% | 0.45% | 1.09% | 0.81% | 0.69% | 1.06% | 0.91% |
| 2034 | 809,772 | 1,006,325 | 1,816,097 | 849,377 | 1,108,587 | 1,957,963 | 889,950 | 1,210,848 | 2,100,798 | 1.39% | 0.95% | 1.14% | 1.61% | 0.91% | 1.21% | 1.84% | 0.88% | 1.29% |
| 2035 | 821,539 | 1,015,805 | 1,837,344 | 862,877 | 1,120,689 | 1,983,566 | 904,959 | 1,223,487 | 2,128,447 | 1.45% | 0.94% | 1.17% | 1.59% | 1.09% | 1.31% | 1.69% | 1.04% | 1.32% |
| 2036 | 841,262 | 1,025,285 | 1,866,547 | 885,445 | 1,130,706 | 2,016,151 | 916,691 | 1,262,183 | 2,178,873 | 2.40% | 0.93% | 1.59% | 2.62% | 0.89% | 1.64% | 1.30% | 3.16% | 2.37% |
| 2037 | 846,522 | 1,035,033 | 1,881,555 | 877,997 | 1,168,864 | 2,046,860 | 923,977 | 1,274,822 | 2,198,799 | 0.63% | 0.95% | 0.80% | -0.84% | 3.37% | 1.52% | 0.79% | 1.00% | 0.91% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 2,373 | 10,732 | 13,106 | 2,424 | 10,882 | 13,306 | 2,540 | 10,969 | 13,509 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,381 | 10,888 | 13,269 | 2,441 | 11,031 | 13,473 | 2,566 | 11,112 | 13,678 | 0.33% | 1.45% | 1.25% | 0.71% | 1.37% | 1.25% | 1.02% | 1.30% | 1.25% |
| 2020 | 2,396 | 11,059 | 13,454 | 2,530 | 11,131 | 13,661 | 2,670 | 11,198 | 13,869 | 0.60% | 1.57% | 1.39% | 3.63% | 0.90% | 1.39% | 4.04% | 0.78% | 1.39% |
| 2021 | 2,406 | 11,184 | 13,589 | 2,555 | 11,243 | 13,798 | 2,698 | 11,310 | 14,008 | 0.42% | 1.13% | 1.00% | 0.97% | 1.01% | 1.00% | 1.03% | 1.00% | 1.00% |
| 2022 | 2,422 | 11,331 | 13,753 | 2,574 | 11,390 | 13,964 | 2,726 | 11,451 | 14,177 | 0.69% | 1.32% | 1.21% | 0.76% | 1.31% | 1.21% | 1.04% | 1.24% | 1.21% |
| 2023 | 2,440 | 11,449 | 13,888 | 2,599 | 11,502 | 14,101 | 2,759 | 11,557 | 14,316 | 0.71% | 1.04% | 0.98% | 0.98% | 0.98% | 0.98% | 1.22% | 0.93% | 0.98% |
| 2024 | 2,457 | 11,607 | 14,064 | 2,625 | 11,654 | 14,280 | 2,858 | 11,639 | 14,497 | 0.71% | 1.38% | 1.27% | 1.00% | 1.33% | 1.27% | 3.58% | 0.71% | 1.27% |
| 2025 | 2,475 | 11,765 | 14,240 | 2,645 | 11,813 | 14,458 | 2,886 | 11,792 | 14,678 | 0.73% | 1.36% | 1.25% | 0.74% | 1.36% | 1.25% | 0.99% | 1.31% | 1.25% |
| 2026 | 2,499 | 11,973 | 14,472 | 2,741 | 11,952 | 14,693 | 2,919 | 11,998 | 14,917 | 0.96% | 1.77% | 1.63% | 3.65% | 1.17% | 1.63% | 1.15% | 1.74% | 1.63% |
| 2027 | 2,517 | 12,130 | 14,647 | 2,767 | 12,104 | 14,872 | 2,947 | 12,151 | 15,098 | 0.72% | 1.32% | 1.21% | 0.95% | 1.28% | 1.21% | 0.97% | 1.28% | 1.21% |
| 2028 | 2,541 | 12,288 | 14,829 | 2,794 | 12,262 | 15,056 | 3,052 | 12,234 | 15,286 | 0.97% | 1.30% | 1.24% | 0.97% | 1.30% | 1.24% | 3.55% | 0.68% | 1.24% |
| 2029 | 2,560 | 12,451 | 15,011 | 2,820 | 12,421 | 15,241 | 3,086 | 12,387 | 15,473 | 0.74% | 1.33% | 1.23% | 0.93% | 1.29% | 1.23% | 1.13% | 1.25% | 1.23% |
| 2030 | 2,585 | 12,608 | 15,193 | 2,853 | 12,573 | 15,425 | 3,115 | 12,546 | 15,660 | 0.96% | 1.26% | 1.21% | 1.15% | 1.22% | 1.21% | 0.91% | 1.28% | 1.21% |
| 2031 | 2,681 | 12,694 | 15,374 | 2,879 | 12,731 | 15,610 | 3,149 | 12,698 | 15,848 | 3.71% | 0.68% | 1.20% | 0.94% | 1.26% | 1.20% | 1.11% | 1.22% | 1.20% |
| 2032 | 2,706 | 12,912 | 15,618 | 2,977 | 12,880 | 15,857 | 3,254 | 12,845 | 16,099 | 0.94% | 1.72% | 1.58% | 3.41% | 1.17% | 1.58% | 3.32% | 1.15% | 1.58% |
| 2033 | 2,731 | 13,109 | 15,840 | 3,010 | 13,073 | 16,083 | 3,288 | 13,040 | 16,328 | 0.93% | 1.53% | 1.42% | 1.09% | 1.50% | 1.42% | 1.06% | 1.52% | 1.42% |
| 2034 | 2,757 | 13,271 | 16,028 | 3,037 | 13,237 | 16,274 | 3,317 | 13,204 | 16,522 | 0.95% | 1.23% | 1.18% | 0.91% | 1.25% | 1.18% | 0.88% | 1.26% | 1.18% |
| 2035 | 2,783 | 13,468 | 16,251 | 3,070 | 13,429 | 16,500 | 3,352 | 13,399 | 16,751 | 0.94% | 1.48% | 1.39% | 1.09% | 1.46% | 1.39% | 1.04% | 1.47% | 1.39% |
| 2036 | 2,809 | 13,635 | 16,444 | 3,098 | 13,598 | 16,696 | 3,458 | 13,492 | 16,950 | 0.93% | 1.24% | 1.19% | 0.89% | 1.26% | 1.19% | 3.16% | 0.70% | 1.19% |
| 2037 | 2,836 | 13,893 | 16,729 | 3,202 | 13,783 | 16,985 | 3,493 | 13,751 | 17,244 | 0.95% | 1.89% | 1.73% | 3.37% | 1.35% | 1.73% | 1.00% | 1.92% | 1.73% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 648,275 | 908,286 | 1,556,561 | 667,814 | 926,068 | 1,593,882 | 687,181 | 956,898 | 1,644,079 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 651,583 | 913,153 | 1,564,736 | 675,237 | 936,511 | 1,611,748 | 698,651 | 972,282 | 1,670,933 | 0.51% | 0.54% | 0.53% | 1.11% | 1.13% | 1.12% | 1.67% | 1.61% | 1.63% |
| 2020 | 658,134 | 921,746 | 1,579,880 | 684,999 | 962,421 | 1,647,420 | 712,128 | 1,000,140 | 1,712,268 | 1.01% | 0.94% | 0.97% | 1.45% | 2.77% | 2.21% | 1.93% | 2.87% | 2.47% |
| 2021 | 659,760 | 925,294 | 1,585,053 | 689,492 | 969,022 | 1,658,514 | 719,266 | 1,013,586 | 1,732,852 | 0.25% | 0.38% | 0.33% | 0.66% | 0.69% | 0.67% | 1.00% | 1.34% | 1.20% |
| 2022 | 664,268 | 931,761 | 1,596,029 | 696,684 | 979,561 | 1,676,244 | 729,251 | 1,026,159 | 1,755,411 | 0.68% | 0.70% | 0.69% | 1.04% | 1.09% | 1.07% | 1.39% | 1.24% | 1.30% |
| 2023 | 669,370 | 939,497 | 1,608,867 | 704,279 | 989,850 | 1,694,129 | 739,110 | 1,042,362 | 1,781,472 | 0.77% | 0.83% | 0.80% | 1.09% | 1.05% | 1.07% | 1.35% | 1.58% | 1.48% |
| 2024 | 677,604 | 952,225 | 1,629,829 | 714,894 | 1,005,084 | 1,719,978 | 752,135 | 1,072,623 | 1,824,758 | 1.23% | 1.35% | 1.30% | 1.51% | 1.54% | 1.53% | 1.76% | 2.90% | 2.43% |
| 2025 | 680,684 | 957,299 | 1,637,984 | 719,949 | 1,014,377 | 1,734,326 | 759,282 | 1,082,523 | 1,841,805 | 0.45% | 0.53% | 0.50% | 0.71% | 0.92% | 0.83% | 0.95% | 0.92% | 0.93% |
| 2026 | 686,796 | 966,683 | 1,653,478 | 728,141 | 1,039,437 | 1,767,578 | 769,314 | 1,097,244 | 1,866,557 | 0.90% | 0.98% | 0.95% | 1.14% | 2.47% | 1.92% | 1.32% | 1.36% | 1.34% |
| 2027 | 693,173 | 976,777 | 1,669,950 | 736,446 | 1,051,387 | 1,787,833 | 779,686 | 1,112,581 | 1,892,267 | 0.93% | 1.04% | 1.00% | 1.14% | 1.15% | 1.15% | 1.35% | 1.40% | 1.38% |
| 2028 | 702,373 | 990,520 | 1,692,892 | 747,540 | 1,067,544 | 1,815,084 | 792,849 | 1,143,335 | 1,936,185 | 1.33% | 1.41% | 1.37% | 1.51% | 1.54% | 1.52% | 1.69% | 2.76% | 2.32% |
| 2029 | 706,680 | 998,435 | 1,705,115 | 753,606 | 1,076,577 | 1,830,183 | 800,311 | 1,155,214 | 1,955,525 | 0.61% | 0.80% | 0.72% | 0.81% | 0.85% | 0.83% | 0.94% | 1.04% | 1.00% |
| 2030 | 713,915 | 1,010,693 | 1,724,608 | 762,429 | 1,089,501 | 1,851,930 | 811,003 | 1,170,439 | 1,981,442 | 1.02% | 1.23% | 1.14% | 1.17% | 1.20% | 1.19% | 1.34% | 1.32% | 1.33% |
| 2031 | 721,200 | 1,035,001 | 1,756,200 | 771,337 | 1,104,299 | 1,875,637 | 821,663 | 1,186,374 | 2,008,037 | 1.02% | 2.41% | 1.83% | 1.17% | 1.36% | 1.28% | 1.31% | 1.36% | 1.34% |
| 2032 | 731,638 | 1,050,894 | 1,782,532 | 783,703 | 1,135,211 | 1,918,914 | 835,743 | 1,219,751 | 2,055,494 | 1.45% | 1.54% | 1.50% | 1.60% | 2.80% | 2.31% | 1.71% | 2.81% | 2.36% |
| 2033 | 736,560 | 1,058,985 | 1,795,546 | 789,765 | 1,144,739 | 1,934,504 | 843,158 | 1,230,966 | 2,074,123 | 0.67% | 0.77% | 0.73% | 0.77% | 0.84% | 0.81% | 0.89% | 0.92% | 0.91% |
| 2034 | 744,521 | 1,071,576 | 1,816,097 | 799,213 | 1,158,751 | 1,957,963 | 854,197 | 1,246,600 | 2,100,798 | 1.08% | 1.19% | 1.14% | 1.20% | 1.22% | 1.21% | 1.31% | 1.27% | 1.29% |
| 2035 | 752,809 | 1,084,536 | 1,837,344 | 809,250 | 1,174,316 | 1,983,566 | 865,510 | 1,262,937 | 2,128,447 | 1.11% | 1.21% | 1.17% | 1.26% | 1.34% | 1.31% | 1.32% | 1.31% | 1.32% |
| 2036 | 764,241 | 1,102,306 | 1,866,547 | 822,157 | 1,193,994 | 2,016,151 | 880,211 | 1,298,662 | 2,178,873 | 1.52% | 1.64% | 1.59% | 1.59% | 1.68% | 1.64% | 1.70% | 2.83% | 2.37% |
| 2037 | 769,823 | 1,111,732 | 1,881,555 | 828,938 | 1,217,922 | 2,046,860 | 888,056 | 1,310,742 | 2,198,799 | 0.73% | 0.86% | 0.80% | 0.82% | 2.00% | 1.52% | 0.89% | 0.93% | 0.91% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 944 | 194 | 1,139 | 973 | 199 | 1,172 | 1,002 | 204 | 1,206 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 949 | 196 | 1,144 | 983 | 201 | 1,184 | 1,018 | 207 | 1,225 | 0.45% | 0.56% | 0.47% | 1.04% | 1.13% | 1.06% | 1.58% | 1.80% | 1.62% |
| 2020 | 954 | 197 | 1,151 | 994 | 204 | 1,198 | 1,033 | 211 | 1,245 | 0.60% | 0.68% | 0.61% | 1.03% | 1.58% | 1.13% | 1.51% | 1.89% | 1.58% |
| 2021 | 961 | 198 | 1,159 | 1,004 | 207 | 1,211 | 1,048 | 215 | 1,263 | 0.65% | 0.80% | 0.68% | 1.07% | 1.22% | 1.09% | 1.42% | 1.66% | 1.46% |
| 2022 | 967 | 200 | 1,168 | 1,015 | 209 | 1,224 | 1,063 | 218 | 1,281 | 0.72% | 0.84% | 0.74% | 1.09% | 1.17% | 1.10% | 1.42% | 1.44% | 1.42% |
| 2023 | 975 | 202 | 1,177 | 1,026 | 212 | 1,238 | 1,078 | 222 | 1,299 | 0.78% | 0.92% | 0.81% | 1.11% | 1.24% | 1.13% | 1.37% | 1.68% | 1.42% |
| 2024 | 983 | 204 | 1,187 | 1,038 | 214 | 1,252 | 1,092 | 226 | 1,318 | 0.83% | 1.03% | 0.86% | 1.10% | 1.30% | 1.13% | 1.36% | 1.81% | 1.44% |
| 2025 | 992 | 206 | 1,198 | 1,049 | 217 | 1,266 | 1,107 | 229 | 1,336 | 0.86% | 1.02% | 0.88% | 1.12% | 1.24% | 1.14% | 1.36% | 1.48% | 1.38% |
| 2026 | 1,001 | 208 | 1,209 | 1,061 | 221 | 1,282 | 1,122 | 232 | 1,354 | 0.91% | 1.13% | 0.95% | 1.14% | 1.77% | 1.24% | 1.33% | 1.53% | 1.37% |
| 2027 | 1,010 | 211 | 1,221 | 1,073 | 224 | 1,297 | 1,137 | 236 | 1,373 | 0.93% | 1.12% | 0.97% | 1.15% | 1.32% | 1.18% | 1.35% | 1.47% | 1.37% |
| 2028 | 1,020 | 213 | 1,233 | 1,086 | 227 | 1,313 | 1,152 | 240 | 1,392 | 0.97% | 1.23% | 1.02% | 1.16% | 1.34% | 1.19% | 1.33% | 1.84% | 1.42% |
| 2029 | 1,030 | 216 | 1,246 | 1,099 | 230 | 1,328 | 1,167 | 244 | 1,411 | 0.98% | 1.17% | 1.01% | 1.17% | 1.32% | 1.20% | 1.32% | 1.56% | 1.36% |
| 2030 | 1,040 | 219 | 1,259 | 1,112 | 233 | 1,345 | 1,183 | 247 | 1,430 | 1.04% | 1.31% | 1.08% | 1.18% | 1.38% | 1.22% | 1.33% | 1.44% | 1.35% |
| 2031 | 1,051 | 222 | 1,273 | 1,125 | 236 | 1,361 | 1,199 | 251 | 1,450 | 1.03% | 1.68% | 1.14% | 1.18% | 1.43% | 1.22% | 1.33% | 1.48% | 1.36% |
| 2032 | 1,062 | 225 | 1,287 | 1,138 | 240 | 1,379 | 1,215 | 256 | 1,470 | 1.07% | 1.24% | 1.10% | 1.22% | 1.76% | 1.32% | 1.32% | 1.89% | 1.42% |
| 2033 | 1,074 | 228 | 1,302 | 1,152 | 244 | 1,396 | 1,230 | 260 | 1,490 | 1.07% | 1.30% | 1.11% | 1.19% | 1.39% | 1.22% | 1.31% | 1.47% | 1.34% |
| 2034 | 1,086 | 231 | 1,317 | 1,166 | 247 | 1,413 | 1,247 | 263 | 1,510 | 1.10% | 1.32% | 1.14% | 1.21% | 1.37% | 1.24% | 1.32% | 1.41% | 1.34% |
| 2035 | 1,098 | 234 | 1,332 | 1,180 | 251 | 1,431 | 1,263 | 267 | 1,530 | 1.11% | 1.33% | 1.15% | 1.24% | 1.48% | 1.28% | 1.31% | 1.49% | 1.34% |
| 2036 | 1,110 | 237 | 1,347 | 1,195 | 254 | 1,449 | 1,280 | 272 | 1,552 | 1.12% | 1.39% | 1.16% | 1.22% | 1.36% | 1.25% | 1.31% | 1.87% | 1.41% |
| 2037 | 1,123 | 241 | 1,363 | 1,209 | 259 | 1,468 | 1,296 | 276 | 1,572 | 1.15% | 1.33% | 1.18% | 1.22% | 1.80% | 1.32% | 1.30% | 1.47% | 1.33% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.39% |
| Medium: | 25.26% |
| Low: | 19.69% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

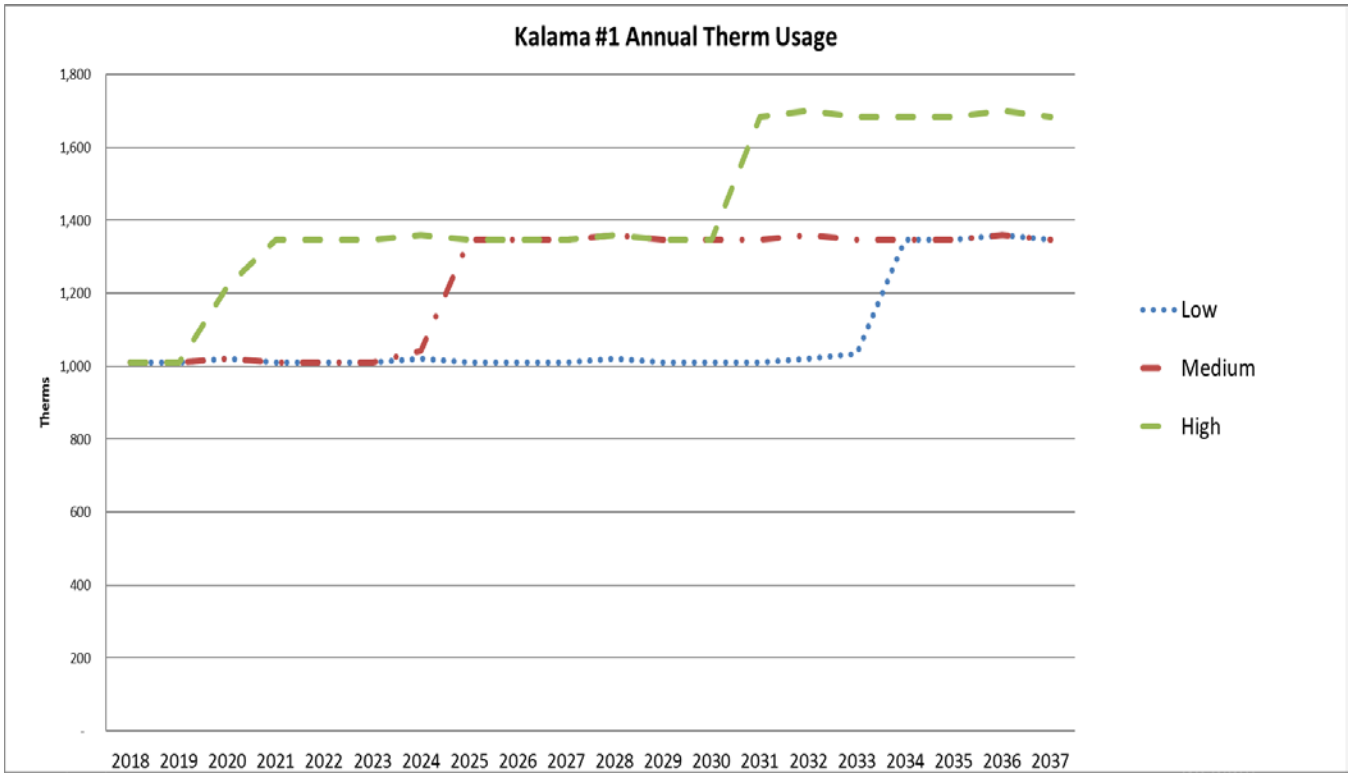
## Kalama #1

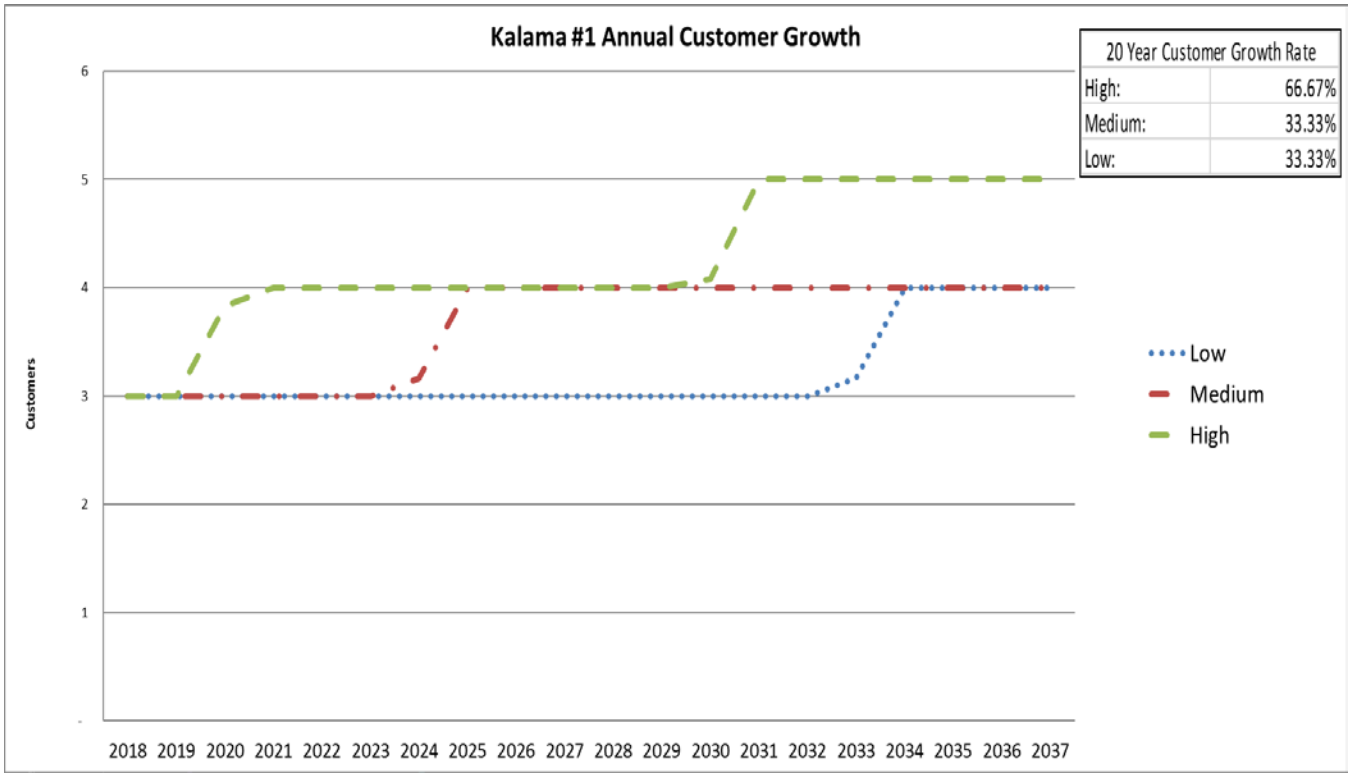
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 1,020 | - | 1,020 | 1,020 | - | 1,020 | 1,220 | - | 1,220 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 20.79% | 0.00% | 20.79% |
| 2021 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | 10.38% | 0.00% | 10.38% |
| 2022 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 1,020 | - | 1,020 | 1,043 | - | 1,043 | 1,360 | - | 1,360 | 0.99% | 0.00% | 0.99% | 3.30% | 0.00% | 3.30% | 0.99% | 0.00% | 0.99% |
| 2025 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | 29.07% | 0.00% | 29.07% | -0.98% | 0.00% | -0.98% |
| 2026 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 1,020 | - | 1,020 | 1,360 | - | 1,360 | 1,360 | - | 1,360 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2029 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |
| 2030 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 25.00% | 0.00% | 25.00% |
| 2032 | 1,020 | - | 1,020 | 1,360 | - | 1,360 | 1,700 | - | 1,700 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2033 | 1,033 | - | 1,033 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 1.31% | 0.00% | 1.31% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |
| 2034 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 30.32% | 0.00% | 30.32% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 1,360 | - | 1,360 | 1,360 | - | 1,360 | 1,700 | - | 1,700 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2037 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | 30 | 30 | - | 30 | 30 | - | 30 | 30 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 1,020 | - | 1,020 | 1,020 | - | 1,020 | 1,220 | - | 1,220 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 20.79% | 0.00% | 20.79% |
| 2021 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | 10.38% | 0.00% | 10.38% |
| 2022 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 1,010 | - | 1,010 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 1,020 | - | 1,020 | 1,043 | - | 1,043 | 1,360 | - | 1,360 | 0.99% | 0.00% | 0.99% | 3.30% | 0.00% | 3.30% | 0.99% | 0.00% | 0.99% |
| 2025 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | 29.07% | 0.00% | 29.07% | -0.98% | 0.00% | -0.98% |
| 2026 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 1,020 | - | 1,020 | 1,360 | - | 1,360 | 1,360 | - | 1,360 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2029 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |
| 2030 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 1,010 | - | 1,010 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 25.00% | 0.00% | 25.00% |
| 2032 | 1,020 | - | 1,020 | 1,360 | - | 1,360 | 1,700 | - | 1,700 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2033 | 1,033 | - | 1,033 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 1.31% | 0.00% | 1.31% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |
| 2034 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 30.32% | 0.00% | 30.32% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 1,360 | - | 1,360 | 1,360 | - | 1,360 | 1,700 | - | 1,700 | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% | 0.99% | 0.00% | 0.99% |
| 2037 | 1,347 | - | 1,347 | 1,347 | - | 1,347 | 1,683 | - | 1,683 | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% | -0.98% | 0.00% | -0.98% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3 | - | 3 | 3 | - | 3 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3 | - | 3 | 3 | - | 3 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 3 | - | 3 | 3 | - | 3 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 27.78% | 0.00% | 27.78% |
| 2021 | 3 | - | 3 | 3 | - | 3 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 4.35% | 0.00% | 4.35% |
| 2022 | 3 | - | 3 | 3 | - | 3 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 3 | - | 3 | 3 | - | 3 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 3 | - | 3 | 3 | - | 3 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 5.56% | 0.00% | 5.56% | 0.00% | 0.00% | 0.00% |
| 2025 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 26.32% | 0.00% | 26.32% | 0.00% | 0.00% | 0.00% |
| 2026 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | 3 | - | 3 | 4 | - | 4 | 4 | - | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 2.08% | 0.00% | 2.08% |
| 2031 | 3 | - | 3 | 4 | - | 4 | 5 | - | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 22.45% | 0.00% | 22.45% |
| 2032 | 3 | - | 3 | 4 | - | 4 | 5 | - | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | 3 | - | 3 | 4 | - | 4 | 5 | - | 5 | 5.56% | 0.00% | 5.56% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 4 | - | 4 | 4 | - | 4 | 5 | - | 5 | 26.32% | 0.00% | 26.32% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 4 | - | 4 | 4 | - | 4 | 5 | - | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 4 | - | 4 | 4 | - | 4 | 5 | - | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | 4 | - | 4 | 4 | - | 4 | 5 | - | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 66.67% |
| Medium: | 33.33% |
| Low: | 33.33% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

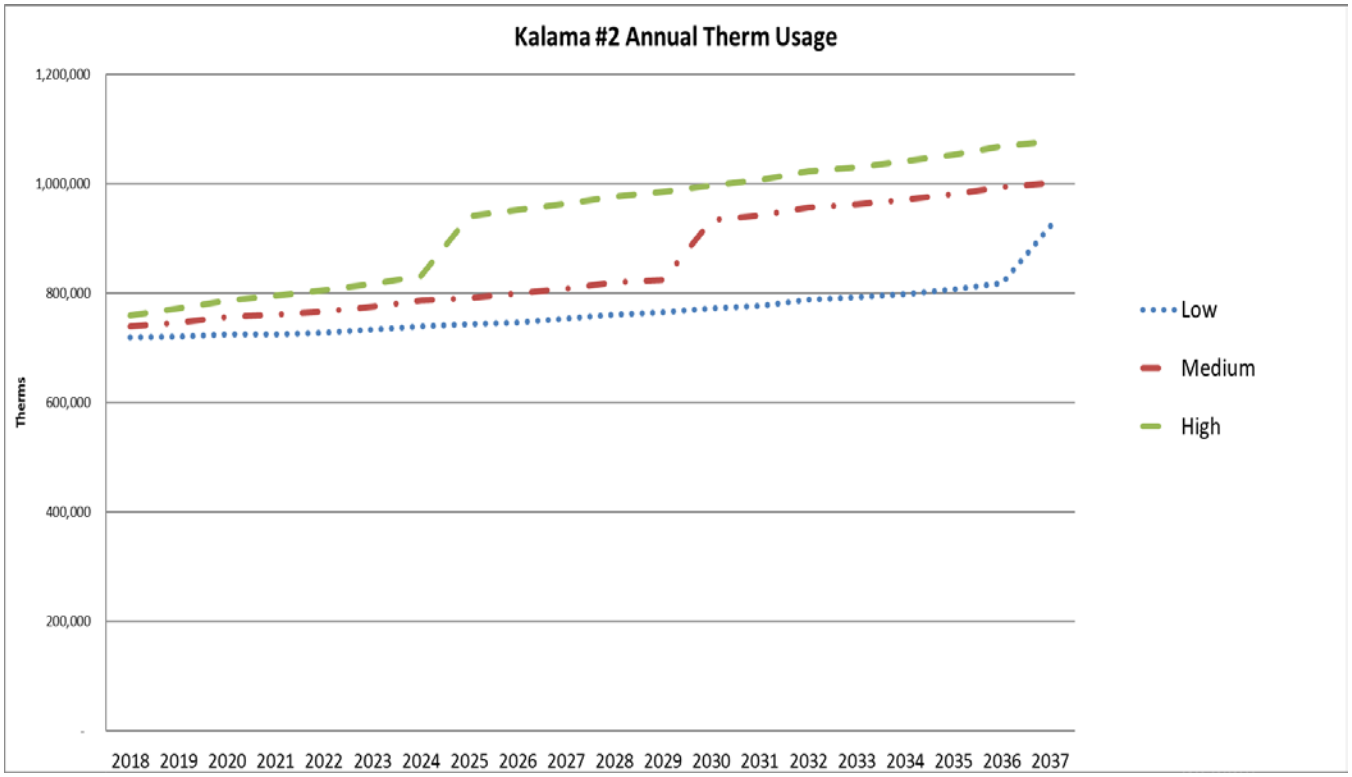
## Kalama #2

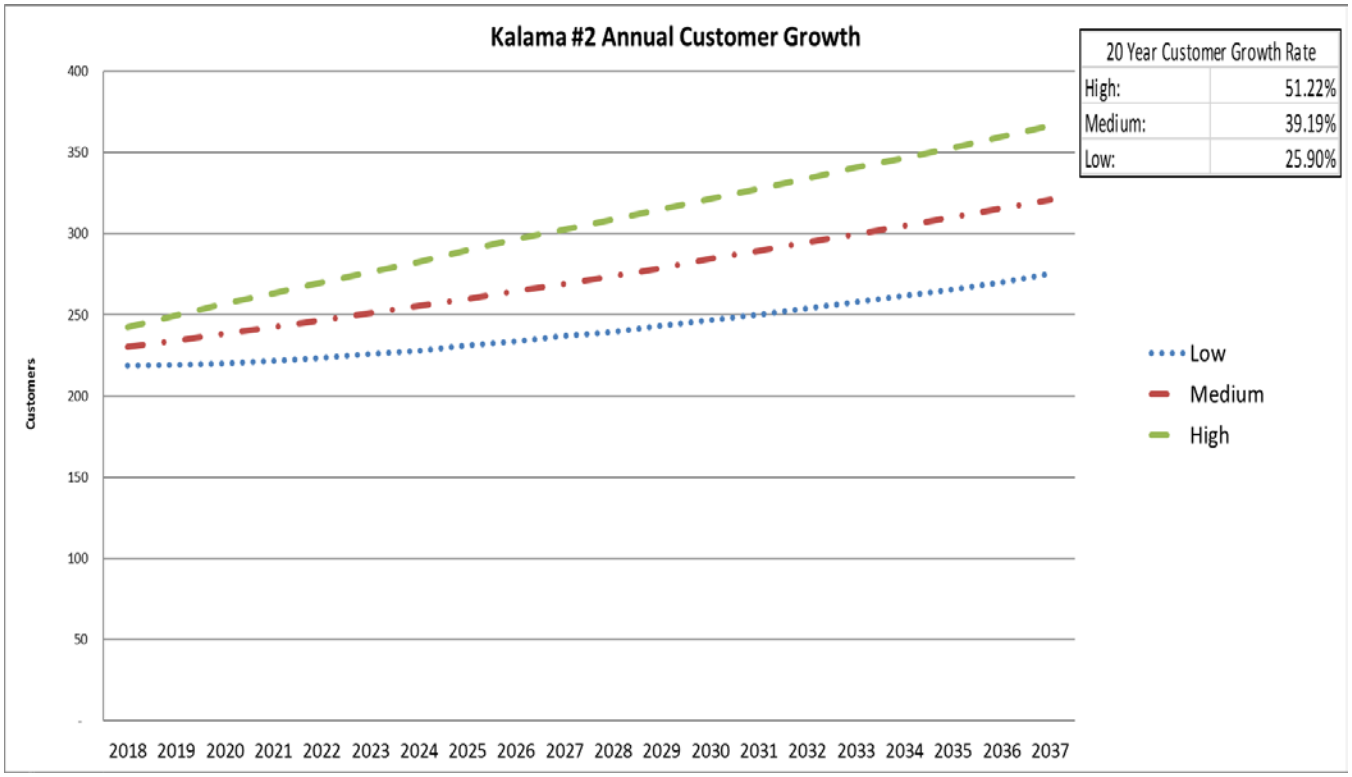
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 123,382 | 596,324 | 719,706 | 130,717 | 609,142 | 739,859 | 137,933 | 621,960 | 759,893 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 121,968 | 599,499 | 721,467 | 132,816 | 613,754 | 746,570 | 144,156 | 628,728 | 772,884 | -1.15% | 0.53% | 0.24% | 1.61% | 0.76% | 0.91% | 4.51% | 1.09% | 1.71% |
| 2020 | 126,043 | 599,499 | 725,542 | 139,749 | 616,629 | 756,378 | 151,903 | 635,496 | 787,399 | 3.34% | 0.00% | 0.56% | 5.22% | 0.47% | 1.31% | 5.37% | 1.08% | 1.88% |
| 2021 | 124,261 | 600,937 | 725,198 | 139,257 | 621,960 | 761,217 | 153,771 | 642,264 | 796,035 | -1.41% | 0.24% | -0.05% | -0.35% | 0.86% | 0.64% | 1.23% | 1.07% | 1.10% |
| 2022 | 126,250 | 601,655 | 727,906 | 143,270 | 624,116 | 767,385 | 159,808 | 646,576 | 806,384 | 1.60% | 0.12% | 0.37% | 2.88% | 0.35% | 0.81% | 3.93% | 0.67% | 1.30% |
| 2023 | 128,387 | 605,549 | 733,935 | 146,530 | 629,446 | 775,977 | 164,599 | 653,344 | 817,943 | 1.69% | 0.65% | 0.83% | 2.28% | 0.85% | 1.12% | 3.00% | 1.05% | 1.43% |
| 2024 | 132,478 | 606,986 | 739,465 | 152,052 | 634,777 | 786,829 | 172,836 | 659,394 | 832,230 | 3.19% | 0.24% | 0.75% | 3.77% | 0.85% | 1.40% | 5.00% | 0.93% | 1.75% |
| 2025 | 132,102 | 611,598 | 743,701 | 151,678 | 639,390 | 791,067 | 154,436 | 786,650 | 941,086 | -0.28% | 0.76% | 0.57% | -0.25% | 0.73% | 0.54% | -10.65% | 19.30% | 13.08% |
| 2026 | 134,165 | 613,036 | 747,201 | 157,337 | 642,264 | 799,601 | 159,149 | 793,418 | 952,568 | 1.56% | 0.24% | 0.47% | 3.73% | 0.45% | 1.08% | 3.05% | 0.86% | 1.22% |
| 2027 | 137,210 | 616,929 | 754,139 | 161,205 | 647,595 | 808,800 | 164,186 | 799,468 | 963,654 | 2.27% | 0.64% | 0.93% | 2.46% | 0.83% | 1.15% | 3.16% | 0.76% | 1.16% |
| 2028 | 141,396 | 619,085 | 760,481 | 166,747 | 652,926 | 819,673 | 171,385 | 805,517 | 976,902 | 3.05% | 0.35% | 0.84% | 3.44% | 0.82% | 1.34% | 4.38% | 0.76% | 1.37% |
| 2029 | 142,164 | 623,697 | 765,861 | 166,343 | 658,257 | 824,599 | 173,134 | 812,285 | 985,419 | 0.54% | 0.75% | 0.71% | -0.24% | 0.82% | 0.60% | 1.02% | 0.84% | 0.87% |
| 2030 | 143,948 | 628,310 | 772,257 | 151,566 | 782,338 | 933,905 | 178,452 | 818,335 | 996,787 | 1.25% | 0.74% | 0.84% | -8.88% | 18.85% | 13.26% | 3.07% | 0.74% | 1.15% |
| 2031 | 146,931 | 630,465 | 777,397 | 154,715 | 788,388 | 943,102 | 182,652 | 825,103 | 1,007,755 | 2.07% | 0.34% | 0.67% | 2.08% | 0.77% | 0.98% | 2.35% | 0.83% | 1.10% |
| 2032 | 153,145 | 635,078 | 788,223 | 162,404 | 793,719 | 956,123 | 191,217 | 831,153 | 1,022,370 | 4.23% | 0.73% | 1.39% | 4.97% | 0.68% | 1.38% | 4.69% | 0.73% | 1.45% |
| 2033 | 152,898 | 639,690 | 792,588 | 163,023 | 799,050 | 962,073 | 193,150 | 837,202 | 1,030,352 | -0.16% | 0.73% | 0.55% | 0.38% | 0.67% | 0.62% | 1.01% | 0.73% | 0.78% |
| 2034 | 154,801 | 644,302 | 799,103 | 167,318 | 804,380 | 971,699 | 197,692 | 843,970 | 1,041,662 | 1.24% | 0.72% | 0.82% | 2.63% | 0.67% | 1.00% | 2.35% | 0.81% | 1.10% |
| 2035 | 160,323 | 646,458 | 806,781 | 171,312 | 810,430 | 981,742 | 203,041 | 850,020 | 1,053,061 | 3.57% | 0.33% | 0.96% | 2.39% | 0.75% | 1.03% | 2.71% | 0.72% | 1.09% |
| 2036 | 166,271 | 651,789 | 818,060 | 179,126 | 815,761 | 994,887 | 212,633 | 856,788 | 1,069,421 | 3.71% | 0.82% | 1.40% | 4.56% | 0.66% | 1.34% | 4.72% | 0.80% | 1.55% |
| 2037 | 146,605 | 777,608 | 924,213 | 179,191 | 821,810 | 1,001,001 | 212,284 | 865,294 | 1,077,578 | -11.83% | 19.30% | 12.98% | 0.04% | 0.74% | 0.61% | -0.16% | 0.99% | 0.76% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 1,634 | 2,812 | 4,446 | 1,669 | 2,845 | 4,514 | 1,704 | 2,879 | 4,583 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,642 | 2,856 | 4,498 | 1,682 | 2,886 | 4,567 | 1,723 | 2,914 | 4,637 | 0.53% | 1.54% | 1.17% | 0.76% | 1.42% | 1.17% | 1.09% | 1.22% | 1.17% |
| 2020 | 1,642 | 2,889 | 4,531 | 1,689 | 2,912 | 4,601 | 1,741 | 2,930 | 4,671 | 0.00% | 1.17% | 0.74% | 0.47% | 0.90% | 0.74% | 1.08% | 0.54% | 0.74% |
| 2021 | 1,646 | 2,937 | 4,584 | 1,704 | 2,950 | 4,654 | 1,760 | 2,965 | 4,725 | 0.24% | 1.67% | 1.15% | 0.86% | 1.32% | 1.15% | 1.07% | 1.20% | 1.15% |
| 2022 | 1,648 | 2,996 | 4,644 | 1,710 | 3,005 | 4,715 | 1,771 | 3,016 | 4,787 | 0.12% | 1.99% | 1.32% | 0.35% | 1.88% | 1.32% | 0.67% | 1.70% | 1.32% |
| 2023 | 1,659 | 3,018 | 4,677 | 1,725 | 3,024 | 4,749 | 1,790 | 3,031 | 4,821 | 0.65% | 0.76% | 0.72% | 0.85% | 0.64% | 0.72% | 1.05% | 0.52% | 0.72% |
| 2024 | 1,663 | 3,066 | 4,729 | 1,739 | 3,063 | 4,802 | 1,807 | 3,068 | 4,875 | 0.24% | 1.60% | 1.11% | 0.85% | 1.27% | 1.11% | 0.93% | 1.23% | 1.11% |
| 2025 | 1,676 | 3,114 | 4,790 | 1,752 | 3,112 | 4,863 | 2,155 | 2,782 | 4,937 | 0.76% | 1.56% | 1.28% | 0.73% | 1.59% | 1.28% | 19.30% | -9.33% | 1.28% |
| 2026 | 1,680 | 3,144 | 4,823 | 1,760 | 3,137 | 4,897 | 2,174 | 2,798 | 4,972 | 0.24% | 0.94% | 0.69% | 0.45% | 0.83% | 0.69% | 0.86% | 0.57% | 0.69% |
| 2027 | 1,690 | 3,193 | 4,884 | 1,774 | 3,184 | 4,958 | 2,190 | 2,844 | 5,034 | 0.64% | 1.58% | 1.25% | 0.83% | 1.49% | 1.25% | 0.76% | 1.63% | 1.25% |
| 2028 | 1,696 | 3,248 | 4,944 | 1,789 | 3,231 | 5,020 | 2,207 | 2,889 | 5,096 | 0.35% | 1.71% | 1.24% | 0.82% | 1.47% | 1.24% | 0.76% | 1.61% | 1.24% |
| 2029 | 1,709 | 3,296 | 5,004 | 1,803 | 3,278 | 5,081 | 2,225 | 2,933 | 5,159 | 0.75% | 1.47% | 1.22% | 0.82% | 1.45% | 1.22% | 0.84% | 1.51% | 1.22% |
| 2030 | 1,721 | 3,889 | 5,610 | 2,143 | 3,553 | 5,696 | 2,242 | 3,541 | 5,783 | 0.74% | 18.01% | 12.11% | 18.85% | 8.40% | 12.11% | 0.74% | 20.73% | 12.11% |
| 2031 | 1,727 | 3,944 | 5,671 | 2,160 | 3,598 | 5,758 | 2,261 | 3,585 | 5,846 | 0.34% | 1.40% | 1.08% | 0.77% | 1.26% | 1.08% | 0.83% | 1.24% | 1.08% |
| 2032 | 1,740 | 3,964 | 5,704 | 2,175 | 3,617 | 5,792 | 2,277 | 3,603 | 5,880 | 0.73% | 0.52% | 0.59% | 0.68% | 0.53% | 0.59% | 0.73% | 0.49% | 0.59% |
| 2033 | 1,753 | 4,012 | 5,765 | 2,189 | 3,664 | 5,853 | 2,294 | 3,648 | 5,942 | 0.73% | 1.21% | 1.06% | 0.67% | 1.29% | 1.06% | 0.73% | 1.27% | 1.06% |
| 2034 | 1,765 | 4,060 | 5,825 | 2,204 | 3,711 | 5,914 | 2,312 | 3,692 | 6,004 | 0.72% | 1.19% | 1.05% | 0.67% | 1.28% | 1.05% | 0.81% | 1.20% | 1.05% |
| 2035 | 1,771 | 4,123 | 5,894 | 2,220 | 3,764 | 5,984 | 2,329 | 3,746 | 6,075 | 0.33% | 1.55% | 1.18% | 0.75% | 1.43% | 1.18% | 0.72% | 1.47% | 1.18% |
| 2036 | 1,786 | 4,169 | 5,954 | 2,235 | 3,811 | 6,046 | 2,347 | 3,790 | 6,138 | 0.82% | 1.11% | 1.03% | 0.66% | 1.24% | 1.03% | 0.80% | 1.17% | 1.03% |
| 2037 | 2,130 | 3,893 | 6,023 | 2,252 | 3,864 | 6,115 | 2,371 | 3,838 | 6,208 | 19.30% | -6.62% | 1.15% | 0.74% | 1.40% | 1.15% | 0.99% | 1.26% | 1.15% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 225,683 | 494,023 | 719,706 | 238,944 | 500,915 | 739,859 | 252,109 | 507,784 | 759,893 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 225,841 | 495,626 | 721,467 | 243,131 | 503,440 | 746,570 | 260,919 | 511,965 | 772,884 | 0.07% | 0.32% | 0.24% | 1.75% | 0.50% | 0.91% | 3.49% | 0.82% | 1.71% |
| 2020 | 227,683 | 497,859 | 725,542 | 249,173 | 507,205 | 756,378 | 269,896 | 517,503 | 787,399 | 0.82% | 0.45% | 0.56% | 2.49% | 0.75% | 1.31% | 3.44% | 1.08% | 1.88% |
| 2021 | 228,456 | 496,742 | 725,198 | 252,486 | 508,731 | 761,217 | 276,792 | 519,243 | 796,035 | 0.34% | -0.22% | -0.05% | 1.33% | 0.30% | 0.64% | 2.56% | 0.34% | 1.10% |
| 2022 | 230,536 | 497,369 | 727,906 | 257,482 | 509,903 | 767,385 | 284,177 | 522,206 | 806,384 | 0.91% | 0.13% | 0.37% | 1.98% | 0.23% | 0.81% | 2.67% | 0.57% | 1.30% |
| 2023 | 233,131 | 500,804 | 733,935 | 262,130 | 513,846 | 775,977 | 291,563 | 526,380 | 817,943 | 1.13% | 0.69% | 0.83% | 1.81% | 0.77% | 1.12% | 2.60% | 0.80% | 1.43% |
| 2024 | 236,458 | 503,007 | 739,465 | 268,097 | 518,732 | 786,829 | 299,853 | 532,377 | 832,230 | 1.43% | 0.44% | 0.75% | 2.28% | 0.95% | 1.40% | 2.84% | 1.14% | 1.75% |
| 2025 | 238,604 | 505,096 | 743,701 | 272,131 | 518,936 | 791,067 | 305,760 | 635,326 | 941,086 | 0.91% | 0.42% | 0.57% | 1.50% | 0.04% | 0.54% | 1.97% | 19.34% | 13.08% |
| 2026 | 241,593 | 505,607 | 747,201 | 277,279 | 522,322 | 799,601 | 313,061 | 639,506 | 952,568 | 1.25% | 0.10% | 0.47% | 1.89% | 0.65% | 1.08% | 2.39% | 0.66% | 1.22% |
| 2027 | 244,861 | 509,278 | 754,139 | 282,297 | 526,503 | 808,800 | 319,968 | 643,686 | 963,654 | 1.35% | 0.73% | 0.93% | 1.81% | 0.80% | 1.15% | 2.21% | 0.65% | 1.16% |
| 2028 | 249,079 | 511,403 | 760,481 | 288,586 | 531,087 | 819,673 | 327,854 | 649,048 | 976,902 | 1.72% | 0.42% | 0.84% | 2.23% | 0.87% | 1.34% | 2.46% | 0.83% | 1.37% |
| 2029 | 251,902 | 513,960 | 765,861 | 292,826 | 531,773 | 824,599 | 333,930 | 651,489 | 985,419 | 1.13% | 0.50% | 0.71% | 1.47% | 0.13% | 0.60% | 1.85% | 0.38% | 0.87% |
| 2030 | 255,663 | 516,594 | 772,257 | 298,226 | 635,678 | 933,905 | 341,117 | 655,670 | 996,787 | 1.49% | 0.51% | 0.84% | 1.84% | 19.54% | 13.26% | 2.15% | 0.64% | 1.15% |
| 2031 | 259,255 | 518,142 | 777,397 | 303,598 | 639,505 | 943,102 | 347,905 | 659,850 | 1,007,755 | 1.40% | 0.30% | 0.67% | 1.80% | 0.60% | 0.98% | 1.99% | 0.64% | 1.10% |
| 2032 | 264,234 | 523,989 | 788,223 | 310,430 | 645,693 | 956,123 | 356,247 | 666,123 | 1,022,370 | 1.92% | 1.13% | 1.39% | 2.25% | 0.97% | 1.38% | 2.40% | 0.95% | 1.45% |
| 2033 | 267,260 | 525,328 | 792,588 | 314,902 | 647,171 | 962,073 | 362,291 | 668,061 | 1,030,352 | 1.15% | 0.26% | 0.55% | 1.44% | 0.23% | 0.62% | 1.70% | 0.29% | 0.78% |
| 2034 | 271,928 | 527,175 | 799,103 | 320,354 | 651,344 | 971,699 | 369,075 | 672,587 | 1,041,662 | 1.75% | 0.35% | 0.82% | 1.73% | 0.64% | 1.00% | 1.87% | 0.68% | 1.10% |
| 2035 | 276,106 | 530,675 | 806,781 | 326,075 | 655,667 | 981,742 | 376,147 | 676,914 | 1,053,061 | 1.54% | 0.66% | 0.96% | 1.79% | 0.66% | 1.03% | 1.92% | 0.64% | 1.09% |
| 2036 | 281,486 | 536,574 | 818,060 | 333,468 | 661,419 | 994,887 | 385,106 | 684,315 | 1,069,421 | 1.95% | 1.11% | 1.40% | 2.27% | 0.88% | 1.34% | 2.38% | 1.09% | 1.55% |
| 2037 | 285,254 | 638,958 | 924,213 | 337,734 | 663,267 | 1,001,001 | 390,587 | 686,990 | 1,077,578 | 1.34% | 19.08% | 12.98% | 1.28% | 0.28% | 0.61% | 1.42% | 0.39% | 0.76% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 170 | 49 | 219 | 180 | 51 | 231 | 190 | 52 | 242 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 170 | 49 | 219 | 183 | 51 | 234 | 197 | 53 | 250 | 0.10% | 0.68% | 0.23% | 1.76% | 1.32% | 1.66% | 3.51% | 1.91% | 3.16% |
| 2020 | 171 | 50 | 220 | 187 | 52 | 239 | 203 | 54 | 257 | 0.44% | 0.51% | 0.46% | 2.09% | 0.81% | 1.81% | 3.05% | 1.72% | 2.77% |
| 2021 | 172 | 50 | 222 | 190 | 53 | 243 | 209 | 55 | 264 | 0.73% | 0.17% | 0.61% | 1.74% | 1.61% | 1.71% | 2.92% | 1.38% | 2.60% |
| 2022 | 174 | 50 | 223 | 194 | 53 | 247 | 214 | 56 | 270 | 0.92% | 0.34% | 0.79% | 1.97% | 0.48% | 1.65% | 2.72% | 1.21% | 2.40% |
| 2023 | 176 | 51 | 226 | 198 | 54 | 251 | 220 | 57 | 276 | 1.10% | 1.68% | 1.23% | 1.85% | 1.74% | 1.82% | 2.57% | 1.80% | 2.41% |
| 2024 | 177 | 51 | 228 | 201 | 55 | 256 | 225 | 58 | 283 | 1.04% | 0.16% | 0.85% | 1.86% | 1.55% | 1.79% | 2.47% | 1.76% | 2.32% |
| 2025 | 180 | 52 | 231 | 205 | 55 | 260 | 230 | 60 | 290 | 1.32% | 1.81% | 1.43% | 1.86% | 0.76% | 1.63% | 2.33% | 3.47% | 2.56% |
| 2026 | 182 | 52 | 234 | 209 | 56 | 265 | 236 | 61 | 297 | 1.25% | 0.16% | 1.01% | 1.91% | 1.37% | 1.80% | 2.39% | 1.68% | 2.24% |
| 2027 | 184 | 53 | 237 | 213 | 57 | 269 | 241 | 62 | 303 | 1.33% | 1.77% | 1.43% | 1.84% | 1.80% | 1.83% | 2.23% | 1.65% | 2.11% |
| 2028 | 187 | 53 | 240 | 217 | 58 | 274 | 246 | 63 | 309 | 1.40% | 0.32% | 1.16% | 1.88% | 1.47% | 1.79% | 2.11% | 1.49% | 1.98% |
| 2029 | 190 | 54 | 243 | 221 | 58 | 279 | 252 | 64 | 315 | 1.52% | 1.74% | 1.56% | 1.81% | 0.87% | 1.61% | 2.20% | 1.60% | 2.08% |
| 2030 | 193 | 54 | 247 | 225 | 60 | 284 | 257 | 65 | 322 | 1.49% | 1.40% | 1.47% | 1.85% | 3.02% | 2.09% | 2.15% | 1.57% | 2.04% |
| 2031 | 195 | 55 | 250 | 229 | 61 | 289 | 262 | 66 | 328 | 1.43% | 0.46% | 1.21% | 1.82% | 1.53% | 1.76% | 2.01% | 1.55% | 1.92% |
| 2032 | 198 | 56 | 254 | 233 | 62 | 295 | 267 | 67 | 334 | 1.54% | 1.83% | 1.60% | 1.86% | 1.65% | 1.81% | 2.00% | 1.52% | 1.91% |
| 2033 | 201 | 57 | 258 | 237 | 63 | 300 | 273 | 68 | 341 | 1.55% | 1.50% | 1.54% | 1.82% | 1.49% | 1.75% | 2.09% | 1.50% | 1.97% |
| 2034 | 205 | 57 | 262 | 241 | 64 | 305 | 278 | 69 | 347 | 1.70% | 0.74% | 1.49% | 1.72% | 1.60% | 1.70% | 1.89% | 1.60% | 1.84% |
| 2035 | 208 | 58 | 266 | 246 | 65 | 310 | 283 | 70 | 353 | 1.51% | 1.32% | 1.46% | 1.80% | 1.57% | 1.75% | 1.89% | 1.46% | 1.80% |
| 2036 | 211 | 59 | 270 | 250 | 66 | 316 | 289 | 71 | 360 | 1.60% | 1.73% | 1.63% | 1.87% | 1.42% | 1.77% | 2.00% | 1.67% | 1.94% |
| 2037 | 215 | 61 | 275 | 254 | 66 | 321 | 294 | 72 | 366 | 1.70% | 3.27% | 2.04% | 1.67% | 1.40% | 1.61% | 1.82% | 1.65% | 1.78% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.22% |
| Medium: | 39.19% |
| Low: | 25.90% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Kennewick Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 13,004,307 | 6,835,876 | 19,840,183 | 13,403,499 | 7,084,494 | 20,487,993 | 13,801,265 | 7,334,706 | 21,135,971 |
| 2019 | 13,291,538 | 6,981,142 | 20,272,680 | 13,786,944 | 7,274,305 | 21,061,249 | 14,294,701 | 7,599,977 | 21,894,678 |
| 2020 | 13,664,510 | 7,101,111 | 20,765,621 | 14,262,039 | 7,462,361 | 21,724,400 | 14,863,382 | 7,825,365 | 22,688,748 |
| 2021 | 13,890,625 | 7,257,598 | 21,148,223 | 14,557,878 | 7,652,172 | 22,210,049 | 15,219,489 | 8,079,254 | 23,298,743 |
| 2022 | 14,211,986 | 7,417,450 | 21,629,436 | 14,942,296 | 7,840,228 | 22,782,524 | 15,694,430 | 8,297,430 | 23,991,861 |
| 2023 | 14,540,677 | 7,580,184 | 22,120,861 | 15,326,357 | 8,030,039 | 23,356,395 | 16,136,337 | 8,512,564 | 24,648,901 |
| 2024 | 14,967,622 | 7,743,883 | 22,711,505 | 15,808,883 | 8,250,605 | 24,059,488 | 16,677,196 | 8,726,732 | 25,403,927 |
| 2025 | 15,203,646 | 7,909,981 | 23,113,627 | 16,120,846 | 8,440,415 | 24,561,261 | 17,019,914 | 8,970,849 | 25,990,763 |
| 2026 | 15,526,105 | 8,044,374 | 23,570,479 | 16,507,911 | 8,628,471 | 25,136,383 | 17,463,084 | 9,181,974 | 26,645,058 |
| 2027 | 15,868,716 | 8,211,761 | 24,080,476 | 16,890,664 | 8,818,443 | 25,709,108 | 17,893,275 | 9,390,701 | 27,283,976 |
| 2028 | 16,309,793 | 8,381,223 | 24,691,015 | 17,383,042 | 9,006,499 | 26,389,542 | 18,429,788 | 9,600,860 | 28,030,648 |
| 2029 | 16,557,123 | 8,551,329 | 25,108,452 | 17,660,575 | 9,196,310 | 26,856,885 | 18,744,140 | 9,808,781 | 28,552,921 |
| 2030 | 16,903,490 | 8,721,597 | 25,625,087 | 18,046,925 | 9,386,120 | 27,433,045 | 19,174,271 | 10,016,220 | 29,190,491 |
| 2031 | 17,249,580 | 8,894,101 | 26,143,681 | 18,430,762 | 9,574,177 | 28,004,939 | 19,614,426 | 10,254,252 | 29,868,678 |
| 2032 | 17,709,388 | 9,065,013 | 26,774,401 | 18,934,282 | 9,763,987 | 28,698,270 | 20,158,960 | 10,461,208 | 30,620,168 |
| 2033 | 17,948,768 | 9,238,001 | 27,186,769 | 19,199,063 | 9,952,044 | 29,151,107 | 20,452,653 | 10,666,087 | 31,118,740 |
| 2034 | 18,300,346 | 9,409,396 | 27,709,742 | 19,585,195 | 10,141,854 | 29,727,049 | 20,870,661 | 10,872,559 | 31,743,220 |
| 2035 | 18,654,487 | 9,582,867 | 28,237,354 | 19,971,826 | 10,329,911 | 30,301,737 | 21,290,552 | 11,077,116 | 32,367,668 |
| 2036 | 19,125,931 | 9,756,499 | 28,882,430 | 20,483,810 | 10,519,721 | 31,003,531 | 21,842,933 | 11,281,351 | 33,124,284 |
| 2037 | 19,360,548 | 9,932,046 | 29,292,594 | 20,743,261 | 10,707,778 | 31,451,039 | 22,123,229 | 11,485,425 | 33,608,654 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.21% | 2.13% | 2.18% | 2.86% | 2.68% | 2.80% | 3.58% | 3.62% | 3.59% |
| 2020 | 2.81% | 1.72% | 2.43% | 3.45% | 2.59% | 3.15% | 3.98% | 2.97% | 3.63% |
| 2021 | 1.65% | 2.20% | 1.84% | 2.07% | 2.54% | 2.24% | 2.40% | 3.24% | 2.69% |
| 2022 | 2.31% | 2.20% | 2.28% | 2.64% | 2.46% | 2.58% | 3.12% | 2.70% | 2.97% |
| 2023 | 2.31% | 2.19% | 2.27% | 2.57% | 2.42% | 2.52% | 2.82% | 2.59% | 2.74% |
| 2024 | 2.94% | 2.16% | 2.67% | 3.15% | 2.75% | 3.01% | 3.35% | 2.52% | 3.06% |
| 2025 | 1.58% | 2.14% | 1.77% | 1.97% | 2.30% | 2.09% | 2.06% | 2.80% | 2.31% |
| 2026 | 2.12% | 1.70% | 1.98% | 2.40% | 2.23% | 2.34% | 2.60% | 2.35% | 2.52% |
| 2027 | 2.21% | 2.08% | 2.16% | 2.32% | 2.20% | 2.28% | 2.46% | 2.27% | 2.40% |
| 2028 | 2.78% | 2.06% | 2.54% | 2.92% | 2.13% | 2.65% | 3.00% | 2.24% | 2.74% |
| 2029 | 1.52% | 2.03% | 1.69% | 1.60% | 2.11% | 1.77% | 1.71% | 2.17% | 1.86% |
| 2030 | 2.09% | 1.99% | 2.06% | 2.19% | 2.06% | 2.15% | 2.29% | 2.11% | 2.23% |
| 2031 | 2.05% | 1.98% | 2.02% | 2.13% | 2.00% | 2.08% | 2.30% | 2.38% | 2.32% |
| 2032 | 2.67% | 1.92% | 2.41% | 2.73% | 1.98% | 2.48% | 2.78% | 2.02% | 2.52% |
| 2033 | 1.35% | 1.91% | 1.54% | 1.40% | 1.93% | 1.58% | 1.46% | 1.96% | 1.63% |
| 2034 | 1.96% | 1.86% | 1.92% | 2.01% | 1.91% | 1.98% | 2.04% | 1.94% | 2.01% |
| 2035 | 1.94% | 1.84% | 1.90% | 1.97% | 1.85% | 1.93% | 2.01% | 1.88% | 1.97% |
| 2036 | 2.53% | 1.81% | 2.28% | 2.56% | 1.84% | 2.32% | 2.59% | 1.84% | 2.34% |
| 2037 | 1.23% | 1.80% | 1.42% | 1.27% | 1.79% | 1.44% | 1.28% | 1.81% | 1.46% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 18,728 | 239,214 | 257,942 | 19,410 | 242,486 | 261,896 | 20,095 | 245,788 | 265,884 |
| 2019 | 19,126 | 246,054 | 265,180 | 19,930 | 249,315 | 269,244 | 20,822 | 252,522 | 273,344 |
| 2020 | 19,455 | 252,912 | 272,367 | 20,445 | 256,096 | 276,541 | 21,439 | 259,313 | 280,752 |
| 2021 | 19,884 | 259,728 | 279,612 | 20,965 | 262,933 | 283,898 | 22,135 | 266,086 | 288,221 |
| 2022 | 20,322 | 266,477 | 286,799 | 21,480 | 269,714 | 291,194 | 22,733 | 272,896 | 295,628 |
| 2023 | 20,768 | 273,269 | 294,037 | 22,000 | 276,543 | 298,543 | 23,322 | 279,767 | 303,089 |
| 2024 | 21,216 | 280,546 | 301,762 | 22,604 | 283,782 | 306,387 | 23,909 | 287,143 | 311,052 |
| 2025 | 21,671 | 287,285 | 308,956 | 23,124 | 290,567 | 313,692 | 24,578 | 293,890 | 318,468 |
| 2026 | 22,039 | 294,155 | 316,194 | 23,640 | 297,401 | 321,040 | 25,156 | 300,773 | 325,929 |
| 2027 | 22,498 | 300,883 | 323,381 | 24,160 | 304,177 | 328,337 | 25,728 | 307,609 | 333,337 |
| 2028 | 22,962 | 307,656 | 330,619 | 24,675 | 311,010 | 335,686 | 26,304 | 314,493 | 340,797 |
| 2029 | 23,428 | 314,428 | 337,856 | 25,195 | 317,839 | 343,034 | 26,873 | 321,384 | 348,258 |
| 2030 | 23,895 | 321,156 | 345,051 | 25,715 | 324,624 | 350,339 | 27,442 | 328,232 | 355,674 |
| 2031 | 24,367 | 327,921 | 352,288 | 26,231 | 331,457 | 357,688 | 28,094 | 335,040 | 363,134 |
| 2032 | 24,836 | 334,639 | 359,475 | 26,751 | 338,234 | 364,984 | 28,661 | 341,881 | 370,542 |
| 2033 | 25,310 | 341,403 | 366,713 | 27,266 | 345,067 | 372,333 | 29,222 | 348,780 | 378,003 |
| 2034 | 25,779 | 348,171 | 373,951 | 27,786 | 351,896 | 379,682 | 29,788 | 355,675 | 385,463 |
| 2035 | 26,254 | 354,891 | 381,145 | 28,301 | 358,685 | 386,987 | 30,348 | 362,531 | 392,879 |
| 2036 | 26,730 | 361,653 | 388,383 | 28,821 | 365,514 | 394,335 | 30,908 | 369,432 | 400,340 |
| 2037 | 27,211 | 368,358 | 395,569 | 29,336 | 372,296 | 401,632 | 31,467 | 376,281 | 407,748 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.13% | 2.86% | 2.81% | 2.68% | 2.82% | 2.81% | 3.62% | 2.74% | 2.81% |
| 2020 | 1.72% | 2.79% | 2.71% | 2.59% | 2.72% | 2.71% | 2.97% | 2.69% | 2.71% |
| 2021 | 2.20% | 2.70% | 2.66% | 2.54% | 2.67% | 2.66% | 3.24% | 2.61% | 2.66% |
| 2022 | 2.20% | 2.60% | 2.57% | 2.46% | 2.58% | 2.57% | 2.70% | 2.56% | 2.57% |
| 2023 | 2.19% | 2.55% | 2.52% | 2.42% | 2.53% | 2.52% | 2.59% | 2.52% | 2.52% |
| 2024 | 2.16% | 2.66% | 2.63% | 2.75% | 2.62% | 2.63% | 2.52% | 2.64% | 2.63% |
| 2025 | 2.14% | 2.40% | 2.38% | 2.30% | 2.39% | 2.38% | 2.80% | 2.35% | 2.38% |
| 2026 | 1.70% | 2.39% | 2.34% | 2.23% | 2.35% | 2.34% | 2.35% | 2.34% | 2.34% |
| 2027 | 2.08% | 2.29% | 2.27% | 2.20% | 2.28% | 2.27% | 2.27% | 2.27% | 2.27% |
| 2028 | 2.06% | 2.25% | 2.24% | 2.13% | 2.25% | 2.24% | 2.24% | 2.24% | 2.24% |
| 2029 | 2.03% | 2.20% | 2.19% | 2.11% | 2.20% | 2.19% | 2.17% | 2.19% | 2.19% |
| 2030 | 1.99% | 2.14% | 2.13% | 2.06% | 2.13% | 2.13% | 2.11% | 2.13% | 2.13% |
| 2031 | 1.98% | 2.11% | 2.10% | 2.00% | 2.11% | 2.10% | 2.38% | 2.07% | 2.10% |
| 2032 | 1.92% | 2.05% | 2.04% | 1.98% | 2.04% | 2.04% | 2.02% | 2.04% | 2.04% |
| 2033 | 1.91% | 2.02% | 2.01% | 1.93% | 2.02% | 2.01% | 1.96% | 2.02% | 2.01% |
| 2034 | 1.86% | 1.98% | 1.97% | 1.91% | 1.98% | 1.97% | 1.94% | 1.98% | 1.97% |
| 2035 | 1.84% | 1.93% | 1.92% | 1.85% | 1.93% | 1.92% | 1.88% | 1.93% | 1.92% |
| 2036 | 1.81% | 1.91% | 1.90% | 1.84% | 1.90% | 1.90% | 1.84% | 1.90% | 1.90% |
| 2037 | 1.80% | 1.85% | 1.85% | 1.79% | 1.86% | 1.85% | 1.81% | 1.85% | 1.85% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 9,127,187 | 10,712,996 | 19,840,183 | 9,436,204 | 11,051,788 | 20,487,993 | 9,745,232 | 11,390,739 | 21,135,971 |
| 2019 | 9,364,471 | 10,908,209 | 20,272,680 | 9,758,766 | 11,302,483 | 21,061,249 | 10,153,208 | 11,741,470 | 21,894,678 |
| 2020 | 9,659,650 | 11,105,971 | 20,765,621 | 10,125,391 | 11,599,009 | 21,724,400 | 10,591,248 | 12,097,499 | 22,688,748 |
| 2021 | 9,879,858 | 11,268,365 | 21,148,223 | 10,403,995 | 11,806,054 | 22,210,049 | 10,928,180 | 12,370,562 | 23,298,743 |
| 2022 | 10,147,712 | 11,481,724 | 21,629,436 | 10,725,821 | 12,056,703 | 22,782,524 | 11,304,157 | 12,687,703 | 23,991,861 |
| 2023 | 10,420,848 | 11,700,012 | 22,120,861 | 11,048,397 | 12,307,998 | 23,356,395 | 11,676,126 | 12,972,775 | 24,648,901 |
| 2024 | 10,745,036 | 11,966,469 | 22,711,505 | 11,421,361 | 12,638,126 | 24,059,488 | 12,097,550 | 13,306,378 | 25,403,927 |
| 2025 | 10,978,010 | 12,135,617 | 23,113,627 | 11,694,274 | 12,866,987 | 24,561,261 | 12,410,366 | 13,580,397 | 25,990,763 |
| 2026 | 11,260,104 | 12,310,375 | 23,570,479 | 12,016,801 | 13,119,581 | 25,136,383 | 12,773,408 | 13,871,650 | 26,645,058 |
| 2027 | 11,544,419 | 12,536,057 | 24,080,476 | 12,339,349 | 13,369,758 | 25,709,108 | 13,134,397 | 14,149,579 | 27,283,976 |
| 2028 | 11,880,671 | 12,810,345 | 24,691,015 | 12,715,899 | 13,673,642 | 26,389,542 | 13,550,947 | 14,479,702 | 28,030,648 |
| 2029 | 12,117,905 | 12,990,547 | 25,108,452 | 12,984,402 | 13,872,483 | 26,856,885 | 13,851,042 | 14,701,879 | 28,552,921 |
| 2030 | 12,406,794 | 13,218,292 | 25,625,087 | 13,307,035 | 14,126,011 | 27,433,045 | 14,207,372 | 14,983,119 | 29,190,491 |
| 2031 | 12,696,889 | 13,446,792 | 26,143,681 | 13,629,692 | 14,375,247 | 28,004,939 | 14,562,297 | 15,306,382 | 29,868,678 |
| 2032 | 13,044,940 | 13,729,461 | 26,774,401 | 14,013,316 | 14,684,954 | 28,698,270 | 14,981,482 | 15,638,686 | 30,620,168 |
| 2033 | 13,279,549 | 13,907,220 | 27,186,769 | 14,273,889 | 14,877,218 | 29,151,107 | 15,268,388 | 15,850,352 | 31,118,740 |
| 2034 | 13,572,547 | 14,137,196 | 27,709,742 | 14,596,494 | 15,130,555 | 29,727,049 | 15,620,340 | 16,122,880 | 31,743,220 |
| 2035 | 13,867,227 | 14,370,127 | 28,237,354 | 14,919,780 | 15,381,957 | 30,301,737 | 15,972,369 | 16,395,299 | 32,367,668 |
| 2036 | 14,223,976 | 14,658,453 | 28,882,430 | 15,309,192 | 15,694,339 | 31,003,531 | 16,394,419 | 16,729,865 | 33,124,284 |
| 2037 | 14,457,312 | 14,835,282 | 29,292,594 | 15,564,950 | 15,886,089 | 31,451,039 | 16,672,650 | 16,936,004 | 33,608,654 |

Annual Change

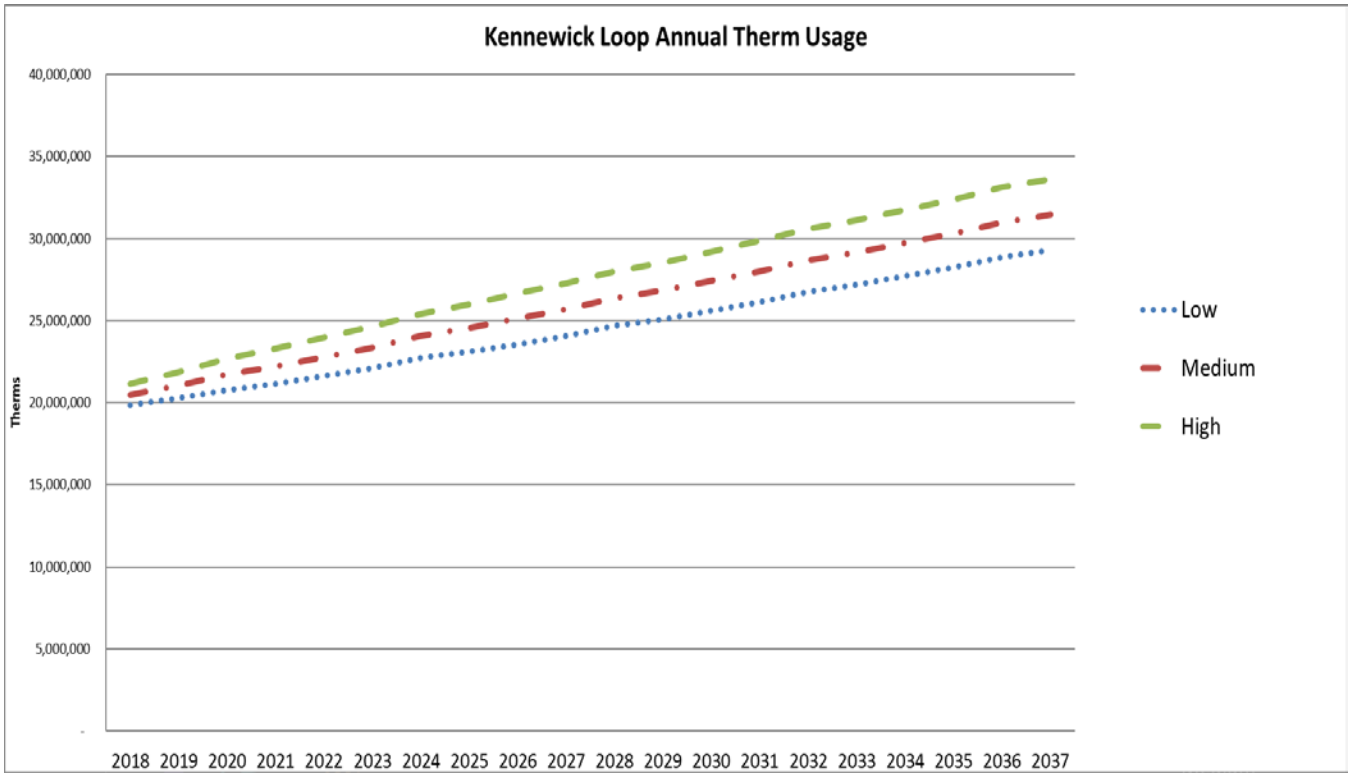
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.60% | 1.82% | 2.18% | 3.42% | 2.27% | 2.80% | 4.19% | 3.08% | 3.59% |
| 2020 | 3.15% | 1.81% | 2.43% | 3.76% | 2.62% | 3.15% | 4.31% | 3.03% | 3.63% |
| 2021 | 2.28% | 1.46% | 1.84% | 2.75% | 1.79% | 2.24% | 3.18% | 2.26% | 2.69% |
| 2022 | 2.71% | 1.89% | 2.28% | 3.09% | 2.12% | 2.58% | 3.44% | 2.56% | 2.97% |
| 2023 | 2.69% | 1.90% | 2.27% | 3.01% | 2.08% | 2.52% | 3.29% | 2.25% | 2.74% |
| 2024 | 3.11% | 2.28% | 2.67% | 3.38% | 2.68% | 3.01% | 3.61% | 2.57% | 3.06% |
| 2025 | 2.17% | 1.41% | 1.77% | 2.39% | 1.81% | 2.09% | 2.59% | 2.06% | 2.31% |
| 2026 | 2.57% | 1.44% | 1.98% | 2.76% | 1.96% | 2.34% | 2.93% | 2.14% | 2.52% |
| 2027 | 2.52% | 1.83% | 2.16% | 2.68% | 1.91% | 2.28% | 2.83% | 2.00% | 2.40% |
| 2028 | 2.91% | 2.19% | 2.54% | 3.05% | 2.27% | 2.65% | 3.17% | 2.33% | 2.74% |
| 2029 | 2.00% | 1.41% | 1.69% | 2.11% | 1.45% | 1.77% | 2.21% | 1.53% | 1.86% |
| 2030 | 2.38% | 1.75% | 2.06% | 2.48% | 1.83% | 2.15% | 2.57% | 1.91% | 2.23% |
| 2031 | 2.34% | 1.73% | 2.02% | 2.42% | 1.76% | 2.08% | 2.50% | 2.16% | 2.32% |
| 2032 | 2.74% | 2.10% | 2.41% | 2.81% | 2.15% | 2.48% | 2.88% | 2.17% | 2.52% |
| 2033 | 1.80% | 1.29% | 1.54% | 1.86% | 1.31% | 1.58% | 1.92% | 1.35% | 1.63% |
| 2034 | 2.21% | 1.65% | 1.92% | 2.26% | 1.70% | 1.98% | 2.31% | 1.72% | 2.01% |
| 2035 | 2.17% | 1.65% | 1.90% | 2.21% | 1.66% | 1.93% | 2.25% | 1.69% | 1.97% |
| 2036 | 2.57% | 2.01% | 2.28% | 2.61% | 2.03% | 2.32% | 2.64% | 2.04% | 2.34% |
| 2037 | 1.64% | 1.21% | 1.42% | 1.67% | 1.22% | 1.44% | 1.70% | 1.23% | 1.46% |

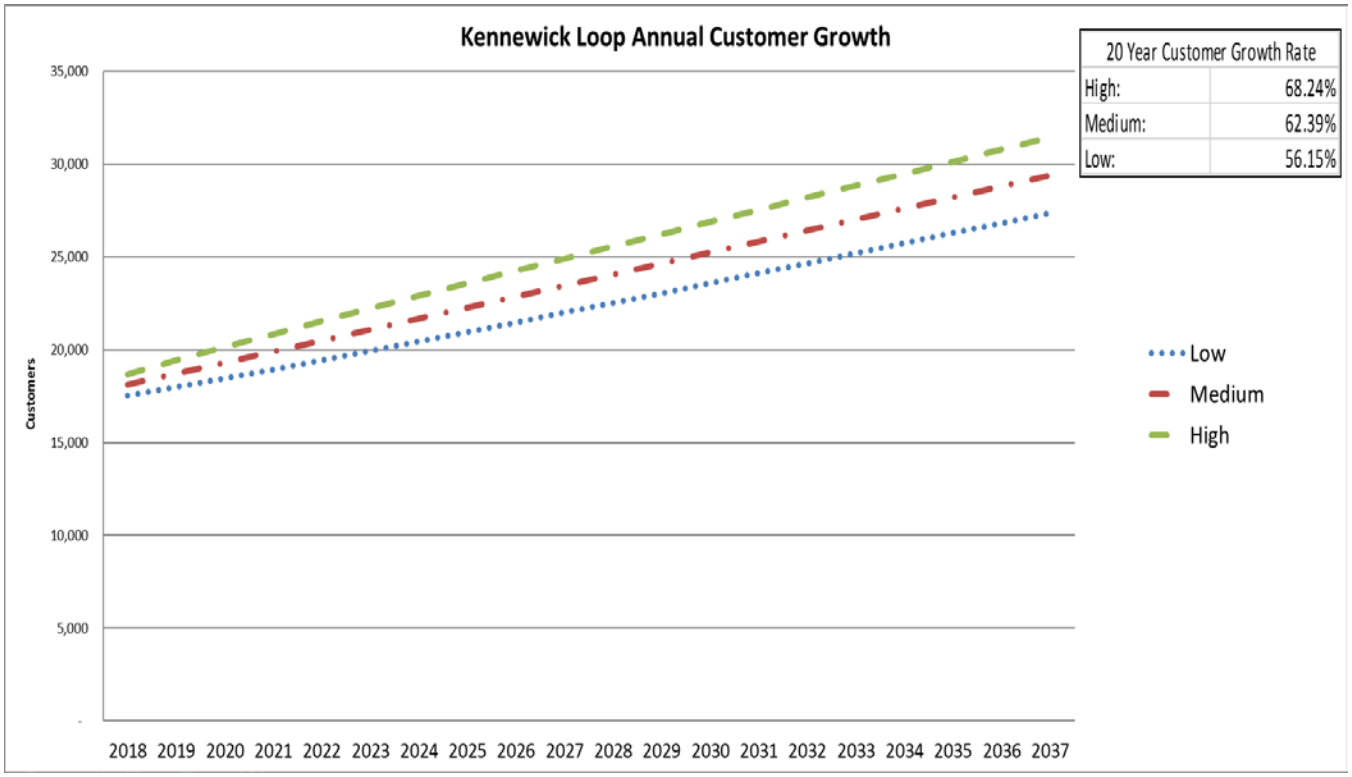
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 15,125 | 2,405 | 17,530 | 15,644 | 2,461 | 18,104 | 16,163 | 2,516 | 18,679 |
| 2019 | 15,521 | 2,451 | 17,971 | 16,180 | 2,519 | 18,699 | 16,839 | 2,588 | 19,427 |
| 2020 | 15,942 | 2,498 | 18,439 | 16,716 | 2,578 | 19,293 | 17,490 | 2,658 | 20,147 |
| 2021 | 16,378 | 2,547 | 18,925 | 17,252 | 2,636 | 19,888 | 18,125 | 2,727 | 20,852 |
| 2022 | 16,824 | 2,597 | 19,421 | 17,787 | 2,695 | 20,482 | 18,751 | 2,794 | 21,545 |
| 2023 | 17,278 | 2,647 | 19,926 | 18,323 | 2,753 | 21,076 | 19,368 | 2,860 | 22,229 |
| 2024 | 17,738 | 2,699 | 20,437 | 18,859 | 2,813 | 21,672 | 19,980 | 2,926 | 22,906 |
| 2025 | 18,203 | 2,750 | 20,953 | 19,395 | 2,871 | 22,266 | 20,587 | 2,992 | 23,579 |
| 2026 | 18,672 | 2,801 | 21,473 | 19,931 | 2,930 | 22,861 | 21,190 | 3,058 | 24,247 |
| 2027 | 19,144 | 2,854 | 21,998 | 20,467 | 2,988 | 23,455 | 21,789 | 3,122 | 24,911 |
| 2028 | 19,619 | 2,906 | 22,526 | 21,003 | 3,047 | 24,050 | 22,386 | 3,187 | 25,572 |
| 2029 | 20,097 | 2,959 | 23,057 | 21,538 | 3,105 | 24,644 | 22,980 | 3,251 | 26,231 |
| 2030 | 20,577 | 3,012 | 23,590 | 22,074 | 3,164 | 25,239 | 23,572 | 3,315 | 26,886 |
| 2031 | 21,059 | 3,066 | 24,125 | 22,610 | 3,222 | 25,833 | 24,161 | 3,379 | 27,541 |
| 2032 | 21,543 | 3,119 | 24,662 | 23,146 | 3,281 | 26,427 | 24,749 | 3,443 | 28,192 |
| 2033 | 22,029 | 3,173 | 25,202 | 23,682 | 3,339 | 27,021 | 25,336 | 3,506 | 28,842 |
| 2034 | 22,515 | 3,227 | 25,742 | 24,218 | 3,398 | 27,616 | 25,920 | 3,570 | 29,490 |
| 2035 | 23,004 | 3,281 | 26,284 | 24,754 | 3,457 | 28,210 | 26,504 | 3,633 | 30,137 |
| 2036 | 23,493 | 3,335 | 26,828 | 25,290 | 3,515 | 28,805 | 27,086 | 3,696 | 30,782 |
| 2037 | 23,984 | 3,389 | 27,373 | 25,825 | 3,574 | 29,399 | 27,667 | 3,759 | 31,426 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.62% | 1.89% | 2.52% | 3.43% | 2.38% | 3.28% | 4.18% | 2.88% | 4.01% |
| 2020 | 2.71% | 1.90% | 2.60% | 3.31% | 2.33% | 3.18% | 3.86% | 2.68% | 3.71% |
| 2021 | 2.74% | 1.97% | 2.63% | 3.21% | 2.27% | 3.08% | 3.63% | 2.58% | 3.50% |
| 2022 | 2.73% | 1.96% | 2.62% | 3.11% | 2.22% | 2.99% | 3.45% | 2.48% | 3.32% |
| 2023 | 2.70% | 1.95% | 2.60% | 3.01% | 2.17% | 2.90% | 3.30% | 2.37% | 3.18% |
| 2024 | 2.66% | 1.94% | 2.57% | 2.93% | 2.15% | 2.82% | 3.16% | 2.30% | 3.05% |
| 2025 | 2.62% | 1.91% | 2.53% | 2.84% | 2.09% | 2.74% | 3.04% | 2.26% | 2.94% |
| 2026 | 2.58% | 1.86% | 2.48% | 2.76% | 2.05% | 2.67% | 2.93% | 2.18% | 2.83% |
| 2027 | 2.53% | 1.87% | 2.44% | 2.69% | 1.99% | 2.60% | 2.83% | 2.11% | 2.74% |
| 2028 | 2.48% | 1.85% | 2.40% | 2.62% | 1.97% | 2.54% | 2.74% | 2.07% | 2.65% |
| 2029 | 2.44% | 1.82% | 2.36% | 2.55% | 1.91% | 2.47% | 2.65% | 2.01% | 2.57% |
| 2030 | 2.39% | 1.79% | 2.31% | 2.49% | 1.90% | 2.41% | 2.58% | 1.97% | 2.50% |
| 2031 | 2.34% | 1.77% | 2.27% | 2.43% | 1.83% | 2.35% | 2.50% | 1.95% | 2.43% |
| 2032 | 2.30% | 1.74% | 2.23% | 2.37% | 1.83% | 2.30% | 2.43% | 1.88% | 2.37% |
| 2033 | 2.25% | 1.73% | 2.19% | 2.31% | 1.77% | 2.25% | 2.37% | 1.84% | 2.30% |
| 2034 | 2.21% | 1.69% | 2.14% | 2.26% | 1.76% | 2.20% | 2.31% | 1.81% | 2.25% |
| 2035 | 2.17% | 1.67% | 2.11% | 2.21% | 1.72% | 2.15% | 2.25% | 1.77% | 2.19% |
| 2036 | 2.13% | 1.65% | 2.07% | 2.16% | 1.70% | 2.11% | 2.20% | 1.73% | 2.14% |
| 2037 | 2.09% | 1.63% | 2.03% | 2.12% | 1.67% | 2.06% | 2.14% | 1.70% | 2.09% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 68.24% |
| Medium: | 62.39% |
| Low: | 56.15% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

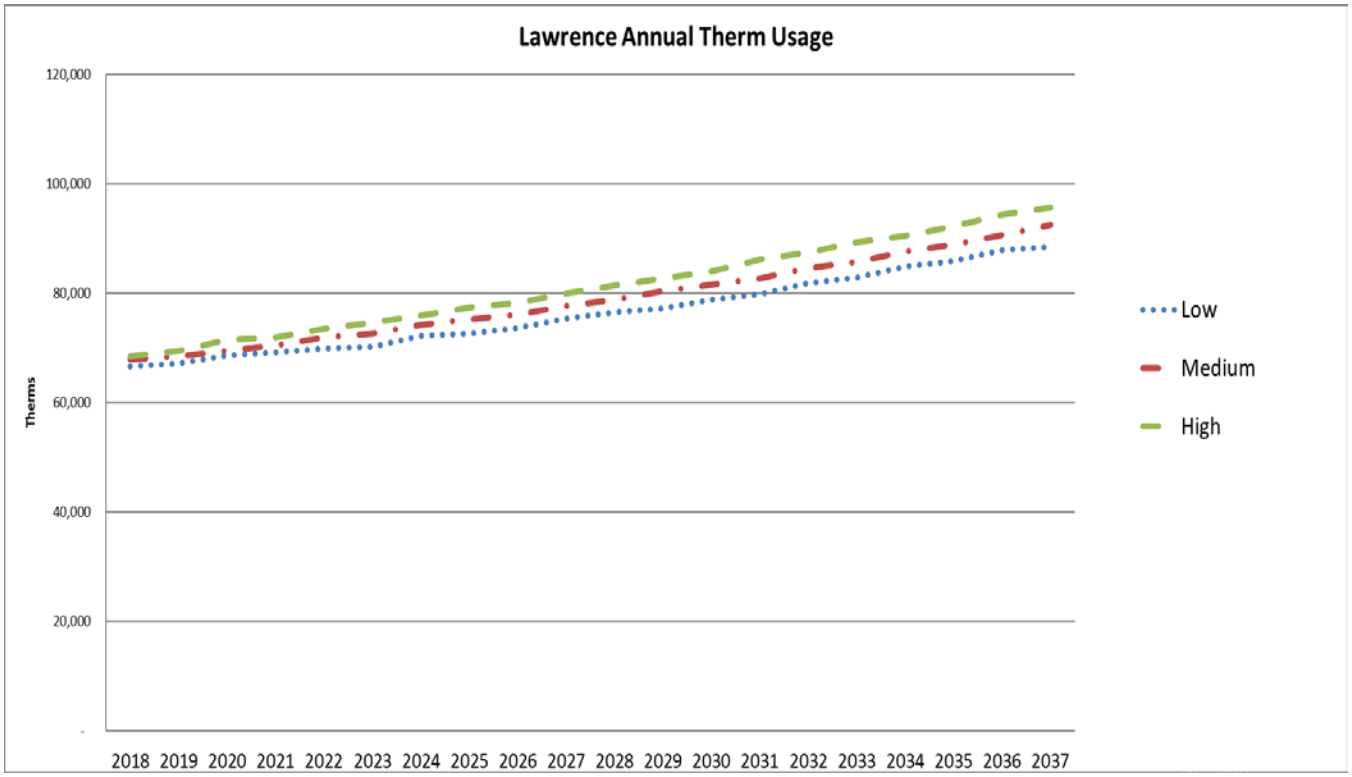
## Lawrence

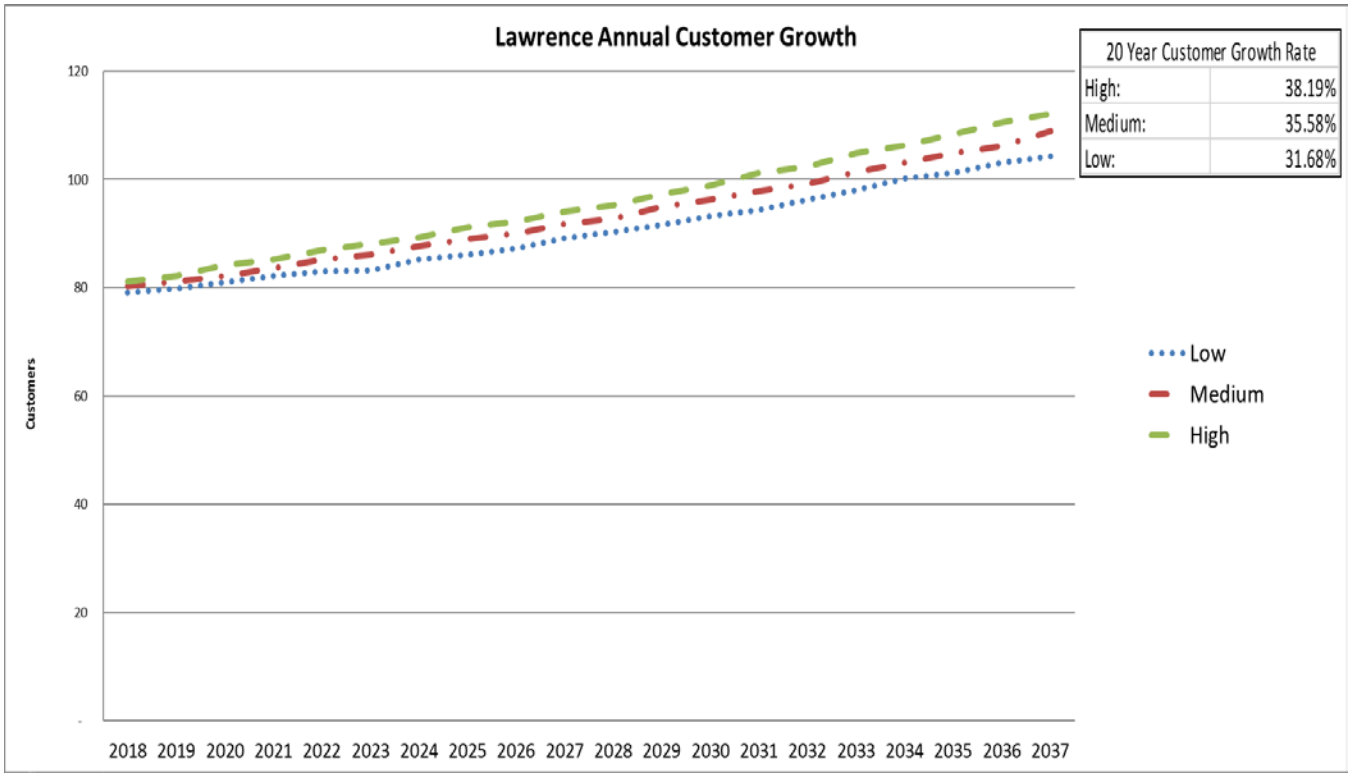
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 50,098 | 16,485 | 66,584 | 51,187 | 16,698 | 67,885 | 51,632 | 16,909 | 68,541 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 50,553 | 16,696 | 67,250 | 51,632 | 16,909 | 68,541 | 52,374 | 17,120 | 69,494 | 0.91% | 1.28% | 1.00% | 0.87% | 1.26% | 0.97% | 1.44% | 1.25% | 1.39% |
| 2020 | 51,664 | 16,909 | 68,573 | 52,440 | 17,120 | 69,560 | 53,982 | 17,544 | 71,525 | 2.20% | 1.27% | 1.97% | 1.56% | 1.25% | 1.49% | 3.07% | 2.47% | 2.92% |
| 2021 | 52,160 | 17,120 | 69,280 | 52,899 | 17,544 | 70,442 | 54,221 | 17,755 | 71,976 | 0.96% | 1.25% | 1.03% | 0.88% | 2.47% | 1.27% | 0.44% | 1.20% | 0.63% |
| 2022 | 52,574 | 17,331 | 69,905 | 54,226 | 17,755 | 71,981 | 55,302 | 18,178 | 73,480 | 0.79% | 1.23% | 0.90% | 2.51% | 1.20% | 2.18% | 1.99% | 2.39% | 2.09% |
| 2023 | 52,906 | 17,331 | 70,237 | 54,754 | 17,966 | 72,719 | 56,288 | 18,389 | 74,677 | 0.63% | 0.00% | 0.47% | 0.97% | 1.19% | 1.03% | 1.78% | 1.16% | 1.63% |
| 2024 | 54,512 | 17,755 | 72,267 | 55,844 | 18,389 | 74,233 | 57,137 | 18,813 | 75,950 | 3.04% | 2.44% | 2.89% | 1.99% | 2.36% | 2.08% | 1.51% | 2.30% | 1.70% |
| 2025 | 54,749 | 17,966 | 72,715 | 56,693 | 18,600 | 75,293 | 58,345 | 19,024 | 77,369 | 0.43% | 1.19% | 0.62% | 1.52% | 1.15% | 1.43% | 2.11% | 1.12% | 1.87% |
| 2026 | 55,491 | 18,177 | 73,667 | 57,357 | 18,811 | 76,168 | 59,086 | 19,235 | 78,321 | 1.35% | 1.17% | 1.31% | 1.17% | 1.13% | 1.16% | 1.27% | 1.11% | 1.23% |
| 2027 | 56,811 | 18,600 | 75,411 | 58,467 | 19,235 | 77,701 | 60,406 | 19,658 | 80,065 | 2.38% | 2.33% | 2.37% | 1.93% | 2.25% | 2.01% | 2.23% | 2.20% | 2.23% |
| 2028 | 57,691 | 18,811 | 76,502 | 59,355 | 19,446 | 78,801 | 61,520 | 19,869 | 81,390 | 1.55% | 1.13% | 1.45% | 1.52% | 1.10% | 1.42% | 1.84% | 1.07% | 1.65% |
| 2029 | 58,029 | 19,235 | 77,264 | 60,525 | 19,869 | 80,395 | 62,503 | 20,293 | 82,796 | 0.59% | 2.25% | 1.00% | 1.97% | 2.18% | 2.02% | 1.60% | 2.13% | 1.73% |
| 2030 | 59,435 | 19,446 | 78,881 | 61,497 | 20,080 | 81,577 | 63,306 | 20,715 | 84,021 | 2.42% | 1.10% | 2.09% | 1.60% | 1.06% | 1.47% | 1.29% | 2.08% | 1.48% |
| 2031 | 60,177 | 19,657 | 79,834 | 62,272 | 20,504 | 82,776 | 65,092 | 21,139 | 86,231 | 1.25% | 1.09% | 1.21% | 1.26% | 2.11% | 1.47% | 2.82% | 2.04% | 2.63% |
| 2032 | 61,827 | 20,080 | 81,907 | 63,899 | 20,715 | 84,614 | 66,186 | 21,350 | 87,536 | 2.74% | 2.15% | 2.60% | 2.61% | 1.03% | 2.22% | 1.68% | 1.00% | 1.51% |
| 2033 | 62,609 | 20,291 | 82,900 | 64,621 | 21,139 | 85,760 | 67,525 | 21,773 | 89,298 | 1.26% | 1.05% | 1.21% | 1.13% | 2.04% | 1.35% | 2.02% | 1.98% | 2.01% |
| 2034 | 64,177 | 20,715 | 84,892 | 66,239 | 21,350 | 87,588 | 68,515 | 21,984 | 90,499 | 2.50% | 2.09% | 2.40% | 2.50% | 1.00% | 2.13% | 1.47% | 0.97% | 1.34% |
| 2035 | 64,913 | 20,926 | 85,839 | 67,169 | 21,773 | 88,942 | 69,662 | 22,619 | 92,281 | 1.15% | 1.02% | 1.12% | 1.40% | 1.98% | 1.55% | 1.67% | 2.89% | 1.97% |
| 2036 | 66,587 | 21,350 | 87,937 | 68,660 | 21,984 | 90,644 | 71,394 | 23,042 | 94,436 | 2.58% | 2.02% | 2.44% | 2.22% | 0.97% | 1.91% | 2.49% | 1.87% | 2.34% |
| 2037 | 66,975 | 21,561 | 88,535 | 69,936 | 22,619 | 92,555 | 72,418 | 23,253 | 95,671 | 0.58% | 0.99% | 0.68% | 1.86% | 2.89% | 2.11% | 1.44% | 0.92% | 1.31% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 45 | 691 | 737 | 46 | 702 | 748 | 46 | 713 | 759 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 46 | 691 | 737 | 46 | 701 | 748 | 47 | 712 | 759 | 1.28% | -0.08% | 0.00% | 1.26% | -0.08% | 0.00% | 1.25% | -0.08% | 0.00% |
| 2020 | 46 | 698 | 744 | 47 | 709 | 755 | 48 | 719 | 767 | 1.27% | 1.01% | 1.02% | 1.25% | 1.01% | 1.02% | 2.47% | 0.93% | 1.02% |
| 2021 | 47 | 705 | 752 | 48 | 715 | 763 | 49 | 726 | 775 | 1.25% | 1.00% | 1.01% | 2.47% | 0.92% | 1.01% | 1.20% | 1.00% | 1.01% |
| 2022 | 47 | 726 | 773 | 49 | 736 | 785 | 50 | 747 | 797 | 1.23% | 2.99% | 2.88% | 1.20% | 2.99% | 2.88% | 2.39% | 2.91% | 2.88% |
| 2023 | 47 | 733 | 781 | 49 | 744 | 793 | 50 | 754 | 805 | 0.00% | 1.04% | 0.98% | 1.19% | 0.96% | 0.98% | 1.16% | 0.96% | 0.98% |
| 2024 | 49 | 754 | 802 | 50 | 764 | 815 | 52 | 776 | 827 | 2.44% | 2.79% | 2.77% | 2.36% | 2.80% | 2.77% | 2.30% | 2.80% | 2.77% |
| 2025 | 49 | 761 | 810 | 51 | 771 | 822 | 52 | 783 | 835 | 1.19% | 0.92% | 0.94% | 1.15% | 0.93% | 0.94% | 1.12% | 0.93% | 0.94% |
| 2026 | 50 | 768 | 818 | 52 | 778 | 830 | 53 | 790 | 843 | 1.17% | 0.92% | 0.93% | 1.13% | 0.92% | 0.93% | 1.11% | 0.92% | 0.93% |
| 2027 | 51 | 788 | 839 | 53 | 799 | 852 | 54 | 811 | 865 | 2.33% | 2.67% | 2.65% | 2.25% | 2.67% | 2.65% | 2.20% | 2.68% | 2.65% |
| 2028 | 52 | 803 | 854 | 53 | 814 | 867 | 54 | 826 | 881 | 1.13% | 1.85% | 1.80% | 1.10% | 1.85% | 1.80% | 1.07% | 1.85% | 1.80% |
| 2029 | 53 | 823 | 876 | 54 | 835 | 889 | 56 | 847 | 903 | 2.25% | 2.55% | 2.53% | 2.18% | 2.56% | 2.53% | 2.13% | 2.56% | 2.53% |
| 2030 | 53 | 830 | 883 | 55 | 842 | 897 | 57 | 854 | 911 | 1.10% | 0.85% | 0.86% | 1.06% | 0.85% | 0.86% | 2.08% | 0.78% | 0.86% |
| 2031 | 54 | 851 | 905 | 56 | 863 | 919 | 58 | 875 | 933 | 1.09% | 2.54% | 2.45% | 2.11% | 2.47% | 2.45% | 2.04% | 2.48% | 2.45% |
| 2032 | 55 | 858 | 913 | 57 | 870 | 927 | 58 | 882 | 941 | 2.15% | 0.75% | 0.83% | 1.03% | 0.82% | 0.83% | 1.00% | 0.82% | 0.83% |
| 2033 | 56 | 879 | 934 | 58 | 891 | 949 | 60 | 903 | 963 | 1.05% | 2.46% | 2.37% | 2.04% | 2.39% | 2.37% | 1.98% | 2.40% | 2.37% |
| 2034 | 57 | 885 | 942 | 58 | 898 | 956 | 60 | 911 | 971 | 2.09% | 0.73% | 0.81% | 1.00% | 0.79% | 0.81% | 0.97% | 0.80% | 0.81% |
| 2035 | 57 | 906 | 963 | 60 | 919 | 978 | 62 | 931 | 993 | 1.02% | 2.38% | 2.30% | 1.98% | 2.32% | 2.30% | 2.89% | 2.26% | 2.30% |
| 2036 | 58 | 920 | 979 | 60 | 933 | 994 | 63 | 946 | 1,009 | 2.02% | 1.54% | 1.57% | 0.97% | 1.60% | 1.57% | 1.87% | 1.54% | 1.57% |
| 2037 | 59 | 941 | 1,000 | 62 | 954 | 1,016 | 64 | 967 | 1,031 | 0.99% | 2.29% | 2.21% | 2.89% | 2.17% | 2.21% | 0.92% | 2.30% | 2.21% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 45,183 | 21,401 | 66,584 | 45,350 | 22,535 | 67,885 | 45,921 | 22,620 | 68,541 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 45,635 | 21,615 | 67,250 | 45,921 | 22,620 | 68,541 | 46,660 | 22,834 | 69,494 | 1.00% | 1.00% | 1.00% | 1.26% | 0.38% | 0.97% | 1.61% | 0.95% | 1.39% |
| 2020 | 46,104 | 22,469 | 68,573 | 46,846 | 22,714 | 69,560 | 47,587 | 23,938 | 71,525 | 1.03% | 3.95% | 1.97% | 2.01% | 0.42% | 1.49% | 1.99% | 4.84% | 2.92% |
| 2021 | 46,660 | 22,620 | 69,280 | 47,399 | 23,044 | 70,442 | 48,138 | 23,838 | 71,976 | 1.21% | 0.67% | 1.03% | 1.18% | 1.45% | 1.27% | 1.16% | -0.42% | 0.63% |
| 2022 | 47,284 | 22,621 | 69,905 | 48,141 | 23,840 | 71,981 | 48,880 | 24,600 | 73,480 | 1.34% | 0.01% | 0.90% | 1.57% | 3.46% | 2.18% | 1.54% | 3.20% | 2.09% |
| 2023 | 47,402 | 22,835 | 70,237 | 48,880 | 23,840 | 72,719 | 49,619 | 25,059 | 74,677 | 0.25% | 0.95% | 0.47% | 1.53% | 0.00% | 1.03% | 1.51% | 1.86% | 1.63% |
| 2024 | 48,329 | 23,938 | 72,267 | 49,695 | 24,538 | 74,233 | 50,554 | 25,395 | 75,950 | 1.96% | 4.83% | 2.89% | 1.67% | 2.93% | 2.08% | 1.89% | 1.34% | 1.70% |
| 2025 | 48,876 | 23,838 | 72,715 | 50,236 | 25,057 | 75,293 | 51,093 | 26,276 | 77,369 | 1.13% | -0.42% | 0.62% | 1.09% | 2.12% | 1.43% | 1.06% | 3.47% | 1.87% |
| 2026 | 49,615 | 24,052 | 73,667 | 50,897 | 25,271 | 76,168 | 51,831 | 26,490 | 78,321 | 1.51% | 0.90% | 1.31% | 1.32% | 0.85% | 1.16% | 1.45% | 0.81% | 1.23% |
| 2027 | 50,354 | 25,057 | 75,411 | 51,426 | 26,276 | 77,701 | 52,570 | 27,495 | 80,065 | 1.49% | 4.18% | 2.37% | 1.04% | 3.98% | 2.01% | 1.43% | 3.79% | 2.23% |
| 2028 | 51,303 | 25,199 | 76,502 | 52,378 | 26,424 | 78,801 | 53,528 | 27,862 | 81,390 | 1.88% | 0.57% | 1.45% | 1.85% | 0.56% | 1.42% | 1.82% | 1.33% | 1.65% |
| 2029 | 51,832 | 25,433 | 77,264 | 53,076 | 27,319 | 80,395 | 54,048 | 28,748 | 82,796 | 1.03% | 0.93% | 1.00% | 1.33% | 3.39% | 2.02% | 0.97% | 3.18% | 1.73% |
| 2030 | 52,570 | 26,311 | 78,881 | 54,048 | 27,529 | 81,577 | 55,059 | 28,962 | 84,021 | 1.43% | 3.45% | 2.09% | 1.83% | 0.77% | 1.47% | 1.87% | 0.74% | 1.48% |
| 2031 | 53,309 | 26,525 | 79,834 | 54,786 | 27,990 | 82,776 | 56,264 | 29,967 | 86,231 | 1.41% | 0.81% | 1.21% | 1.37% | 1.67% | 1.47% | 2.19% | 3.47% | 2.63% |
| 2032 | 54,263 | 27,644 | 81,907 | 55,746 | 28,868 | 84,614 | 57,230 | 30,306 | 87,536 | 1.79% | 4.22% | 2.60% | 1.75% | 3.14% | 2.22% | 1.72% | 1.13% | 1.51% |
| 2033 | 54,790 | 28,110 | 82,900 | 56,268 | 29,492 | 85,760 | 57,745 | 31,552 | 89,298 | 0.97% | 1.68% | 1.21% | 0.94% | 2.16% | 1.35% | 0.90% | 4.11% | 2.01% |
| 2034 | 55,529 | 29,363 | 84,892 | 57,007 | 30,582 | 87,588 | 58,484 | 32,014 | 90,499 | 1.35% | 4.46% | 2.40% | 1.31% | 3.69% | 2.13% | 1.28% | 1.46% | 1.34% |
| 2035 | 56,264 | 29,575 | 85,839 | 57,742 | 31,201 | 88,942 | 59,263 | 33,017 | 92,281 | 1.32% | 0.72% | 1.12% | 1.29% | 2.02% | 1.55% | 1.33% | 3.13% | 1.97% |
| 2036 | 57,230 | 30,707 | 87,937 | 58,713 | 31,931 | 90,644 | 60,938 | 33,498 | 94,436 | 1.72% | 3.83% | 2.44% | 1.68% | 2.34% | 1.91% | 2.83% | 1.45% | 2.34% |
| 2037 | 57,742 | 30,794 | 88,535 | 59,748 | 32,807 | 92,555 | 61,435 | 34,236 | 95,671 | 0.89% | 0.28% | 0.68% | 1.76% | 2.74% | 2.11% | 0.82% | 2.20% | 1.31% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 61 | 18 | 79 | 61 | 19 | 80 | 62 | 19 | 81 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 62 | 18 | 80 | 62 | 19 | 81 | 63 | 19 | 82 | 1.09% | 0.46% | 0.95% | 1.22% | 0.44% | 1.04% | 1.61% | 0.44% | 1.33% |
| 2020 | 62 | 19 | 81 | 63 | 19 | 82 | 64 | 20 | 84 | 0.54% | 4.13% | 1.36% | 1.61% | 0.00% | 1.23% | 1.59% | 4.78% | 2.33% |
| 2021 | 63 | 19 | 82 | 64 | 20 | 84 | 65 | 20 | 85 | 1.61% | 0.88% | 1.44% | 1.59% | 2.62% | 1.83% | 1.56% | 0.00% | 1.19% |
| 2022 | 64 | 19 | 83 | 65 | 20 | 85 | 66 | 21 | 87 | 1.45% | 0.00% | 1.12% | 1.56% | 2.55% | 1.79% | 1.54% | 3.73% | 2.05% |
| 2023 | 64 | 19 | 83 | 66 | 20 | 86 | 67 | 21 | 88 | 0.13% | 0.44% | 0.20% | 1.54% | 0.00% | 1.17% | 1.51% | 1.20% | 1.44% |
| 2024 | 65 | 20 | 85 | 67 | 21 | 88 | 68 | 21 | 89 | 1.56% | 4.78% | 2.30% | 1.39% | 3.32% | 1.84% | 1.49% | 0.79% | 1.32% |
| 2025 | 66 | 20 | 86 | 68 | 21 | 89 | 69 | 22 | 91 | 1.54% | 0.00% | 1.17% | 1.49% | 1.61% | 1.52% | 1.47% | 3.92% | 2.05% |
| 2026 | 67 | 20 | 87 | 69 | 21 | 90 | 70 | 22 | 92 | 1.51% | 0.41% | 1.26% | 1.23% | 0.40% | 1.03% | 1.45% | 0.38% | 1.19% |
| 2027 | 68 | 21 | 89 | 70 | 22 | 92 | 71 | 23 | 94 | 1.49% | 4.55% | 2.20% | 1.21% | 4.33% | 1.94% | 1.43% | 4.14% | 2.08% |
| 2028 | 69 | 21 | 90 | 71 | 22 | 93 | 72 | 23 | 95 | 1.47% | 0.40% | 1.21% | 1.44% | 0.38% | 1.18% | 1.41% | 0.72% | 1.24% |
| 2029 | 70 | 22 | 92 | 72 | 23 | 95 | 73 | 24 | 97 | 1.45% | 1.97% | 1.57% | 1.77% | 4.14% | 2.33% | 1.39% | 3.94% | 2.01% |
| 2030 | 71 | 22 | 93 | 73 | 23 | 96 | 75 | 24 | 99 | 1.43% | 2.70% | 1.73% | 1.62% | 0.36% | 1.32% | 2.17% | 0.34% | 1.71% |
| 2031 | 72 | 22 | 94 | 74 | 24 | 98 | 76 | 25 | 101 | 1.41% | 0.38% | 1.16% | 1.37% | 2.52% | 1.65% | 1.90% | 3.78% | 2.36% |
| 2032 | 73 | 23 | 96 | 75 | 24 | 99 | 77 | 25 | 102 | 1.39% | 4.12% | 2.03% | 1.35% | 1.75% | 1.45% | 1.31% | 0.33% | 1.07% |
| 2033 | 74 | 24 | 98 | 76 | 25 | 101 | 78 | 27 | 105 | 1.37% | 3.24% | 1.82% | 1.33% | 4.83% | 2.18% | 1.30% | 6.27% | 2.52% |
| 2034 | 75 | 25 | 100 | 77 | 26 | 103 | 79 | 27 | 106 | 1.35% | 4.88% | 2.21% | 1.31% | 2.96% | 1.73% | 1.28% | 1.24% | 1.27% |
| 2035 | 76 | 25 | 101 | 78 | 27 | 105 | 80 | 28 | 108 | 1.33% | 0.33% | 1.08% | 1.30% | 2.56% | 1.62% | 1.48% | 3.37% | 1.96% |
| 2036 | 77 | 26 | 103 | 79 | 27 | 106 | 82 | 29 | 111 | 1.31% | 3.64% | 1.89% | 1.28% | 1.25% | 1.27% | 2.28% | 1.48% | 2.08% |
| 2037 | 78 | 26 | 104 | 81 | 28 | 109 | 83 | 29 | 112 | 1.30% | 0.32% | 1.05% | 2.32% | 3.38% | 2.59% | 1.22% | 2.05% | 1.43% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 38.19% |
| Medium: | 35.58% |
| Low: | 31.68% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

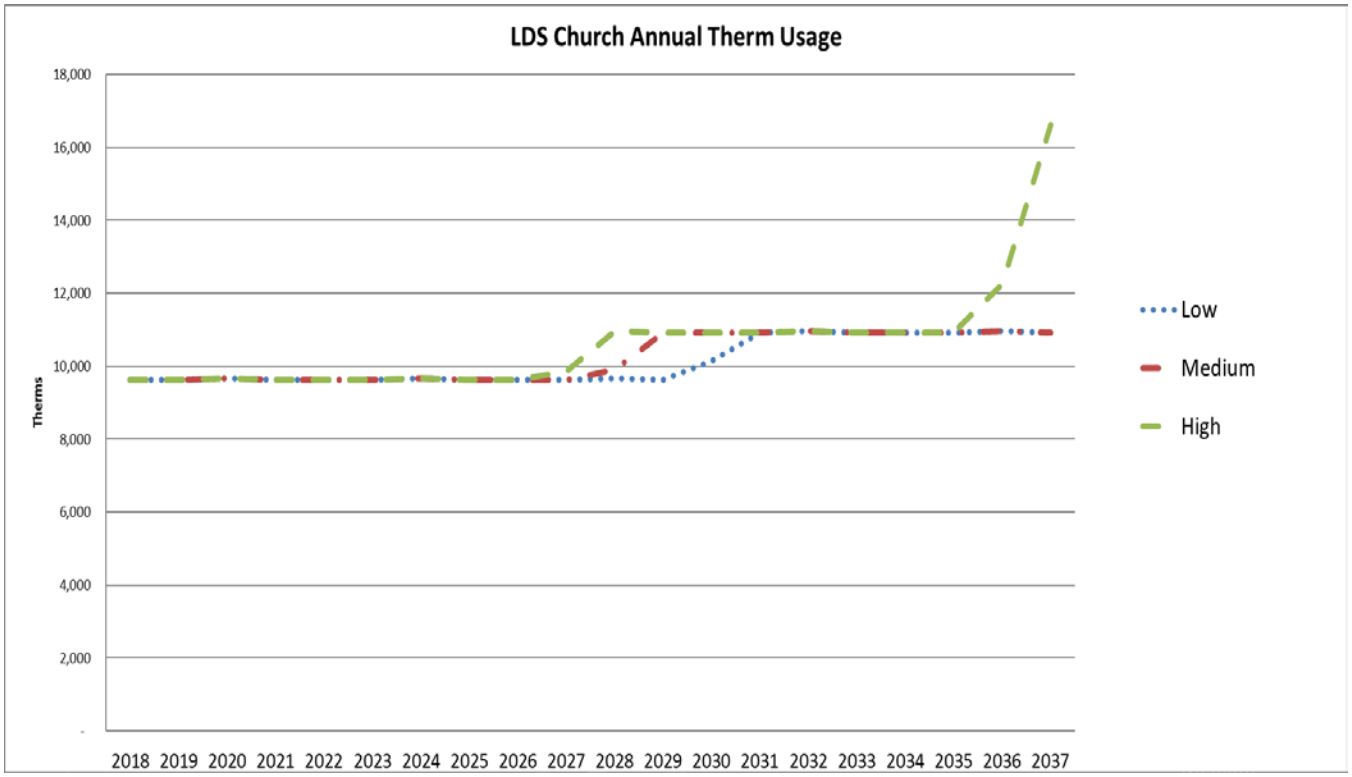
## LDS Church

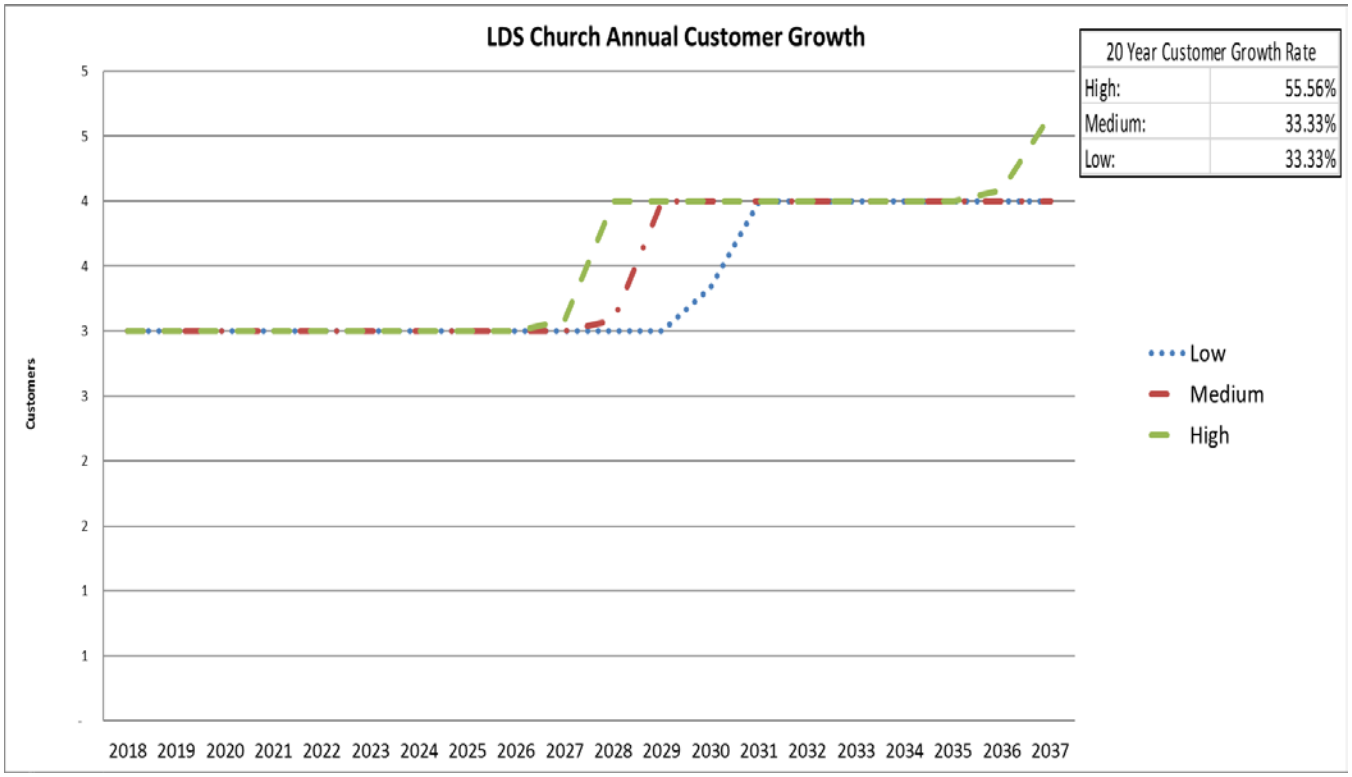
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 8,169 | 1,502 | 9,670 | 8,169 | 1,502 | 9,670 | 8,169 | 1,502 | 9,670 | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% |
| 2021 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% |
| 2022 | 8,123 | 1,502 | 9,625 | 8,123 | 1,502 | 9,625 | 8,123 | 1,502 | 9,625 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 8,123 | 1,502 | 9,625 | 8,123 | 1,502 | 9,625 | 8,123 | 1,502 | 9,625 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 8,169 | 1,502 | 9,670 | 8,169 | 1,502 | 9,670 | 8,169 | 1,502 | 9,670 | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% |
| 2025 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% |
| 2026 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 8,123 | 1,502 | 9,624 | 8,123 | 1,502 | 9,624 | 8,355 | 1,502 | 9,857 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 2.87% | 0.00% | 2.42% |
| 2028 | 8,169 | 1,502 | 9,671 | 8,402 | 1,502 | 9,904 | 9,292 | 1,680 | 10,972 | 0.57% | 0.00% | 0.48% | 3.44% | 0.00% | 2.90% | 11.21% | 11.87% | 11.31% |
| 2029 | 8,123 | 1,502 | 9,624 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | -0.57% | 0.00% | -0.48% | 9.96% | 11.87% | 10.25% | -0.57% | 0.00% | -0.48% |
| 2030 | 8,651 | 1,502 | 10,153 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 6.51% | 0.00% | 5.49% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 6.79% | 11.87% | 7.54% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 9,291 | 1,680 | 10,971 | 9,291 | 1,680 | 10,971 | 9,291 | 1,680 | 10,971 | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% |
| 2033 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% |
| 2034 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 9,291 | 1,680 | 10,971 | 9,291 | 1,680 | 10,971 | 10,581 | 1,680 | 12,260 | 0.57% | 0.00% | 0.48% | 0.57% | 0.00% | 0.48% | 14.52% | 0.00% | 12.29% |
| 2037 | 9,239 | 1,680 | 10,919 | 9,239 | 1,680 | 10,919 | 14,933 | 1,680 | 16,613 | -0.56% | 0.00% | -0.48% | -0.56% | 0.00% | -0.48% | 41.14% | 0.00% | 35.50% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 4 | 87 | 91 | 4 | 88 | 92 | 4 | 90 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 4 | 87 | 91 | 4 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 11.87% | -0.54% | 0.00% |
| 2029 | 4 | 87 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 11.87% | -0.55% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | 4 | 87 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 11.87% | -0.56% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | 5 | 86 | 91 | 5 | 88 | 92 | 5 | 89 | 94 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 2,602 | 7,069 | 9,670 | 2,602 | 7,069 | 9,670 | 2,602 | 7,069 | 9,670 | 0.49% | 0.47% | 0.48% | 0.49% | 0.47% | 0.48% | 0.49% | 0.47% | 0.48% |
| 2021 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | -0.49% | -0.47% | -0.48% | -0.49% | -0.47% | -0.48% | -0.49% | -0.47% | -0.48% |
| 2022 | 2,589 | 7,035 | 9,625 | 2,589 | 7,035 | 9,625 | 2,589 | 7,035 | 9,625 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 2,589 | 7,035 | 9,625 | 2,589 | 7,035 | 9,625 | 2,589 | 7,035 | 9,625 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 2,602 | 7,069 | 9,670 | 2,602 | 7,069 | 9,670 | 2,602 | 7,069 | 9,670 | 0.48% | 0.47% | 0.48% | 0.48% | 0.47% | 0.48% | 0.48% | 0.47% | 0.48% |
| 2025 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | -0.49% | -0.47% | -0.48% | -0.49% | -0.47% | -0.48% | -0.49% | -0.47% | -0.48% |
| 2026 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 2,589 | 7,035 | 9,624 | 2,589 | 7,035 | 9,624 | 2,822 | 7,035 | 9,857 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 8.99% | 0.00% | 2.42% |
| 2028 | 2,602 | 7,069 | 9,671 | 2,835 | 7,069 | 9,904 | 3,903 | 7,069 | 10,972 | 0.50% | 0.47% | 0.48% | 9.49% | 0.47% | 2.90% | 38.31% | 0.47% | 11.31% |
| 2029 | 2,589 | 7,035 | 9,624 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | -0.49% | -0.47% | -0.48% | 37.00% | -0.47% | 10.25% | -0.49% | -0.47% | -0.48% |
| 2030 | 3,118 | 7,035 | 10,153 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 20.42% | 0.00% | 5.49% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 24.56% | 0.00% | 7.54% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 3,903 | 7,069 | 10,971 | 3,903 | 7,069 | 10,971 | 3,903 | 7,069 | 10,971 | 0.49% | 0.47% | 0.48% | 0.49% | 0.47% | 0.48% | 0.49% | 0.47% | 0.48% |
| 2033 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | -0.48% | -0.47% | -0.48% | -0.48% | -0.47% | -0.48% | -0.48% | -0.47% | -0.48% |
| 2034 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 3,903 | 7,069 | 10,971 | 3,903 | 7,069 | 10,971 | 3,903 | 8,358 | 12,260 | 0.49% | 0.47% | 0.48% | 0.49% | 0.47% | 0.48% | 0.49% | 18.80% | 12.29% |
| 2037 | 3,884 | 7,035 | 10,919 | 3,884 | 7,035 | 10,919 | 3,884 | 12,729 | 16,613 | -0.49% | -0.47% | -0.48% | -0.49% | -0.47% | -0.48% | -0.49% | 52.31% | 35.50% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 2 | 1 | 3 | 2 | 1 | 3 | 2 | 1 | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 2.78% |
| 2028 | 2 | 1 | 3 | 2 | 1 | 3 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 2.78% | 44.00% | 0.00% | 29.73% |
| 2029 | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 44.00% | 0.00% | 29.73% | 0.00% | 0.00% | 0.00% |
| 2030 | 2 | 1 | 3 | 3 | 1 | 4 | 3 | 1 | 4 | 16.67% | 0.00% | 11.11% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 28.57% | 0.00% | 20.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 1 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 8.33% | 2.08% |
| 2037 | 3 | 1 | 4 | 3 | 1 | 4 | 3 | 2 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 53.85% | 14.29% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 55.56% |
| Medium: | 33.33% |
| Low: | 33.33% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Longview South Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,636,756 | 1,324,320 | 3,961,077 | 2,740,976 | 1,380,370 | 4,121,346 | 2,844,776 | 1,436,420 | 4,281,196 |
| 2019 | 2,641,664 | 1,326,957 | 3,968,621 | 2,776,639 | 1,396,487 | 4,173,126 | 2,910,409 | 1,467,118 | 4,377,527 |
| 2020 | 2,668,530 | 1,333,983 | 4,002,512 | 2,828,477 | 1,415,023 | 4,243,500 | 3,000,343 | 1,502,336 | 4,502,679 |
| 2021 | 2,669,338 | 1,341,552 | 4,010,890 | 2,859,746 | 1,438,731 | 4,298,476 | 3,040,101 | 1,529,637 | 4,569,738 |
| 2022 | 2,698,424 | 1,358,140 | 4,056,564 | 2,895,185 | 1,458,694 | 4,353,879 | 3,093,900 | 1,558,038 | 4,651,938 |
| 2023 | 2,720,387 | 1,369,990 | 4,090,377 | 2,935,231 | 1,477,447 | 4,412,678 | 3,150,570 | 1,585,013 | 4,735,583 |
| 2024 | 2,762,601 | 1,383,267 | 4,145,868 | 2,995,414 | 1,497,519 | 4,492,933 | 3,227,221 | 1,613,088 | 4,840,310 |
| 2025 | 2,772,921 | 1,396,762 | 4,169,682 | 3,017,664 | 1,518,908 | 4,536,572 | 3,275,759 | 1,646,119 | 4,921,878 |
| 2026 | 2,812,445 | 1,417,847 | 4,230,292 | 3,072,206 | 1,545,361 | 4,617,567 | 3,330,523 | 1,674,194 | 5,004,717 |
| 2027 | 2,844,235 | 1,432,877 | 4,277,113 | 3,115,537 | 1,568,070 | 4,683,606 | 3,387,709 | 1,702,161 | 5,089,870 |
| 2028 | 2,891,760 | 1,449,226 | 4,340,985 | 3,177,369 | 1,589,677 | 4,767,045 | 3,461,943 | 1,731,338 | 5,193,281 |
| 2029 | 2,910,162 | 1,466,892 | 4,377,054 | 3,205,650 | 1,613,703 | 4,819,354 | 3,513,448 | 1,765,577 | 5,279,025 |
| 2030 | 2,945,979 | 1,484,776 | 4,430,755 | 3,263,733 | 1,642,901 | 4,906,634 | 3,570,646 | 1,794,754 | 5,365,400 |
| 2031 | 2,994,382 | 1,510,143 | 4,504,524 | 3,312,178 | 1,667,036 | 4,979,215 | 3,629,617 | 1,823,930 | 5,453,547 |
| 2032 | 3,051,703 | 1,529,453 | 4,581,157 | 3,382,669 | 1,691,280 | 5,073,949 | 3,714,402 | 1,853,107 | 5,567,509 |
| 2033 | 3,071,111 | 1,549,974 | 4,621,085 | 3,410,148 | 1,716,733 | 5,126,881 | 3,748,768 | 1,883,602 | 5,632,370 |
| 2034 | 3,112,108 | 1,570,712 | 4,682,819 | 3,460,833 | 1,742,295 | 5,203,129 | 3,821,077 | 1,920,261 | 5,741,338 |
| 2035 | 3,155,155 | 1,592,659 | 4,747,814 | 3,514,583 | 1,767,966 | 5,282,550 | 3,884,153 | 1,950,756 | 5,834,909 |
| 2036 | 3,219,197 | 1,614,715 | 4,833,913 | 3,600,916 | 1,801,119 | 5,402,035 | 3,970,408 | 1,982,460 | 5,952,868 |
| 2037 | 3,255,130 | 1,643,153 | 4,898,283 | 3,632,155 | 1,828,108 | 5,460,263 | 4,008,205 | 2,014,164 | 6,022,370 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.19% | 0.20% | 0.19% | 1.30% | 1.17% | 1.26% | 2.31% | 2.14% | 2.25% |
| 2020 | 1.02% | 0.53% | 0.85% | 1.87% | 1.33% | 1.69% | 3.09% | 2.40% | 2.86% |
| 2021 | 0.03% | 0.57% | 0.21% | 1.11% | 1.68% | 1.30% | 1.33% | 1.82% | 1.49% |
| 2022 | 1.09% | 1.24% | 1.14% | 1.24% | 1.39% | 1.29% | 1.77% | 1.86% | 1.80% |
| 2023 | 0.81% | 0.87% | 0.83% | 1.38% | 1.29% | 1.35% | 1.83% | 1.73% | 1.80% |
| 2024 | 1.55% | 0.97% | 1.36% | 2.05% | 1.36% | 1.82% | 2.43% | 1.77% | 2.21% |
| 2025 | 0.37% | 0.98% | 0.57% | 0.74% | 1.43% | 0.97% | 1.50% | 2.05% | 1.69% |
| 2026 | 1.43% | 1.51% | 1.45% | 1.81% | 1.74% | 1.79% | 1.67% | 1.71% | 1.68% |
| 2027 | 1.13% | 1.06% | 1.11% | 1.41% | 1.47% | 1.43% | 1.72% | 1.67% | 1.70% |
| 2028 | 1.67% | 1.14% | 1.49% | 1.98% | 1.38% | 1.78% | 2.19% | 1.71% | 2.03% |
| 2029 | 0.64% | 1.22% | 0.83% | 0.89% | 1.51% | 1.10% | 1.49% | 1.98% | 1.65% |
| 2030 | 1.23% | 1.22% | 1.23% | 1.81% | 1.81% | 1.81% | 1.63% | 1.65% | 1.64% |
| 2031 | 1.64% | 1.71% | 1.66% | 1.48% | 1.47% | 1.48% | 1.65% | 1.63% | 1.64% |
| 2032 | 1.91% | 1.28% | 1.70% | 2.13% | 1.45% | 1.90% | 2.34% | 1.60% | 2.09% |
| 2033 | 0.64% | 1.34% | 0.87% | 0.81% | 1.50% | 1.04% | 0.93% | 1.65% | 1.16% |
| 2034 | 1.33% | 1.34% | 1.34% | 1.49% | 1.49% | 1.49% | 1.93% | 1.95% | 1.93% |
| 2035 | 1.38% | 1.40% | 1.39% | 1.55% | 1.47% | 1.53% | 1.65% | 1.59% | 1.63% |
| 2036 | 2.03% | 1.38% | 1.81% | 2.46% | 1.88% | 2.26% | 2.22% | 1.63% | 2.02% |
| 2037 | 1.12% | 1.76% | 1.33% | 0.87% | 1.50% | 1.08% | 0.95% | 1.60% | 1.17% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 3,628 | 38,795 | 42,423 | 3,782 | 39,291 | 43,073 | 3,935 | 39,794 | 43,729 |
| 2019 | 3,635 | 39,328 | 42,963 | 3,826 | 39,796 | 43,622 | 4,020 | 40,266 | 44,286 |
| 2020 | 3,655 | 39,888 | 43,542 | 3,877 | 40,333 | 44,210 | 4,116 | 40,767 | 44,883 |
| 2021 | 3,675 | 40,619 | 44,295 | 3,942 | 41,032 | 44,974 | 4,191 | 41,468 | 45,659 |
| 2022 | 3,721 | 41,157 | 44,878 | 3,996 | 41,570 | 45,566 | 4,269 | 41,991 | 46,260 |
| 2023 | 3,753 | 41,743 | 45,497 | 4,048 | 42,146 | 46,194 | 4,343 | 42,555 | 46,898 |
| 2024 | 3,790 | 42,330 | 46,120 | 4,103 | 42,724 | 46,826 | 4,419 | 43,120 | 47,539 |
| 2025 | 3,827 | 42,920 | 46,746 | 4,161 | 43,302 | 47,463 | 4,510 | 43,676 | 48,186 |
| 2026 | 3,885 | 43,697 | 47,582 | 4,234 | 44,077 | 48,311 | 4,587 | 44,460 | 49,046 |
| 2027 | 3,926 | 44,357 | 48,283 | 4,296 | 44,727 | 49,023 | 4,663 | 45,106 | 49,769 |
| 2028 | 3,970 | 45,018 | 48,988 | 4,355 | 45,384 | 49,739 | 4,743 | 45,753 | 50,496 |
| 2029 | 4,019 | 45,675 | 49,693 | 4,421 | 46,034 | 50,455 | 4,837 | 46,386 | 51,223 |
| 2030 | 4,068 | 46,543 | 50,611 | 4,501 | 46,886 | 51,387 | 4,917 | 47,252 | 52,169 |
| 2031 | 4,137 | 47,218 | 51,356 | 4,567 | 47,576 | 52,143 | 4,997 | 47,940 | 52,937 |
| 2032 | 4,190 | 47,914 | 52,105 | 4,634 | 48,269 | 52,903 | 5,077 | 48,632 | 53,709 |
| 2033 | 4,247 | 48,642 | 52,888 | 4,703 | 48,996 | 53,699 | 5,161 | 49,356 | 54,517 |
| 2034 | 4,303 | 49,373 | 53,676 | 4,773 | 49,726 | 54,499 | 5,261 | 50,068 | 55,329 |
| 2035 | 4,363 | 50,140 | 54,504 | 4,844 | 50,495 | 55,339 | 5,345 | 50,837 | 56,182 |
| 2036 | 4,424 | 51,045 | 55,469 | 4,935 | 51,385 | 56,319 | 5,431 | 51,745 | 57,177 |
| 2037 | 4,502 | 51,830 | 56,331 | 5,009 | 52,186 | 57,195 | 5,518 | 52,547 | 58,066 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.20% | 1.37% | 1.27% | 1.17% | 1.28% | 1.27% | 2.14% | 1.19% | 1.27% |
| 2020 | 0.53% | 1.42% | 1.35% | 1.33% | 1.35% | 1.35% | 2.40% | 1.24% | 1.35% |
| 2021 | 0.57% | 1.83% | 1.73% | 1.68% | 1.73% | 1.73% | 1.82% | 1.72% | 1.73% |
| 2022 | 1.24% | 1.32% | 1.32% | 1.39% | 1.31% | 1.32% | 1.86% | 1.26% | 1.32% |
| 2023 | 0.87% | 1.42% | 1.38% | 1.29% | 1.39% | 1.38% | 1.73% | 1.34% | 1.38% |
| 2024 | 0.97% | 1.40% | 1.37% | 1.36% | 1.37% | 1.37% | 1.77% | 1.33% | 1.37% |
| 2025 | 0.98% | 1.39% | 1.36% | 1.43% | 1.35% | 1.36% | 2.05% | 1.29% | 1.36% |
| 2026 | 1.51% | 1.81% | 1.79% | 1.74% | 1.79% | 1.79% | 1.71% | 1.79% | 1.79% |
| 2027 | 1.06% | 1.51% | 1.47% | 1.47% | 1.47% | 1.47% | 1.67% | 1.45% | 1.47% |
| 2028 | 1.14% | 1.49% | 1.46% | 1.38% | 1.47% | 1.46% | 1.71% | 1.43% | 1.46% |
| 2029 | 1.22% | 1.46% | 1.44% | 1.51% | 1.43% | 1.44% | 1.98% | 1.38% | 1.44% |
| 2030 | 1.22% | 1.90% | 1.85% | 1.81% | 1.85% | 1.85% | 1.65% | 1.87% | 1.85% |
| 2031 | 1.71% | 1.45% | 1.47% | 1.47% | 1.47% | 1.47% | 1.63% | 1.46% | 1.47% |
| 2032 | 1.28% | 1.47% | 1.46% | 1.45% | 1.46% | 1.46% | 1.60% | 1.44% | 1.46% |
| 2033 | 1.34% | 1.52% | 1.50% | 1.50% | 1.50% | 1.50% | 1.65% | 1.49% | 1.50% |
| 2034 | 1.34% | 1.50% | 1.49% | 1.49% | 1.49% | 1.49% | 1.95% | 1.44% | 1.49% |
| 2035 | 1.40% | 1.55% | 1.54% | 1.47% | 1.55% | 1.54% | 1.59% | 1.54% | 1.54% |
| 2036 | 1.38% | 1.80% | 1.77% | 1.88% | 1.76% | 1.77% | 1.63% | 1.79% | 1.77% |
| 2037 | 1.76% | 1.54% | 1.55% | 1.50% | 1.56% | 1.55% | 1.60% | 1.55% | 1.55% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 730,255 | 3,230,822 | 3,961,077 | 772,059 | 3,349,287 | 4,121,346 | 813,798 | 3,467,398 | 4,281,196 |
| 2019 | 730,099 | 3,238,522 | 3,968,621 | 786,766 | 3,386,359 | 4,173,126 | 843,069 | 3,534,458 | 4,377,527 |
| 2020 | 736,556 | 3,265,956 | 4,002,512 | 804,869 | 3,438,631 | 4,243,500 | 873,258 | 3,629,421 | 4,502,679 |
| 2021 | 738,634 | 3,272,257 | 4,010,890 | 816,581 | 3,481,895 | 4,298,476 | 894,579 | 3,675,159 | 4,569,738 |
| 2022 | 745,038 | 3,311,525 | 4,056,564 | 831,711 | 3,522,168 | 4,353,879 | 918,371 | 3,733,567 | 4,651,938 |
| 2023 | 752,820 | 3,337,557 | 4,090,377 | 847,296 | 3,565,382 | 4,412,678 | 941,844 | 3,793,739 | 4,735,583 |
| 2024 | 764,791 | 3,381,077 | 4,145,868 | 867,061 | 3,625,872 | 4,492,933 | 969,389 | 3,870,920 | 4,840,310 |
| 2025 | 770,856 | 3,398,826 | 4,169,682 | 879,556 | 3,657,016 | 4,536,572 | 988,272 | 3,933,606 | 4,921,878 |
| 2026 | 780,793 | 3,449,499 | 4,230,292 | 895,951 | 3,721,616 | 4,617,567 | 1,011,057 | 3,993,659 | 5,004,717 |
| 2027 | 791,391 | 3,485,721 | 4,277,113 | 912,584 | 3,771,022 | 4,683,606 | 1,033,777 | 4,056,094 | 5,089,870 |
| 2028 | 805,302 | 3,535,683 | 4,340,985 | 932,675 | 3,834,370 | 4,767,045 | 1,060,213 | 4,133,068 | 5,193,281 |
| 2029 | 814,070 | 3,562,984 | 4,377,054 | 946,509 | 3,872,845 | 4,819,354 | 1,079,072 | 4,199,953 | 5,279,025 |
| 2030 | 826,086 | 3,604,669 | 4,430,755 | 963,903 | 3,942,732 | 4,906,634 | 1,101,683 | 4,263,717 | 5,365,400 |
| 2031 | 838,564 | 3,665,961 | 4,504,524 | 981,437 | 3,997,778 | 4,979,215 | 1,124,350 | 4,329,197 | 5,453,547 |
| 2032 | 854,950 | 3,726,207 | 4,581,157 | 1,003,504 | 4,070,445 | 5,073,949 | 1,151,980 | 4,415,529 | 5,567,509 |
| 2033 | 864,345 | 3,756,739 | 4,621,085 | 1,016,944 | 4,109,937 | 5,126,881 | 1,169,533 | 4,462,836 | 5,632,370 |
| 2034 | 877,934 | 3,804,885 | 4,682,819 | 1,035,164 | 4,167,964 | 5,203,129 | 1,192,390 | 4,548,948 | 5,741,338 |
| 2035 | 892,170 | 3,855,644 | 4,747,814 | 1,054,040 | 4,228,509 | 5,282,550 | 1,215,726 | 4,619,183 | 5,834,909 |
| 2036 | 910,350 | 3,923,563 | 4,833,913 | 1,077,214 | 4,324,821 | 5,402,035 | 1,243,978 | 4,708,890 | 5,952,868 |
| 2037 | 921,139 | 3,977,144 | 4,898,283 | 1,091,487 | 4,368,776 | 5,460,263 | 1,261,824 | 4,760,546 | 6,022,370 |

Annual Change

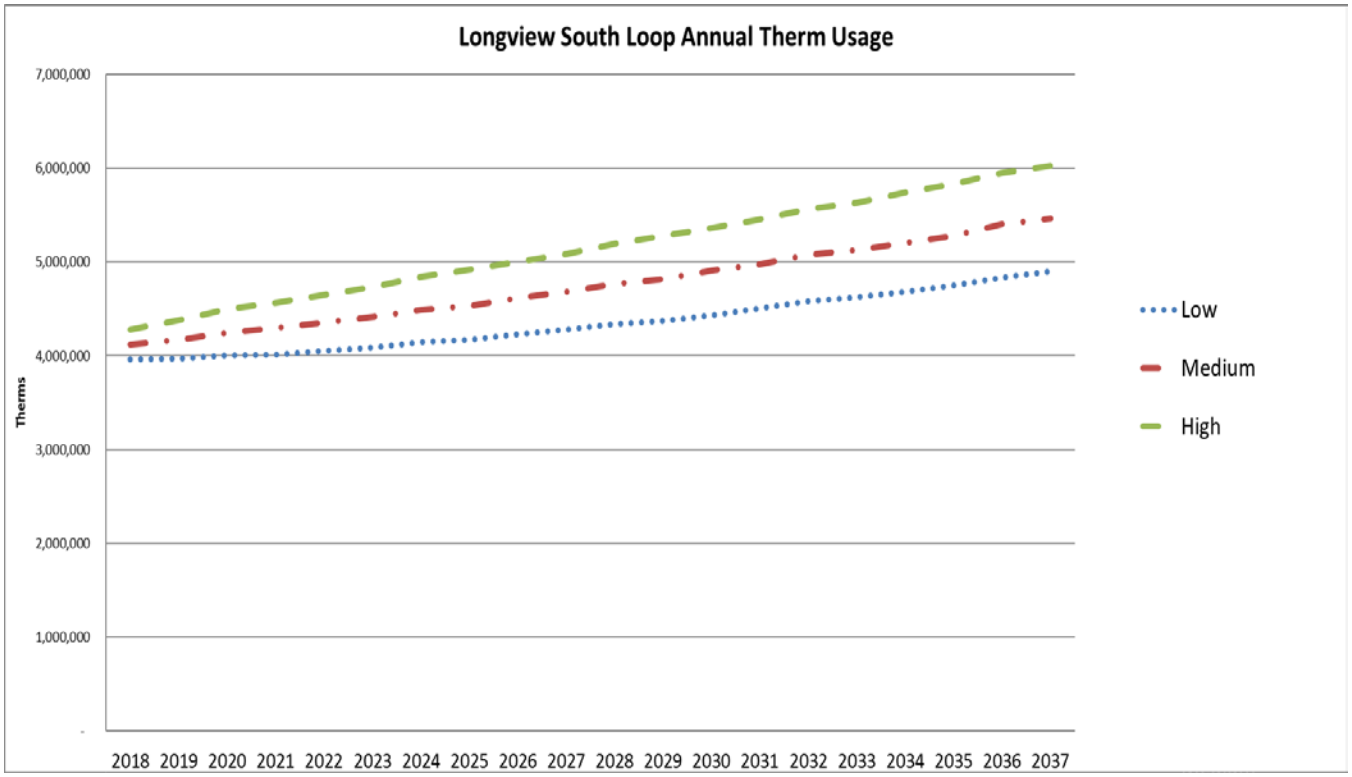
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.02% | 0.24% | 0.19% | 1.90% | 1.11% | 1.26% | 3.60% | 1.93% | 2.25% |
| 2020 | 0.88% | 0.85% | 0.85% | 2.30% | 1.54% | 1.69% | 3.58% | 2.69% | 2.86% |
| 2021 | 0.28% | 0.19% | 0.21% | 1.46% | 1.26% | 1.30% | 2.44% | 1.26% | 1.49% |
| 2022 | 0.87% | 1.20% | 1.14% | 1.85% | 1.16% | 1.29% | 2.66% | 1.59% | 1.80% |
| 2023 | 1.04% | 0.79% | 0.83% | 1.87% | 1.23% | 1.35% | 2.56% | 1.61% | 1.80% |
| 2024 | 1.59% | 1.30% | 1.36% | 2.33% | 1.70% | 1.82% | 2.92% | 2.03% | 2.21% |
| 2025 | 0.79% | 0.52% | 0.57% | 1.44% | 0.86% | 0.97% | 1.95% | 1.62% | 1.69% |
| 2026 | 1.29% | 1.49% | 1.45% | 1.86% | 1.77% | 1.79% | 2.31% | 1.53% | 1.68% |
| 2027 | 1.36% | 1.05% | 1.11% | 1.86% | 1.33% | 1.43% | 2.25% | 1.56% | 1.70% |
| 2028 | 1.76% | 1.43% | 1.49% | 2.20% | 1.68% | 1.78% | 2.56% | 1.90% | 2.03% |
| 2029 | 1.09% | 0.77% | 0.83% | 1.48% | 1.00% | 1.10% | 1.78% | 1.62% | 1.65% |
| 2030 | 1.48% | 1.17% | 1.23% | 1.84% | 1.80% | 1.81% | 2.10% | 1.52% | 1.64% |
| 2031 | 1.51% | 1.70% | 1.66% | 1.82% | 1.40% | 1.48% | 2.06% | 1.54% | 1.64% |
| 2032 | 1.95% | 1.64% | 1.70% | 2.25% | 1.82% | 1.90% | 2.46% | 1.99% | 2.09% |
| 2033 | 1.10% | 0.82% | 0.87% | 1.34% | 0.97% | 1.04% | 1.52% | 1.07% | 1.16% |
| 2034 | 1.57% | 1.28% | 1.34% | 1.79% | 1.41% | 1.49% | 1.95% | 1.93% | 1.93% |
| 2035 | 1.62% | 1.33% | 1.39% | 1.82% | 1.45% | 1.53% | 1.96% | 1.54% | 1.63% |
| 2036 | 2.04% | 1.76% | 1.81% | 2.20% | 2.28% | 2.26% | 2.32% | 1.94% | 2.02% |
| 2037 | 1.19% | 1.37% | 1.33% | 1.32% | 1.02% | 1.08% | 1.43% | 1.10% | 1.17% |

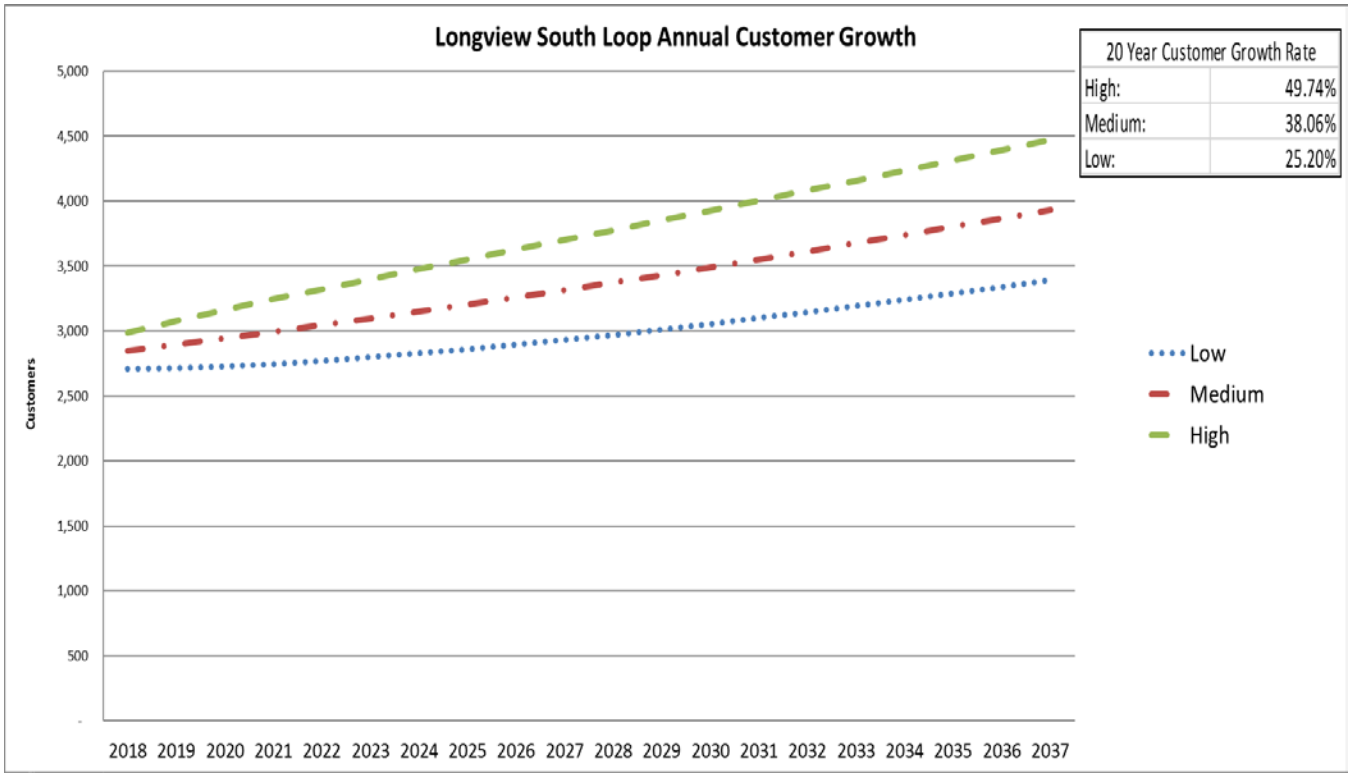
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,832 | 880 | 2,712 | 1,939 | 911 | 2,850 | 2,046 | 942 | 2,987 |
| 2019 | 1,832 | 882 | 2,714 | 1,976 | 922 | 2,897 | 2,119 | 961 | 3,080 |
| 2020 | 1,841 | 887 | 2,727 | 2,013 | 933 | 2,946 | 2,185 | 980 | 3,165 |
| 2021 | 1,854 | 892 | 2,746 | 2,051 | 945 | 2,996 | 2,248 | 998 | 3,246 |
| 2022 | 1,871 | 900 | 2,771 | 2,090 | 958 | 3,047 | 2,309 | 1,015 | 3,324 |
| 2023 | 1,890 | 908 | 2,798 | 2,129 | 970 | 3,099 | 2,368 | 1,033 | 3,400 |
| 2024 | 1,912 | 916 | 2,828 | 2,169 | 983 | 3,152 | 2,426 | 1,050 | 3,476 |
| 2025 | 1,935 | 925 | 2,861 | 2,209 | 996 | 3,206 | 2,484 | 1,069 | 3,552 |
| 2026 | 1,960 | 936 | 2,896 | 2,251 | 1,011 | 3,262 | 2,541 | 1,086 | 3,627 |
| 2027 | 1,987 | 947 | 2,934 | 2,293 | 1,026 | 3,318 | 2,598 | 1,104 | 3,703 |
| 2028 | 2,015 | 957 | 2,972 | 2,335 | 1,040 | 3,375 | 2,655 | 1,123 | 3,778 |
| 2029 | 2,044 | 969 | 3,013 | 2,378 | 1,055 | 3,433 | 2,712 | 1,142 | 3,854 |
| 2030 | 2,075 | 981 | 3,056 | 2,422 | 1,071 | 3,493 | 2,769 | 1,161 | 3,930 |
| 2031 | 2,106 | 995 | 3,101 | 2,466 | 1,087 | 3,553 | 2,826 | 1,180 | 4,006 |
| 2032 | 2,138 | 1,008 | 3,146 | 2,511 | 1,104 | 3,615 | 2,883 | 1,199 | 4,083 |
| 2033 | 2,172 | 1,022 | 3,193 | 2,556 | 1,120 | 3,676 | 2,941 | 1,219 | 4,160 |
| 2034 | 2,206 | 1,036 | 3,242 | 2,602 | 1,137 | 3,739 | 2,998 | 1,240 | 4,238 |
| 2035 | 2,241 | 1,050 | 3,291 | 2,649 | 1,155 | 3,803 | 3,056 | 1,260 | 4,316 |
| 2036 | 2,277 | 1,065 | 3,342 | 2,696 | 1,173 | 3,869 | 3,114 | 1,280 | 4,394 |
| 2037 | 2,314 | 1,081 | 3,395 | 2,743 | 1,191 | 3,934 | 3,172 | 1,301 | 4,473 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.01% | 0.26% | 0.09% | 1.91% | 1.18% | 1.68% | 3.57% | 2.06% | 3.09% |
| 2020 | 0.47% | 0.48% | 0.48% | 1.87% | 1.20% | 1.66% | 3.14% | 1.99% | 2.78% |
| 2021 | 0.72% | 0.65% | 0.70% | 1.89% | 1.36% | 1.72% | 2.87% | 1.79% | 2.54% |
| 2022 | 0.91% | 0.86% | 0.89% | 1.89% | 1.28% | 1.70% | 2.69% | 1.75% | 2.40% |
| 2023 | 1.05% | 0.84% | 0.98% | 1.88% | 1.31% | 1.70% | 2.56% | 1.72% | 2.30% |
| 2024 | 1.14% | 0.93% | 1.07% | 1.87% | 1.33% | 1.70% | 2.46% | 1.69% | 2.23% |
| 2025 | 1.22% | 1.00% | 1.15% | 1.87% | 1.37% | 1.72% | 2.38% | 1.78% | 2.20% |
| 2026 | 1.29% | 1.15% | 1.25% | 1.87% | 1.46% | 1.74% | 2.31% | 1.65% | 2.11% |
| 2027 | 1.36% | 1.13% | 1.29% | 1.86% | 1.43% | 1.73% | 2.25% | 1.66% | 2.07% |
| 2028 | 1.40% | 1.15% | 1.32% | 1.84% | 1.41% | 1.71% | 2.19% | 1.64% | 2.03% |
| 2029 | 1.46% | 1.20% | 1.38% | 1.85% | 1.47% | 1.73% | 2.15% | 1.74% | 2.03% |
| 2030 | 1.48% | 1.26% | 1.41% | 1.84% | 1.53% | 1.75% | 2.10% | 1.63% | 1.96% |
| 2031 | 1.51% | 1.39% | 1.47% | 1.83% | 1.49% | 1.72% | 2.06% | 1.64% | 1.94% |
| 2032 | 1.54% | 1.31% | 1.46% | 1.82% | 1.49% | 1.72% | 2.03% | 1.66% | 1.92% |
| 2033 | 1.56% | 1.37% | 1.50% | 1.80% | 1.52% | 1.71% | 1.99% | 1.63% | 1.88% |
| 2034 | 1.58% | 1.37% | 1.51% | 1.80% | 1.51% | 1.71% | 1.96% | 1.72% | 1.89% |
| 2035 | 1.59% | 1.40% | 1.53% | 1.79% | 1.52% | 1.71% | 1.93% | 1.61% | 1.83% |
| 2036 | 1.61% | 1.43% | 1.55% | 1.77% | 1.62% | 1.73% | 1.90% | 1.63% | 1.82% |
| 2037 | 1.62% | 1.52% | 1.59% | 1.76% | 1.53% | 1.69% | 1.87% | 1.61% | 1.79% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 49.74% |
| Medium: | 38.06% |
| Low: | 25.20% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

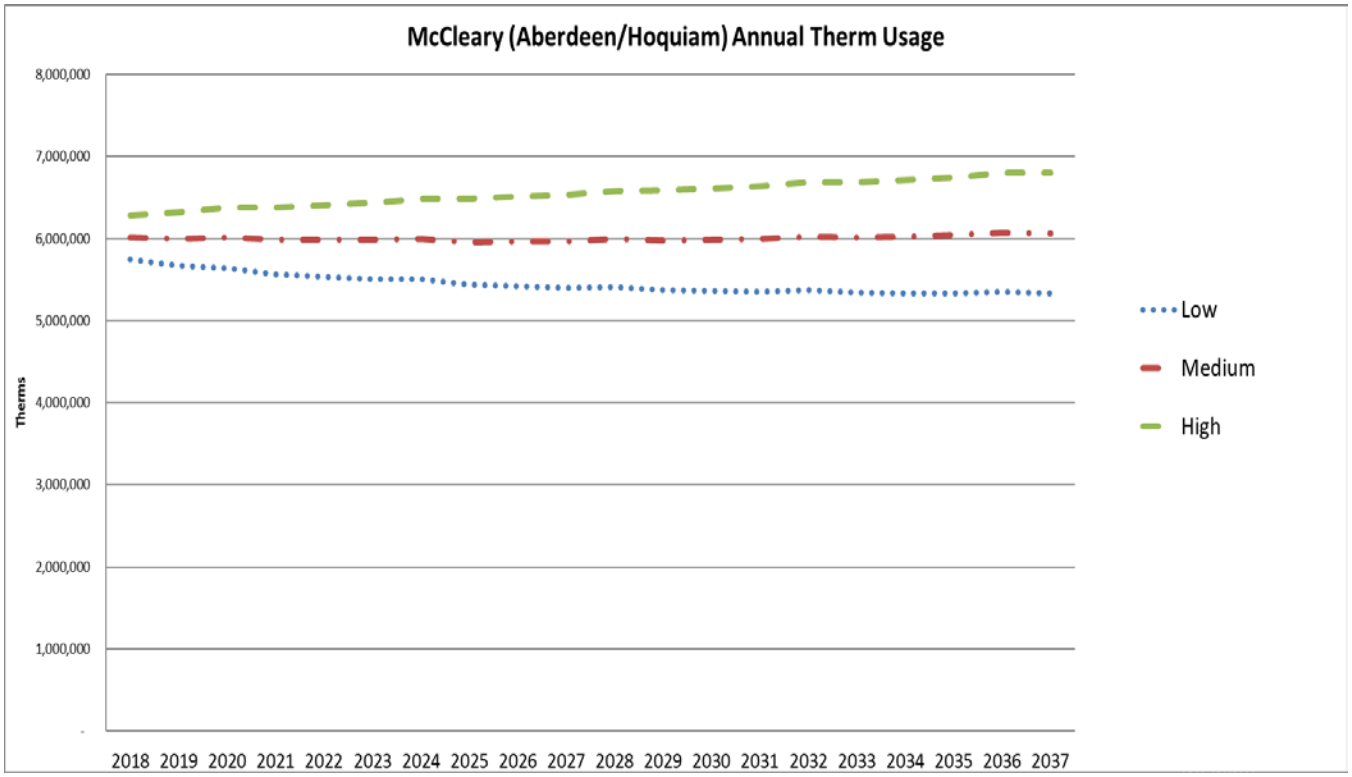
## McCleary (Aberdeen/Hoquiam)

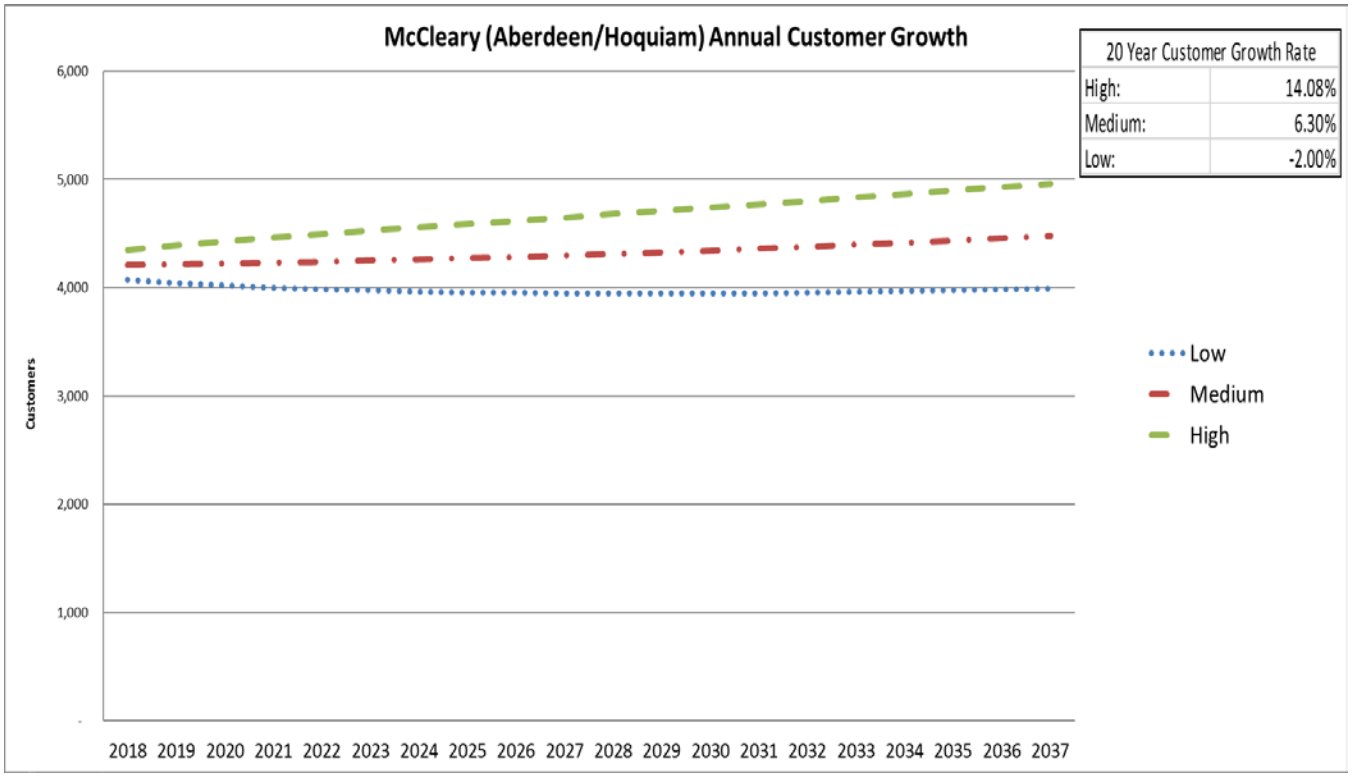
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,476,023 | 2,267,836 | 5,743,859 | 3,612,686 | 2,398,930 | 6,011,617 | 3,729,782 | 2,549,825 | 6,279,607 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,444,327 | 2,227,013 | 5,671,340 | 3,597,546 | 2,394,023 | 5,991,570 | 3,757,891 | 2,558,880 | 6,316,771 | -0.91% | -1.80% | -1.26% | -0.42% | -0.20% | -0.33% | 0.75% | 0.36% | 0.59% |
| 2020 | 3,433,504 | 2,211,333 | 5,644,836 | 3,619,992 | 2,391,442 | 6,011,434 | 3,806,320 | 2,569,226 | 6,375,546 | -0.31% | -0.70% | -0.47% | 0.62% | -0.11% | 0.33% | 1.29% | 0.40% | 0.93% |
| 2021 | 3,388,051 | 2,176,542 | 5,564,593 | 3,598,809 | 2,386,707 | 5,985,517 | 3,801,978 | 2,579,054 | 6,381,031 | -1.32% | -1.57% | -1.42% | -0.59% | -0.20% | -0.43% | -0.11% | 0.38% | 0.09% |
| 2022 | 3,368,564 | 2,164,395 | 5,532,959 | 3,597,973 | 2,384,299 | 5,982,271 | 3,819,881 | 2,586,556 | 6,406,437 | -0.58% | -0.56% | -0.57% | -0.02% | -0.10% | -0.05% | 0.47% | 0.29% | 0.40% |
| 2023 | 3,353,956 | 2,152,421 | 5,506,377 | 3,598,364 | 2,384,216 | 5,982,580 | 3,838,869 | 2,593,885 | 6,432,755 | -0.43% | -0.55% | -0.48% | 0.01% | 0.00% | 0.01% | 0.50% | 0.28% | 0.41% |
| 2024 | 3,360,760 | 2,143,117 | 5,503,877 | 3,629,293 | 2,362,180 | 5,991,473 | 3,884,369 | 2,601,215 | 6,485,584 | 0.20% | -0.43% | -0.05% | 0.86% | -0.92% | 0.15% | 1.19% | 0.28% | 0.82% |
| 2025 | 3,326,035 | 2,112,205 | 5,438,241 | 3,600,882 | 2,360,289 | 5,961,171 | 3,877,326 | 2,608,372 | 6,485,698 | -1.03% | -1.44% | -1.19% | -0.78% | -0.08% | -0.51% | -0.18% | 0.28% | 0.00% |
| 2026 | 3,316,250 | 2,103,419 | 5,419,670 | 3,604,551 | 2,360,551 | 5,965,101 | 3,894,895 | 2,615,529 | 6,510,424 | -0.29% | -0.42% | -0.34% | 0.10% | 0.01% | 0.07% | 0.45% | 0.27% | 0.38% |
| 2027 | 3,305,953 | 2,097,132 | 5,403,085 | 3,609,203 | 2,358,832 | 5,968,035 | 3,912,976 | 2,622,686 | 6,535,662 | -0.31% | -0.30% | -0.31% | 0.13% | -0.07% | 0.05% | 0.46% | 0.27% | 0.39% |
| 2028 | 3,317,224 | 2,088,864 | 5,406,088 | 3,635,450 | 2,359,440 | 5,994,889 | 3,952,863 | 2,629,843 | 6,582,706 | 0.34% | -0.39% | 0.06% | 0.73% | 0.03% | 0.45% | 1.02% | 0.27% | 0.72% |
| 2029 | 3,292,761 | 2,083,094 | 5,375,855 | 3,620,163 | 2,360,047 | 5,980,210 | 3,948,545 | 2,637,000 | 6,585,545 | -0.74% | -0.28% | -0.56% | -0.42% | 0.03% | -0.24% | -0.11% | 0.27% | 0.04% |
| 2030 | 3,287,738 | 2,077,324 | 5,365,062 | 3,626,856 | 2,360,827 | 5,987,683 | 3,964,325 | 2,646,483 | 6,610,808 | -0.15% | -0.28% | -0.20% | 0.18% | 0.03% | 0.12% | 0.40% | 0.36% | 0.38% |
| 2031 | 3,283,705 | 2,071,899 | 5,355,604 | 3,633,842 | 2,361,779 | 5,995,621 | 3,982,561 | 2,653,812 | 6,636,373 | -0.12% | -0.26% | -0.18% | 0.19% | 0.04% | 0.13% | 0.46% | 0.28% | 0.39% |
| 2032 | 3,302,042 | 2,066,647 | 5,368,689 | 3,665,657 | 2,362,732 | 6,028,388 | 4,027,744 | 2,661,142 | 6,688,886 | 0.56% | -0.25% | 0.24% | 0.88% | 0.04% | 0.55% | 1.13% | 0.28% | 0.79% |
| 2033 | 3,278,954 | 2,061,567 | 5,340,521 | 3,648,087 | 2,366,182 | 6,014,269 | 4,018,753 | 2,668,472 | 6,687,224 | -0.70% | -0.25% | -0.52% | -0.48% | 0.15% | -0.23% | -0.22% | 0.28% | -0.02% |
| 2034 | 3,276,476 | 2,058,813 | 5,335,290 | 3,657,120 | 2,367,307 | 6,024,428 | 4,038,501 | 2,675,974 | 6,714,475 | -0.08% | -0.13% | -0.10% | 0.25% | 0.05% | 0.17% | 0.49% | 0.28% | 0.41% |
| 2035 | 3,278,698 | 2,054,079 | 5,332,777 | 3,669,689 | 2,368,777 | 6,038,466 | 4,057,890 | 2,685,457 | 6,743,347 | 0.07% | -0.23% | -0.05% | 0.34% | 0.06% | 0.23% | 0.48% | 0.35% | 0.43% |
| 2036 | 3,299,937 | 2,051,497 | 5,351,435 | 3,701,868 | 2,372,401 | 6,074,269 | 4,104,652 | 2,693,131 | 6,797,783 | 0.65% | -0.13% | 0.35% | 0.88% | 0.15% | 0.59% | 1.15% | 0.29% | 0.81% |
| 2037 | 3,279,811 | 2,049,261 | 5,329,072 | 3,688,437 | 2,376,024 | 6,064,461 | 4,097,646 | 2,700,633 | 6,798,280 | -0.61% | -0.11% | -0.42% | -0.36% | 0.15% | -0.16% | -0.17% | 0.28% | 0.01% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 6,213 | 49,283 | 55,496 | 6,572 | 49,775 | 56,347 | 6,986 | 50,219 | 57,205 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,101 | 49,339 | 55,440 | 6,559 | 49,731 | 56,290 | 7,011 | 50,137 | 57,147 | -1.80% | 0.11% | -0.10% | -0.20% | -0.09% | -0.10% | 0.36% | -0.16% | -0.10% |
| 2020 | 6,058 | 49,372 | 55,431 | 6,552 | 49,728 | 56,280 | 7,039 | 50,098 | 57,137 | -0.70% | 0.07% | -0.02% | -0.11% | -0.01% | -0.02% | 0.40% | -0.08% | -0.02% |
| 2021 | 5,963 | 49,458 | 55,421 | 6,539 | 49,732 | 56,271 | 7,066 | 50,062 | 57,127 | -1.57% | 0.17% | -0.02% | -0.20% | 0.01% | -0.02% | 0.38% | -0.07% | -0.02% |
| 2022 | 5,930 | 49,489 | 55,419 | 6,532 | 49,736 | 56,268 | 7,086 | 50,038 | 57,125 | -0.56% | 0.06% | 0.00% | -0.10% | 0.01% | 0.00% | 0.29% | -0.05% | 0.00% |
| 2023 | 5,897 | 49,533 | 55,430 | 6,532 | 49,747 | 56,279 | 7,107 | 50,030 | 57,136 | -0.55% | 0.09% | 0.02% | 0.00% | 0.02% | 0.02% | 0.28% | -0.02% | 0.02% |
| 2024 | 5,872 | 49,422 | 55,294 | 6,472 | 49,670 | 56,141 | 7,127 | 49,869 | 56,996 | -0.43% | -0.22% | -0.25% | -0.92% | -0.16% | -0.25% | 0.28% | -0.32% | -0.25% |
| 2025 | 5,787 | 49,525 | 55,312 | 6,467 | 49,693 | 56,160 | 7,146 | 49,869 | 57,015 | -1.44% | 0.21% | 0.03% | -0.08% | 0.05% | 0.03% | 0.28% | 0.00% | 0.03% |
| 2026 | 5,763 | 49,607 | 55,370 | 6,467 | 49,751 | 56,219 | 7,166 | 49,909 | 57,075 | -0.42% | 0.17% | 0.10% | 0.01% | 0.12% | 0.10% | 0.27% | 0.08% | 0.10% |
| 2027 | 5,746 | 49,657 | 55,402 | 6,463 | 49,789 | 56,251 | 7,185 | 49,922 | 57,108 | -0.30% | 0.10% | 0.06% | -0.07% | 0.08% | 0.06% | 0.27% | 0.03% | 0.06% |
| 2028 | 5,723 | 49,751 | 55,474 | 6,464 | 49,860 | 56,324 | 7,205 | 49,977 | 57,182 | -0.39% | 0.19% | 0.13% | 0.03% | 0.14% | 0.13% | 0.27% | 0.11% | 0.13% |
| 2029 | 5,707 | 49,839 | 55,546 | 6,466 | 49,931 | 56,397 | 7,225 | 50,031 | 57,256 | -0.28% | 0.18% | 0.13% | 0.03% | 0.14% | 0.13% | 0.27% | 0.11% | 0.13% |
| 2030 | 5,691 | 49,940 | 55,632 | 6,468 | 50,016 | 56,484 | 7,251 | 50,094 | 57,344 | -0.28% | 0.20% | 0.15% | 0.03% | 0.17% | 0.15% | 0.36% | 0.12% | 0.15% |
| 2031 | 5,676 | 50,041 | 55,717 | 6,471 | 50,101 | 56,571 | 7,271 | 50,162 | 57,433 | -0.26% | 0.20% | 0.15% | 0.04% | 0.17% | 0.15% | 0.28% | 0.14% | 0.15% |
| 2032 | 5,662 | 50,141 | 55,803 | 6,473 | 50,185 | 56,658 | 7,291 | 50,230 | 57,521 | -0.25% | 0.20% | 0.15% | 0.04% | 0.17% | 0.15% | 0.28% | 0.14% | 0.15% |
| 2033 | 5,648 | 50,294 | 55,942 | 6,483 | 50,317 | 56,800 | 7,311 | 50,354 | 57,665 | -0.25% | 0.31% | 0.25% | 0.15% | 0.26% | 0.25% | 0.28% | 0.25% | 0.25% |
| 2034 | 5,641 | 50,401 | 56,042 | 6,486 | 50,415 | 56,901 | 7,331 | 50,436 | 57,767 | -0.13% | 0.21% | 0.18% | 0.05% | 0.19% | 0.18% | 0.28% | 0.16% | 0.18% |
| 2035 | 5,628 | 50,554 | 56,181 | 6,490 | 50,552 | 57,042 | 7,357 | 50,553 | 57,911 | -0.23% | 0.30% | 0.25% | 0.06% | 0.27% | 0.25% | 0.35% | 0.23% | 0.25% |
| 2036 | 5,621 | 50,667 | 56,288 | 6,500 | 50,651 | 57,151 | 7,378 | 50,642 | 58,021 | -0.13% | 0.22% | 0.19% | 0.15% | 0.19% | 0.19% | 0.29% | 0.18% | 0.19% |
| 2037 | 5,614 | 50,827 | 56,441 | 6,510 | 50,796 | 57,306 | 7,399 | 50,780 | 58,179 | -0.11% | 0.31% | 0.27% | 0.15% | 0.29% | 0.27% | 0.28% | 0.27% | 0.27% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,364,668 | 3,379,191 | 5,743,859 | 2,441,610 | 3,570,006 | 6,011,617 | 2,518,434 | 3,761,173 | 6,279,607 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,348,123 | 3,323,217 | 5,671,340 | 2,447,655 | 3,543,915 | 5,991,570 | 2,547,189 | 3,769,581 | 6,316,771 | -0.70% | -1.66% | -1.26% | 0.25% | -0.73% | -0.33% | 1.14% | 0.22% | 0.59% |
| 2020 | 2,346,304 | 3,298,533 | 5,644,836 | 2,464,537 | 3,546,897 | 6,011,434 | 2,582,870 | 3,792,676 | 6,375,546 | -0.08% | -0.74% | -0.47% | 0.69% | 0.08% | 0.33% | 1.40% | 0.61% | 0.93% |
| 2021 | 2,327,759 | 3,236,835 | 5,564,593 | 2,461,323 | 3,524,194 | 5,985,517 | 2,594,877 | 3,786,154 | 6,381,031 | -0.79% | -1.87% | -1.42% | -0.13% | -0.64% | -0.43% | 0.46% | -0.17% | 0.09% |
| 2022 | 2,320,618 | 3,212,341 | 5,532,959 | 2,468,239 | 3,514,032 | 5,982,271 | 2,616,063 | 3,790,374 | 6,406,437 | -0.31% | -0.76% | -0.57% | 0.28% | -0.29% | -0.05% | 0.82% | 0.11% | 0.40% |
| 2023 | 2,315,899 | 3,190,478 | 5,506,377 | 2,476,638 | 3,505,942 | 5,982,580 | 2,637,149 | 3,795,606 | 6,432,755 | -0.20% | -0.68% | -0.48% | 0.34% | -0.23% | 0.01% | 0.81% | 0.14% | 0.41% |
| 2024 | 2,323,037 | 3,180,840 | 5,503,877 | 2,496,424 | 3,495,049 | 5,991,473 | 2,669,556 | 3,816,029 | 6,485,584 | 0.31% | -0.30% | -0.05% | 0.80% | -0.31% | 0.15% | 1.23% | 0.54% | 0.82% |
| 2025 | 2,311,682 | 3,126,559 | 5,438,241 | 2,495,239 | 3,465,931 | 5,961,171 | 2,678,887 | 3,806,811 | 6,485,698 | -0.49% | -1.71% | -1.19% | -0.05% | -0.83% | -0.51% | 0.35% | -0.24% | 0.00% |
| 2026 | 2,310,862 | 3,108,807 | 5,419,670 | 2,505,012 | 3,460,089 | 5,965,101 | 2,699,174 | 3,811,250 | 6,510,424 | -0.04% | -0.57% | -0.34% | 0.39% | -0.17% | 0.07% | 0.76% | 0.12% | 0.38% |
| 2027 | 2,311,227 | 3,091,858 | 5,403,085 | 2,515,412 | 3,452,623 | 5,968,035 | 2,719,462 | 3,816,200 | 6,535,662 | 0.02% | -0.55% | -0.31% | 0.42% | -0.22% | 0.05% | 0.75% | 0.13% | 0.39% |
| 2028 | 2,321,205 | 3,084,883 | 5,406,088 | 2,535,660 | 3,459,230 | 5,994,889 | 2,749,874 | 3,832,832 | 6,582,706 | 0.43% | -0.23% | 0.06% | 0.80% | 0.19% | 0.45% | 1.12% | 0.44% | 0.72% |
| 2029 | 2,315,058 | 3,060,797 | 5,375,855 | 2,537,673 | 3,442,537 | 5,980,210 | 2,760,471 | 3,825,073 | 6,585,545 | -0.26% | -0.78% | -0.56% | 0.08% | -0.48% | -0.24% | 0.39% | -0.20% | 0.04% |
| 2030 | 2,318,182 | 3,046,880 | 5,365,062 | 2,549,583 | 3,438,100 | 5,987,683 | 2,780,895 | 3,829,913 | 6,610,808 | 0.13% | -0.45% | -0.20% | 0.47% | -0.13% | 0.12% | 0.74% | 0.13% | 0.38% |
| 2031 | 2,322,040 | 3,033,564 | 5,355,604 | 2,561,961 | 3,433,660 | 5,995,621 | 2,801,827 | 3,834,547 | 6,636,373 | 0.17% | -0.44% | -0.18% | 0.49% | -0.13% | 0.13% | 0.75% | 0.12% | 0.39% |
| 2032 | 2,336,690 | 3,031,999 | 5,368,689 | 2,585,530 | 3,442,858 | 6,028,388 | 2,834,632 | 3,854,253 | 6,688,886 | 0.63% | -0.05% | 0.24% | 0.92% | 0.27% | 0.55% | 1.17% | 0.51% | 0.79% |
| 2033 | 2,331,658 | 3,008,863 | 5,340,521 | 2,587,470 | 3,426,799 | 6,014,269 | 2,843,299 | 3,843,926 | 6,687,224 | -0.22% | -0.76% | -0.52% | 0.08% | -0.47% | -0.23% | 0.31% | -0.27% | -0.02% |
| 2034 | 2,337,766 | 2,997,523 | 5,335,290 | 2,601,221 | 3,423,207 | 6,024,428 | 2,864,386 | 3,850,089 | 6,714,475 | 0.26% | -0.38% | -0.10% | 0.53% | -0.10% | 0.17% | 0.74% | 0.16% | 0.41% |
| 2035 | 2,345,241 | 2,987,536 | 5,332,777 | 2,616,017 | 3,422,450 | 6,038,466 | 2,886,804 | 3,856,543 | 6,743,347 | 0.32% | -0.33% | -0.05% | 0.57% | -0.02% | 0.23% | 0.78% | 0.17% | 0.43% |
| 2036 | 2,362,478 | 2,988,957 | 5,351,435 | 2,641,621 | 3,432,647 | 6,074,269 | 2,920,785 | 3,876,998 | 6,797,783 | 0.73% | 0.05% | 0.35% | 0.98% | 0.30% | 0.59% | 1.18% | 0.53% | 0.81% |
| 2037 | 2,360,454 | 2,968,618 | 5,329,072 | 2,645,557 | 3,418,905 | 6,064,461 | 2,930,580 | 3,867,700 | 6,798,280 | -0.09% | -0.68% | -0.42% | 0.15% | -0.40% | -0.16% | 0.34% | -0.24% | 0.01% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,363 | 711 | 4,074 | 3,475 | 738 | 4,213 | 3,586 | 765 | 4,351 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,340 | 703 | 4,043 | 3,483 | 735 | 4,218 | 3,627 | 767 | 4,393 | -0.69% | -1.10% | -0.76% | 0.25% | -0.42% | 0.13% | 1.14% | 0.24% | 0.98% |
| 2020 | 3,324 | 696 | 4,020 | 3,493 | 733 | 4,225 | 3,662 | 769 | 4,431 | -0.49% | -0.96% | -0.58% | 0.27% | -0.31% | 0.17% | 0.98% | 0.26% | 0.85% |
| 2021 | 3,311 | 690 | 4,001 | 3,503 | 730 | 4,233 | 3,695 | 770 | 4,465 | -0.37% | -0.97% | -0.47% | 0.29% | -0.30% | 0.19% | 0.89% | 0.22% | 0.77% |
| 2022 | 3,302 | 684 | 3,986 | 3,514 | 728 | 4,242 | 3,726 | 772 | 4,497 | -0.28% | -0.77% | -0.36% | 0.31% | -0.29% | 0.21% | 0.84% | 0.16% | 0.73% |
| 2023 | 3,295 | 679 | 3,975 | 3,526 | 727 | 4,252 | 3,756 | 773 | 4,528 | -0.20% | -0.72% | -0.29% | 0.34% | -0.24% | 0.24% | 0.81% | 0.15% | 0.69% |
| 2024 | 3,291 | 675 | 3,966 | 3,538 | 724 | 4,262 | 3,785 | 774 | 4,559 | -0.14% | -0.66% | -0.23% | 0.36% | -0.36% | 0.24% | 0.79% | 0.14% | 0.68% |
| 2025 | 3,289 | 670 | 3,958 | 3,552 | 722 | 4,274 | 3,815 | 775 | 4,589 | -0.07% | -0.78% | -0.19% | 0.37% | -0.26% | 0.27% | 0.77% | 0.15% | 0.67% |
| 2026 | 3,288 | 666 | 3,953 | 3,566 | 721 | 4,286 | 3,844 | 776 | 4,619 | -0.03% | -0.60% | -0.13% | 0.39% | -0.18% | 0.30% | 0.76% | 0.13% | 0.65% |
| 2027 | 3,288 | 662 | 3,950 | 3,580 | 719 | 4,299 | 3,873 | 777 | 4,650 | 0.02% | -0.58% | -0.08% | 0.42% | -0.23% | 0.31% | 0.75% | 0.14% | 0.65% |
| 2028 | 3,290 | 658 | 3,948 | 3,596 | 718 | 4,314 | 3,902 | 778 | 4,680 | 0.06% | -0.57% | -0.04% | 0.44% | -0.14% | 0.34% | 0.75% | 0.13% | 0.65% |
| 2029 | 3,294 | 655 | 3,948 | 3,612 | 717 | 4,329 | 3,931 | 779 | 4,710 | 0.10% | -0.49% | 0.00% | 0.45% | -0.17% | 0.35% | 0.75% | 0.13% | 0.65% |
| 2030 | 3,298 | 652 | 3,950 | 3,629 | 716 | 4,345 | 3,960 | 780 | 4,741 | 0.13% | -0.47% | 0.03% | 0.47% | -0.14% | 0.37% | 0.75% | 0.15% | 0.65% |
| 2031 | 3,304 | 649 | 3,952 | 3,647 | 715 | 4,362 | 3,990 | 781 | 4,772 | 0.17% | -0.46% | 0.07% | 0.49% | -0.14% | 0.39% | 0.75% | 0.14% | 0.65% |
| 2032 | 3,311 | 646 | 3,956 | 3,665 | 714 | 4,379 | 4,020 | 782 | 4,803 | 0.21% | -0.45% | 0.10% | 0.50% | -0.12% | 0.40% | 0.75% | 0.15% | 0.65% |
| 2033 | 3,318 | 643 | 3,962 | 3,685 | 714 | 4,398 | 4,051 | 784 | 4,834 | 0.23% | -0.39% | 0.13% | 0.52% | -0.07% | 0.43% | 0.75% | 0.15% | 0.66% |
| 2034 | 3,327 | 641 | 3,968 | 3,704 | 713 | 4,417 | 4,081 | 785 | 4,866 | 0.26% | -0.39% | 0.16% | 0.53% | -0.11% | 0.43% | 0.75% | 0.17% | 0.66% |
| 2035 | 3,337 | 638 | 3,975 | 3,724 | 712 | 4,437 | 4,112 | 786 | 4,898 | 0.30% | -0.39% | 0.18% | 0.55% | -0.07% | 0.45% | 0.76% | 0.16% | 0.66% |
| 2036 | 3,347 | 636 | 3,984 | 3,745 | 712 | 4,457 | 4,143 | 788 | 4,931 | 0.31% | -0.34% | 0.21% | 0.56% | -0.07% | 0.46% | 0.76% | 0.17% | 0.66% |
| 2037 | 3,359 | 634 | 3,993 | 3,767 | 712 | 4,478 | 4,174 | 789 | 4,963 | 0.34% | -0.33% | 0.23% | 0.57% | -0.04% | 0.47% | 0.76% | 0.15% | 0.66% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 14.08% |
| Medium: | 6.30% |
| Low: | -2.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

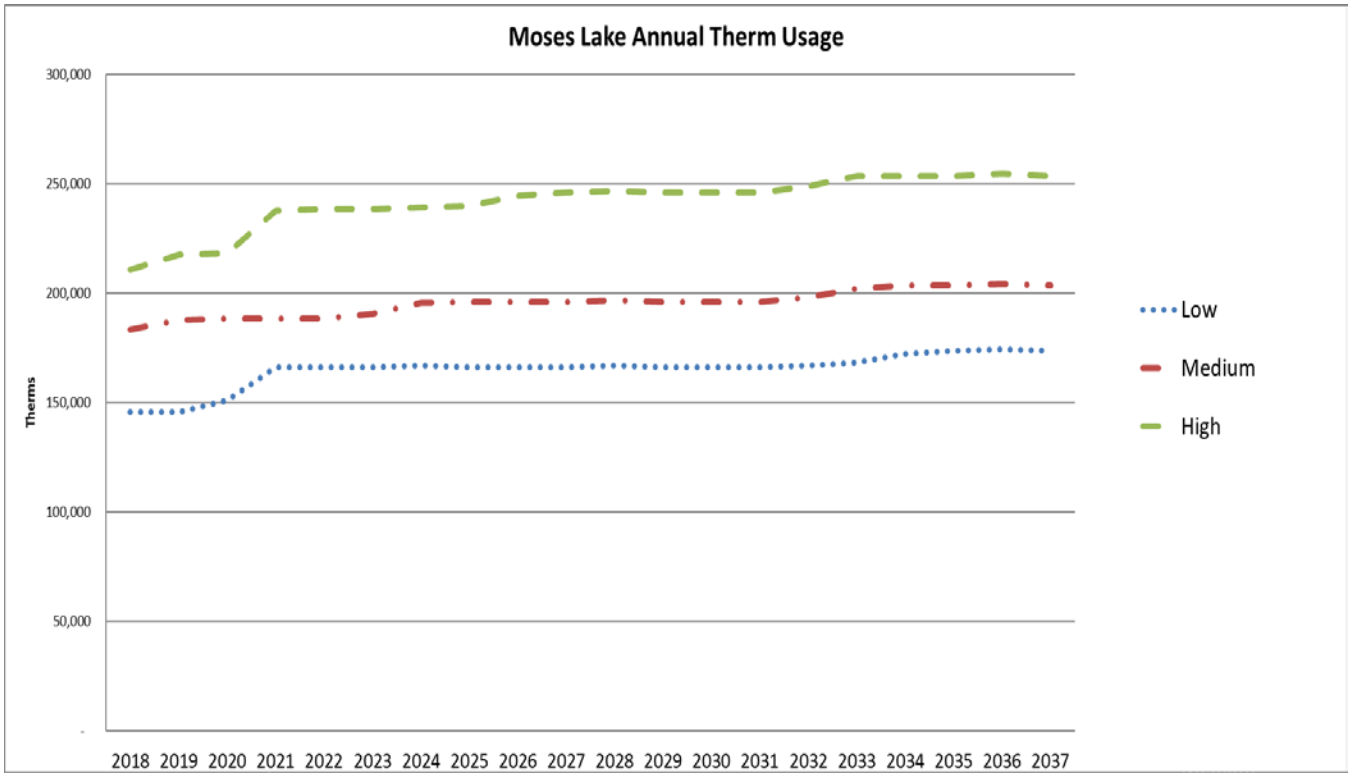
## Moses Lake

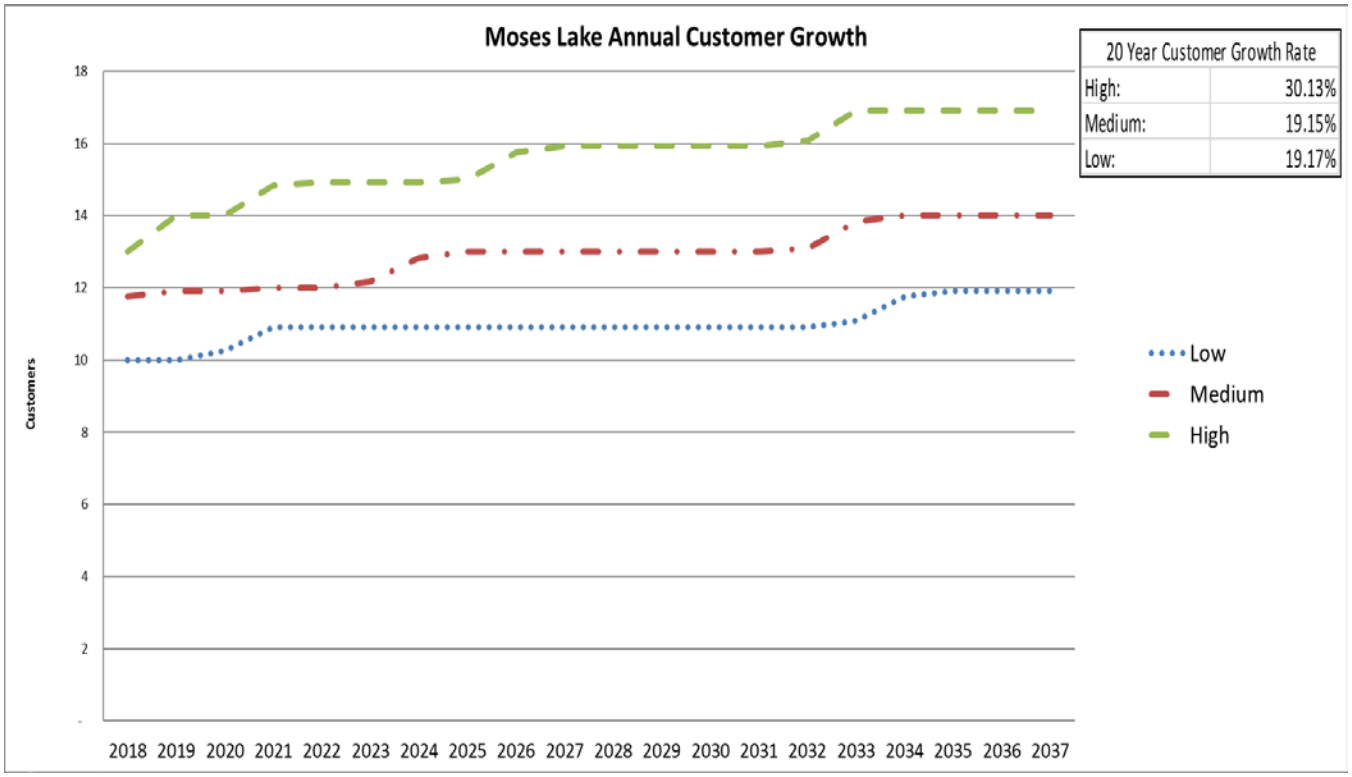
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 84,708 | 60,846 | 145,554 | 113,257 | 70,242 | 183,499 | 131,084 | 79,639 | 210,723 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 84,708 | 60,846 | 145,554 | 117,612 | 70,242 | 187,854 | 125,958 | 91,808 | 217,766 | 0.00% | 0.00% | 0.00% | 3.84% | 0.00% | 2.37% | -3.91% | 15.28% | 3.34% |
| 2020 | 90,313 | 60,846 | 151,159 | 118,276 | 70,242 | 188,518 | 126,716 | 91,808 | 218,524 | 6.62% | 0.00% | 3.85% | 0.56% | 0.00% | 0.35% | 0.60% | 0.00% | 0.35% |
| 2021 | 105,457 | 60,846 | 166,303 | 109,017 | 79,639 | 188,656 | 145,852 | 91,808 | 237,660 | 16.77% | 0.00% | 10.02% | -7.83% | 13.38% | 0.07% | 15.10% | 0.00% | 8.76% |
| 2022 | 105,377 | 60,846 | 166,223 | 108,936 | 79,639 | 188,575 | 146,597 | 91,808 | 238,405 | -0.08% | 0.00% | -0.05% | -0.07% | 0.00% | -0.04% | 0.51% | 0.00% | 0.31% |
| 2023 | 105,377 | 60,846 | 166,223 | 111,052 | 79,639 | 190,691 | 146,597 | 91,808 | 238,405 | 0.00% | 0.00% | 0.00% | 1.94% | 0.00% | 1.12% | 0.00% | 0.00% | 0.00% |
| 2024 | 106,042 | 60,846 | 166,888 | 113,112 | 82,411 | 195,523 | 147,536 | 91,808 | 239,344 | 0.63% | 0.00% | 0.40% | 1.85% | 3.48% | 2.53% | 0.64% | 0.00% | 0.39% |
| 2025 | 105,467 | 60,846 | 166,312 | 113,804 | 82,411 | 196,216 | 148,050 | 91,808 | 239,858 | -0.54% | 0.00% | -0.35% | 0.61% | 0.00% | 0.35% | 0.35% | 0.00% | 0.21% |
| 2026 | 105,467 | 60,846 | 166,312 | 113,804 | 82,411 | 196,216 | 150,127 | 94,581 | 244,708 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.40% | 3.02% | 2.02% |
| 2027 | 105,457 | 60,846 | 166,303 | 113,804 | 82,411 | 196,216 | 151,495 | 94,581 | 246,076 | -0.01% | 0.00% | -0.01% | 0.00% | 0.00% | 0.00% | 0.91% | 0.00% | 0.56% |
| 2028 | 105,891 | 60,846 | 166,737 | 114,325 | 82,411 | 196,736 | 152,136 | 94,581 | 246,717 | 0.41% | 0.00% | 0.26% | 0.46% | 0.00% | 0.27% | 0.42% | 0.00% | 0.26% |
| 2029 | 105,448 | 60,846 | 166,294 | 113,804 | 82,411 | 196,216 | 151,486 | 94,581 | 246,067 | -0.42% | 0.00% | -0.27% | -0.46% | 0.00% | -0.26% | -0.43% | 0.00% | -0.26% |
| 2030 | 105,457 | 60,846 | 166,303 | 113,804 | 82,411 | 196,216 | 151,495 | 94,581 | 246,076 | 0.01% | 0.00% | 0.01% | 0.00% | 0.00% | 0.00% | 0.01% | 0.00% | 0.00% |
| 2031 | 105,467 | 60,846 | 166,312 | 113,804 | 82,411 | 196,216 | 151,504 | 94,581 | 246,085 | 0.01% | 0.00% | 0.01% | 0.00% | 0.00% | 0.00% | 0.01% | 0.00% | 0.00% |
| 2032 | 106,042 | 60,846 | 166,888 | 115,826 | 82,411 | 198,237 | 154,479 | 94,581 | 249,059 | 0.55% | 0.00% | 0.35% | 1.78% | 0.00% | 1.03% | 1.96% | 0.00% | 1.21% |
| 2033 | 107,496 | 60,846 | 168,342 | 117,127 | 85,184 | 202,311 | 156,165 | 97,353 | 253,518 | 1.37% | 0.00% | 0.87% | 1.12% | 3.36% | 2.06% | 1.09% | 2.93% | 1.79% |
| 2034 | 108,781 | 63,618 | 172,399 | 118,504 | 85,184 | 203,688 | 156,165 | 97,353 | 253,518 | 1.19% | 4.56% | 2.41% | 1.18% | 0.00% | 0.68% | 0.00% | 0.00% | 0.00% |
| 2035 | 110,236 | 63,618 | 173,854 | 118,591 | 85,184 | 203,775 | 156,273 | 97,353 | 253,626 | 1.34% | 0.00% | 0.84% | 0.07% | 0.00% | 0.04% | 0.07% | 0.00% | 0.04% |
| 2036 | 110,872 | 63,618 | 174,490 | 119,312 | 85,184 | 204,496 | 157,185 | 97,353 | 254,538 | 0.58% | 0.00% | 0.37% | 0.61% | 0.00% | 0.35% | 0.58% | 0.00% | 0.36% |
| 2037 | 110,254 | 63,618 | 173,872 | 118,591 | 85,184 | 203,775 | 156,292 | 97,353 | 253,645 | -0.56% | 0.00% | -0.35% | -0.60% | 0.00% | -0.35% | -0.57% | 0.00% | -0.35% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 167 | 28,041 | 28,208 | 192 | 28,448 | 28,640 | 218 | 28,858 | 29,076 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 167 | 28,299 | 28,465 | 192 | 28,709 | 28,902 | 252 | 29,090 | 29,342 | 0.00% | 0.92% | 0.91% | 0.00% | 0.92% | 0.91% | 15.28% | 0.80% | 0.91% |
| 2020 | 167 | 28,556 | 28,723 | 192 | 28,970 | 29,163 | 252 | 29,355 | 29,607 | 0.00% | 0.91% | 0.90% | 0.00% | 0.91% | 0.90% | 0.00% | 0.91% | 0.90% |
| 2021 | 167 | 28,819 | 28,986 | 218 | 29,212 | 29,430 | 252 | 29,627 | 29,878 | 0.00% | 0.92% | 0.92% | 13.38% | 0.83% | 0.92% | 0.00% | 0.92% | 0.92% |
| 2022 | 167 | 29,136 | 29,303 | 218 | 29,534 | 29,752 | 252 | 29,953 | 30,205 | 0.00% | 1.10% | 1.09% | 0.00% | 1.10% | 1.09% | 0.00% | 1.10% | 1.09% |
| 2023 | 167 | 29,631 | 29,798 | 218 | 30,036 | 30,254 | 252 | 30,464 | 30,715 | 0.00% | 1.70% | 1.69% | 0.00% | 1.70% | 1.69% | 0.00% | 1.70% | 1.69% |
| 2024 | 167 | 29,948 | 30,115 | 226 | 30,351 | 30,576 | 252 | 30,790 | 31,042 | 0.00% | 1.07% | 1.06% | 3.48% | 1.05% | 1.06% | 0.00% | 1.07% | 1.06% |
| 2025 | 167 | 30,325 | 30,491 | 226 | 30,733 | 30,959 | 252 | 31,179 | 31,430 | 0.00% | 1.26% | 1.25% | 0.00% | 1.26% | 1.25% | 0.00% | 1.26% | 1.25% |
| 2026 | 167 | 30,701 | 30,868 | 226 | 31,115 | 31,341 | 259 | 31,559 | 31,818 | 0.00% | 1.24% | 1.24% | 0.00% | 1.24% | 1.24% | 3.02% | 1.22% | 1.24% |
| 2027 | 167 | 31,072 | 31,239 | 226 | 31,492 | 31,718 | 259 | 31,941 | 32,201 | 0.00% | 1.21% | 1.20% | 0.00% | 1.21% | 1.20% | 0.00% | 1.21% | 1.20% |
| 2028 | 167 | 31,509 | 31,675 | 226 | 31,935 | 32,161 | 259 | 32,391 | 32,650 | 0.00% | 1.40% | 1.40% | 0.00% | 1.41% | 1.40% | 0.00% | 1.41% | 1.40% |
| 2029 | 167 | 31,945 | 32,112 | 226 | 32,378 | 32,604 | 259 | 32,841 | 33,100 | 0.00% | 1.38% | 1.38% | 0.00% | 1.39% | 1.38% | 0.00% | 1.39% | 1.38% |
| 2030 | 167 | 32,441 | 32,608 | 226 | 32,882 | 33,107 | 259 | 33,352 | 33,612 | 0.00% | 1.55% | 1.54% | 0.00% | 1.56% | 1.54% | 0.00% | 1.56% | 1.54% |
| 2031 | 167 | 32,931 | 33,098 | 226 | 33,379 | 33,605 | 259 | 33,858 | 34,117 | 0.00% | 1.51% | 1.50% | 0.00% | 1.51% | 1.50% | 0.00% | 1.51% | 1.50% |
| 2032 | 167 | 33,427 | 33,594 | 226 | 33,883 | 34,109 | 259 | 34,369 | 34,628 | 0.00% | 1.51% | 1.50% | 0.00% | 1.51% | 1.50% | 0.00% | 1.51% | 1.50% |
| 2033 | 167 | 33,983 | 34,150 | 233 | 34,440 | 34,673 | 267 | 34,934 | 35,201 | 0.00% | 1.66% | 1.65% | 3.36% | 1.64% | 1.65% | 2.93% | 1.64% | 1.65% |
| 2034 | 174 | 34,525 | 34,700 | 233 | 34,998 | 35,231 | 267 | 35,501 | 35,768 | 4.56% | 1.60% | 1.61% | 0.00% | 1.62% | 1.61% | 0.00% | 1.62% | 1.61% |
| 2035 | 174 | 35,081 | 35,255 | 233 | 35,562 | 35,796 | 267 | 36,074 | 36,341 | 0.00% | 1.61% | 1.60% | 0.00% | 1.61% | 1.60% | 0.00% | 1.61% | 1.60% |
| 2036 | 174 | 35,696 | 35,871 | 233 | 36,187 | 36,421 | 267 | 36,708 | 36,975 | 0.00% | 1.75% | 1.75% | 0.00% | 1.76% | 1.75% | 0.00% | 1.76% | 1.75% |
| 2037 | 174 | 36,312 | 36,486 | 233 | 36,812 | 37,045 | 267 | 37,343 | 37,609 | 0.00% | 1.72% | 1.72% | 0.00% | 1.73% | 1.72% | 0.00% | 1.73% | 1.72% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | - | 145,554 | 145,554 | - | 183,499 | 183,499 | - | 210,723 | 210,723 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 145,554 | 145,554 | - | 187,854 | 187,854 | - | 217,766 | 217,766 | 0.00% | 0.00% | 0.00% | 0.00% | 2.37% | 2.37% | 0.00% | 3.34% | 3.34% |
| 2020 | - | 151,159 | 151,159 | - | 188,518 | 188,518 | - | 218,524 | 218,524 | 0.00% | 3.85% | 3.85% | 0.00% | 0.35% | 0.35% | 0.00% | 0.35% | 0.35% |
| 2021 | - | 166,303 | 166,303 | - | 188,656 | 188,656 | - | 237,660 | 237,660 | 0.00% | 10.02% | 10.02% | 0.00% | 0.07% | 0.07% | 0.00% | 8.76% | 8.76% |
| 2022 | - | 166,223 | 166,223 | - | 188,575 | 188,575 | - | 238,405 | 238,405 | 0.00% | -0.05% | -0.05% | 0.00% | -0.04% | -0.04% | 0.00% | 0.31% | 0.31% |
| 2023 | - | 166,223 | 166,223 | - | 190,691 | 190,691 | - | 238,405 | 238,405 | 0.00% | 0.00% | 0.00% | 0.00% | 1.12% | 1.12% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 166,888 | 166,888 | - | 195,523 | 195,523 | - | 239,344 | 239,344 | 0.00% | 0.40% | 0.40% | 0.00% | 2.53% | 2.53% | 0.00% | 0.39% | 0.39% |
| 2025 | - | 166,312 | 166,312 | - | 196,216 | 196,216 | - | 239,858 | 239,858 | 0.00% | -0.35% | -0.35% | 0.00% | 0.35% | 0.35% | 0.00% | 0.21% | 0.21% |
| 2026 | - | 166,312 | 166,312 | - | 196,216 | 196,216 | - | 244,708 | 244,708 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 2.02% | 2.02% |
| 2027 | - | 166,303 | 166,303 | - | 196,216 | 196,216 | - | 246,076 | 246,076 | 0.00% | -0.01% | -0.01% | 0.00% | 0.00% | 0.00% | 0.00% | 0.56% | 0.56% |
| 2028 | - | 166,737 | 166,737 | - | 196,736 | 196,736 | - | 246,717 | 246,717 | 0.00% | 0.26% | 0.26% | 0.00% | 0.27% | 0.27% | 0.00% | 0.26% | 0.26% |
| 2029 | - | 166,294 | 166,294 | - | 196,216 | 196,216 | - | 246,067 | 246,067 | 0.00% | -0.27% | -0.27% | 0.00% | -0.26% | -0.26% | 0.00% | -0.26% | -0.26% |
| 2030 | - | 166,303 | 166,303 | - | 196,216 | 196,216 | - | 246,076 | 246,076 | 0.00% | 0.01% | 0.01% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 166,312 | 166,312 | - | 196,216 | 196,216 | - | 246,085 | 246,085 | 0.00% | 0.01% | 0.01% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 166,888 | 166,888 | - | 198,237 | 198,237 | - | 249,059 | 249,059 | 0.00% | 0.35% | 0.35% | 0.00% | 1.03% | 1.03% | 0.00% | 1.21% | 1.21% |
| 2033 | - | 168,342 | 168,342 | - | 202,311 | 202,311 | - | 253,518 | 253,518 | 0.00% | 0.87% | 0.87% | 0.00% | 2.06% | 2.06% | 0.00% | 1.79% | 1.79% |
| 2034 | - | 172,399 | 172,399 | - | 203,688 | 203,688 | - | 253,518 | 253,518 | 0.00% | 2.41% | 2.41% | 0.00% | 0.68% | 0.68% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 173,854 | 173,854 | - | 203,775 | 203,775 | - | 253,626 | 253,626 | 0.00% | 0.84% | 0.84% | 0.00% | 0.04% | 0.04% | 0.00% | 0.04% | 0.04% |
| 2036 | - | 174,490 | 174,490 | - | 204,496 | 204,496 | - | 254,538 | 254,538 | 0.00% | 0.37% | 0.37% | 0.00% | 0.35% | 0.35% | 0.00% | 0.36% | 0.36% |
| 2037 | - | 173,872 | 173,872 | - | 203,775 | 203,775 | - | 253,645 | 253,645 | 0.00% | -0.35% | -0.35% | 0.00% | -0.35% | -0.35% | 0.00% | -0.35% | -0.35% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | - | 10 | 10 | - | 12 | 12 | - | 13 | 13 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 10 | 10 | - | 12 | 12 | - | 14 | 14 | 0.00% | 0.00% | 0.00% | 0.00% | 1.42% | 1.42% | 0.00% | 7.69% | 7.69% |
| 2020 | - | 10 | 10 | - | 12 | 12 | - | 14 | 14 | 0.00% | 2.50% | 2.50% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | 11 | 11 | - | 12 | 12 | - | 15 | 15 | 0.00% | 6.50% | 6.50% | 0.00% | 0.70% | 0.70% | 0.00% | 5.95% | 5.95% |
| 2022 | - | 11 | 11 | - | 12 | 12 | - | 15 | 15 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.56% | 0.56% |
| 2023 | - | 11 | 11 | - | 12 | 12 | - | 15 | 15 | 0.00% | 0.00% | 0.00% | 0.00% | 1.39% | 1.39% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 11 | 11 | - | 13 | 13 | - | 15 | 15 | 0.00% | 0.00% | 0.00% | 0.00% | 5.48% | 5.48% | 0.00% | 0.00% | 0.00% |
| 2025 | - | 11 | 11 | - | 13 | 13 | - | 15 | 15 | 0.00% | 0.00% | 0.00% | 0.00% | 1.30% | 1.30% | 0.00% | 0.56% | 0.56% |
| 2026 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 5.00% | 5.00% |
| 2027 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.06% | 1.06% |
| 2028 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 11 | 11 | - | 13 | 13 | - | 16 | 16 | 0.00% | 0.00% | 0.00% | 0.00% | 0.64% | 0.64% | 0.00% | 1.05% | 1.05% |
| 2033 | - | 11 | 11 | - | 14 | 14 | - | 17 | 17 | 0.00% | 1.53% | 1.53% | 0.00% | 5.73% | 5.73% | 0.00% | 5.18% | 5.18% |
| 2034 | - | 12 | 12 | - | 14 | 14 | - | 17 | 17 | 0.00% | 6.02% | 6.02% | 0.00% | 1.20% | 1.20% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 12 | 12 | - | 14 | 14 | - | 17 | 17 | 0.00% | 1.42% | 1.42% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | 12 | 12 | - | 14 | 14 | - | 17 | 17 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | 12 | 12 | - | 14 | 14 | - | 17 | 17 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.13% |
| Medium: | 19.15% |
| Low: | 19.17% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Moxee (Beauchene)

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,582,855 | 1,589,722 | 4,172,578 | 2,695,503 | 1,684,774 | 4,380,276 | 2,843,215 | 1,781,799 | 4,625,014 |
| 2019 | 2,570,763 | 1,585,294 | 4,156,057 | 2,716,799 | 1,740,710 | 4,457,509 | 2,862,812 | 1,894,311 | 4,757,123 |
| 2020 | 2,586,885 | 1,583,320 | 4,170,205 | 2,761,913 | 1,750,424 | 4,512,337 | 2,938,905 | 1,915,553 | 4,854,458 |
| 2021 | 2,559,223 | 1,629,862 | 4,189,085 | 2,772,440 | 1,761,793 | 4,534,232 | 2,960,586 | 1,981,683 | 4,942,268 |
| 2022 | 2,564,958 | 1,633,652 | 4,198,609 | 2,799,366 | 1,773,322 | 4,572,688 | 3,024,147 | 2,001,110 | 5,025,257 |
| 2023 | 2,574,560 | 1,639,097 | 4,213,657 | 2,818,535 | 1,831,552 | 4,650,087 | 3,077,406 | 2,022,352 | 5,099,758 |
| 2024 | 2,605,400 | 1,644,861 | 4,250,261 | 2,886,707 | 1,843,240 | 4,729,947 | 3,157,012 | 2,088,322 | 5,245,334 |
| 2025 | 2,606,394 | 1,650,466 | 4,256,860 | 2,902,019 | 1,856,744 | 4,758,762 | 3,200,789 | 2,107,749 | 5,308,538 |
| 2026 | 2,627,576 | 1,659,860 | 4,287,436 | 2,938,705 | 1,872,062 | 4,810,767 | 3,280,343 | 2,128,991 | 5,409,334 |
| 2027 | 2,649,321 | 1,669,414 | 4,318,735 | 2,962,115 | 1,932,267 | 4,894,382 | 3,297,365 | 2,197,095 | 5,494,460 |
| 2028 | 2,689,250 | 1,678,968 | 4,368,219 | 3,035,135 | 1,949,560 | 4,984,695 | 3,381,681 | 2,218,337 | 5,600,019 |
| 2029 | 2,710,412 | 1,690,178 | 4,400,589 | 3,061,213 | 1,966,694 | 5,027,907 | 3,403,807 | 2,286,282 | 5,690,088 |
| 2030 | 2,735,007 | 1,748,408 | 4,483,415 | 3,105,312 | 1,983,987 | 5,089,299 | 3,467,956 | 2,309,339 | 5,777,295 |
| 2031 | 2,766,858 | 1,761,752 | 4,528,610 | 3,136,795 | 2,047,982 | 5,184,776 | 3,538,322 | 2,334,371 | 5,872,693 |
| 2032 | 2,820,768 | 1,775,096 | 4,595,863 | 3,216,382 | 2,067,249 | 5,283,631 | 3,608,261 | 2,402,475 | 6,010,735 |
| 2033 | 2,837,982 | 1,790,095 | 4,628,077 | 3,247,536 | 2,086,357 | 5,333,893 | 3,649,500 | 2,427,347 | 6,076,847 |
| 2034 | 2,879,438 | 1,805,413 | 4,684,851 | 3,298,349 | 2,107,440 | 5,405,789 | 3,722,835 | 2,452,539 | 6,175,374 |
| 2035 | 2,948,183 | 1,822,706 | 4,770,889 | 3,339,326 | 2,173,410 | 5,512,735 | 3,775,366 | 2,522,458 | 6,297,823 |
| 2036 | 2,986,584 | 1,884,567 | 4,871,151 | 3,423,319 | 2,196,307 | 5,619,626 | 3,870,439 | 2,549,305 | 6,419,744 |
| 2037 | 3,010,718 | 1,903,675 | 4,914,393 | 3,467,354 | 2,217,550 | 5,684,903 | 3,926,174 | 2,576,311 | 6,502,486 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.47% | -0.28% | -0.40% | 0.79% | 3.32% | 1.76% | 0.69% | 6.31% | 2.86% |
| 2020 | 0.63% | -0.12% | 0.34% | 1.66% | 0.56% | 1.23% | 2.66% | 1.12% | 2.05% |
| 2021 | -1.07% | 2.94% | 0.45% | 0.38% | 0.65% | 0.49% | 0.74% | 3.45% | 1.81% |
| 2022 | 0.22% | 0.23% | 0.23% | 0.97% | 0.65% | 0.85% | 2.15% | 0.98% | 1.68% |
| 2023 | 0.37% | 0.33% | 0.36% | 0.68% | 3.28% | 1.69% | 1.76% | 1.06% | 1.48% |
| 2024 | 1.20% | 0.35% | 0.87% | 2.42% | 0.64% | 1.72% | 2.59% | 3.26% | 2.85% |
| 2025 | 0.04% | 0.34% | 0.16% | 0.53% | 0.73% | 0.61% | 1.39% | 0.93% | 1.20% |
| 2026 | 0.81% | 0.57% | 0.72% | 1.26% | 0.83% | 1.09% | 2.49% | 1.01% | 1.90% |
| 2027 | 0.83% | 0.58% | 0.73% | 0.80% | 3.22% | 1.74% | 0.52% | 3.20% | 1.57% |
| 2028 | 1.51% | 0.57% | 1.15% | 2.47% | 0.89% | 1.85% | 2.56% | 0.97% | 1.92% |
| 2029 | 0.79% | 0.67% | 0.74% | 0.86% | 0.88% | 0.87% | 0.65% | 3.06% | 1.61% |
| 2030 | 0.91% | 3.45% | 1.88% | 1.44% | 0.88% | 1.22% | 1.88% | 1.01% | 1.53% |
| 2031 | 1.16% | 0.76% | 1.01% | 1.01% | 3.23% | 1.88% | 2.03% | 1.08% | 1.65% |
| 2032 | 1.95% | 0.76% | 1.49% | 2.54% | 0.94% | 1.91% | 1.98% | 2.92% | 2.35% |
| 2033 | 0.61% | 0.84% | 0.70% | 0.97% | 0.92% | 0.95% | 1.14% | 1.04% | 1.10% |
| 2034 | 1.46% | 0.86% | 1.23% | 1.56% | 1.01% | 1.35% | 2.01% | 1.04% | 1.62% |
| 2035 | 2.39% | 0.96% | 1.84% | 1.24% | 3.13% | 1.98% | 1.41% | 2.85% | 1.98% |
| 2036 | 1.30% | 3.39% | 2.10% | 2.52% | 1.05% | 1.94% | 2.52% | 1.06% | 1.94% |
| 2037 | 0.81% | 1.01% | 0.89% | 1.29% | 0.97% | 1.16% | 1.44% | 1.06% | 1.29% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 4,355 | 8,617 | 12,972 | 4,616 | 8,555 | 13,171 | 4,882 | 8,490 | 13,372 |
| 2019 | 4,343 | 8,943 | 13,286 | 4,769 | 8,721 | 13,490 | 5,190 | 8,505 | 13,695 |
| 2020 | 4,338 | 9,085 | 13,423 | 4,796 | 8,833 | 13,629 | 5,248 | 8,588 | 13,836 |
| 2021 | 4,465 | 9,026 | 13,491 | 4,827 | 8,871 | 13,698 | 5,429 | 8,477 | 13,906 |
| 2022 | 4,476 | 9,159 | 13,635 | 4,858 | 8,985 | 13,844 | 5,482 | 8,572 | 14,055 |
| 2023 | 4,491 | 9,465 | 13,955 | 5,018 | 9,151 | 14,169 | 5,541 | 8,844 | 14,385 |
| 2024 | 4,506 | 9,593 | 14,099 | 5,050 | 9,265 | 14,315 | 5,721 | 8,812 | 14,533 |
| 2025 | 4,522 | 9,728 | 14,250 | 5,087 | 9,381 | 14,468 | 5,775 | 8,914 | 14,688 |
| 2026 | 4,548 | 9,784 | 14,331 | 5,129 | 9,422 | 14,551 | 5,833 | 8,940 | 14,772 |
| 2027 | 4,574 | 10,085 | 14,659 | 5,294 | 9,589 | 14,883 | 6,019 | 9,090 | 15,110 |
| 2028 | 4,600 | 10,216 | 14,816 | 5,341 | 9,702 | 15,043 | 6,078 | 9,194 | 15,272 |
| 2029 | 4,631 | 10,336 | 14,966 | 5,388 | 9,807 | 15,196 | 6,264 | 9,163 | 15,427 |
| 2030 | 4,790 | 10,333 | 15,124 | 5,436 | 9,920 | 15,355 | 6,327 | 9,262 | 15,589 |
| 2031 | 4,827 | 10,638 | 15,465 | 5,611 | 10,091 | 15,702 | 6,396 | 9,545 | 15,941 |
| 2032 | 4,863 | 10,759 | 15,622 | 5,664 | 10,198 | 15,861 | 6,582 | 9,521 | 16,103 |
| 2033 | 4,904 | 10,882 | 15,786 | 5,716 | 10,312 | 16,028 | 6,650 | 9,622 | 16,272 |
| 2034 | 4,946 | 11,004 | 15,950 | 5,774 | 10,421 | 16,194 | 6,719 | 9,722 | 16,441 |
| 2035 | 4,994 | 11,297 | 16,291 | 5,955 | 10,586 | 16,541 | 6,911 | 9,882 | 16,793 |
| 2036 | 5,163 | 11,299 | 16,462 | 6,017 | 10,697 | 16,714 | 6,984 | 9,984 | 16,969 |
| 2037 | 5,216 | 11,410 | 16,626 | 6,075 | 10,805 | 16,881 | 7,058 | 10,079 | 17,138 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.28% | 3.78% | 2.42% | 3.32% | 1.93% | 2.42% | 6.31% | 0.18% | 2.42% |
| 2020 | -0.12% | 1.59% | 1.03% | 0.56% | 1.29% | 1.03% | 1.12% | 0.97% | 1.03% |
| 2021 | 2.94% | -0.65% | 0.51% | 0.65% | 0.43% | 0.51% | 3.45% | -1.29% | 0.51% |
| 2022 | 0.23% | 1.48% | 1.06% | 0.65% | 1.29% | 1.06% | 0.98% | 1.12% | 1.06% |
| 2023 | 0.33% | 3.34% | 2.35% | 3.28% | 1.85% | 2.35% | 1.06% | 3.18% | 2.35% |
| 2024 | 0.35% | 1.35% | 1.03% | 0.64% | 1.24% | 1.03% | 3.26% | -0.37% | 1.03% |
| 2025 | 0.34% | 1.41% | 1.07% | 0.73% | 1.25% | 1.07% | 0.93% | 1.16% | 1.07% |
| 2026 | 0.57% | 0.57% | 0.57% | 0.83% | 0.44% | 0.57% | 1.01% | 0.29% | 0.57% |
| 2027 | 0.58% | 3.08% | 2.28% | 3.22% | 1.78% | 2.28% | 3.20% | 1.69% | 2.28% |
| 2028 | 0.57% | 1.30% | 1.07% | 0.89% | 1.17% | 1.07% | 0.97% | 1.14% | 1.07% |
| 2029 | 0.67% | 1.17% | 1.02% | 0.88% | 1.09% | 1.02% | 3.06% | -0.34% | 1.02% |
| 2030 | 3.45% | -0.02% | 1.05% | 0.88% | 1.15% | 1.05% | 1.01% | 1.08% | 1.05% |
| 2031 | 0.76% | 2.95% | 2.26% | 3.23% | 1.72% | 2.26% | 1.08% | 3.05% | 2.26% |
| 2032 | 0.76% | 1.13% | 1.02% | 0.94% | 1.06% | 1.02% | 2.92% | -0.26% | 1.02% |
| 2033 | 0.84% | 1.14% | 1.05% | 0.92% | 1.12% | 1.05% | 1.04% | 1.06% | 1.05% |
| 2034 | 0.86% | 1.12% | 1.04% | 1.01% | 1.06% | 1.04% | 1.04% | 1.04% | 1.04% |
| 2035 | 0.96% | 2.67% | 2.14% | 3.13% | 1.59% | 2.14% | 2.85% | 1.65% | 2.14% |
| 2036 | 3.39% | 0.01% | 1.05% | 1.05% | 1.05% | 1.05% | 1.06% | 1.04% | 1.05% |
| 2037 | 1.01% | 0.99% | 1.00% | 0.97% | 1.01% | 1.00% | 1.06% | 0.95% | 1.00% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,005,440 | 3,167,138 | 4,172,578 | 1,022,555 | 3,357,721 | 4,380,276 | 1,039,748 | 3,585,267 | 4,625,014 |
| 2019 | 1,004,366 | 3,151,691 | 4,156,057 | 1,025,093 | 3,432,416 | 4,457,509 | 1,046,215 | 3,710,908 | 4,757,123 |
| 2020 | 1,007,870 | 3,162,335 | 4,170,205 | 1,031,875 | 3,480,462 | 4,512,337 | 1,055,844 | 3,798,614 | 4,854,458 |
| 2021 | 1,003,311 | 3,185,774 | 4,189,085 | 1,029,839 | 3,504,394 | 4,534,232 | 1,056,339 | 3,885,929 | 4,942,268 |
| 2022 | 1,002,933 | 3,195,676 | 4,198,609 | 1,031,861 | 3,540,827 | 4,572,688 | 1,060,645 | 3,964,611 | 5,025,257 |
| 2023 | 1,003,446 | 3,210,211 | 4,213,657 | 1,034,223 | 3,615,864 | 4,650,087 | 1,065,023 | 4,034,735 | 5,099,758 |
| 2024 | 1,008,530 | 3,241,731 | 4,250,261 | 1,041,573 | 3,688,374 | 4,729,947 | 1,074,629 | 4,170,705 | 5,245,334 |
| 2025 | 1,004,992 | 3,251,868 | 4,256,860 | 1,039,901 | 3,718,861 | 4,758,762 | 1,074,721 | 4,233,817 | 5,308,538 |
| 2026 | 1,006,127 | 3,281,309 | 4,287,436 | 1,042,761 | 3,768,006 | 4,810,767 | 1,079,393 | 4,329,941 | 5,409,334 |
| 2027 | 1,007,513 | 3,311,223 | 4,318,735 | 1,045,674 | 3,848,708 | 4,894,382 | 1,084,085 | 4,410,375 | 5,494,460 |
| 2028 | 1,012,384 | 3,355,835 | 4,368,219 | 1,052,574 | 3,932,121 | 4,984,695 | 1,092,615 | 4,507,403 | 5,600,019 |
| 2029 | 1,010,496 | 3,390,093 | 4,400,589 | 1,052,161 | 3,975,746 | 5,027,907 | 1,093,619 | 4,596,470 | 5,690,088 |
| 2030 | 1,012,420 | 3,470,995 | 4,483,415 | 1,055,520 | 4,033,779 | 5,089,299 | 1,098,482 | 4,678,814 | 5,777,295 |
| 2031 | 1,014,710 | 3,513,900 | 4,528,610 | 1,059,121 | 4,125,655 | 5,184,776 | 1,103,624 | 4,769,068 | 5,872,693 |
| 2032 | 1,021,225 | 3,574,638 | 4,595,863 | 1,067,201 | 4,216,430 | 5,283,631 | 1,113,270 | 4,897,466 | 6,010,735 |
| 2033 | 1,018,939 | 3,609,137 | 4,628,077 | 1,066,230 | 4,267,664 | 5,333,893 | 1,113,482 | 4,963,365 | 6,076,847 |
| 2034 | 1,021,514 | 3,663,337 | 4,684,851 | 1,070,277 | 4,335,512 | 5,405,789 | 1,118,894 | 5,056,479 | 6,175,374 |
| 2035 | 1,024,598 | 3,746,291 | 4,770,889 | 1,074,669 | 4,438,066 | 5,512,735 | 1,124,603 | 5,173,220 | 6,297,823 |
| 2036 | 1,032,245 | 3,838,906 | 4,871,151 | 1,083,498 | 4,536,128 | 5,619,626 | 1,135,062 | 5,284,681 | 6,419,744 |
| 2037 | 1,030,895 | 3,883,498 | 4,914,393 | 1,083,406 | 4,601,497 | 5,684,903 | 1,135,885 | 5,366,601 | 6,502,486 |

Annual Change

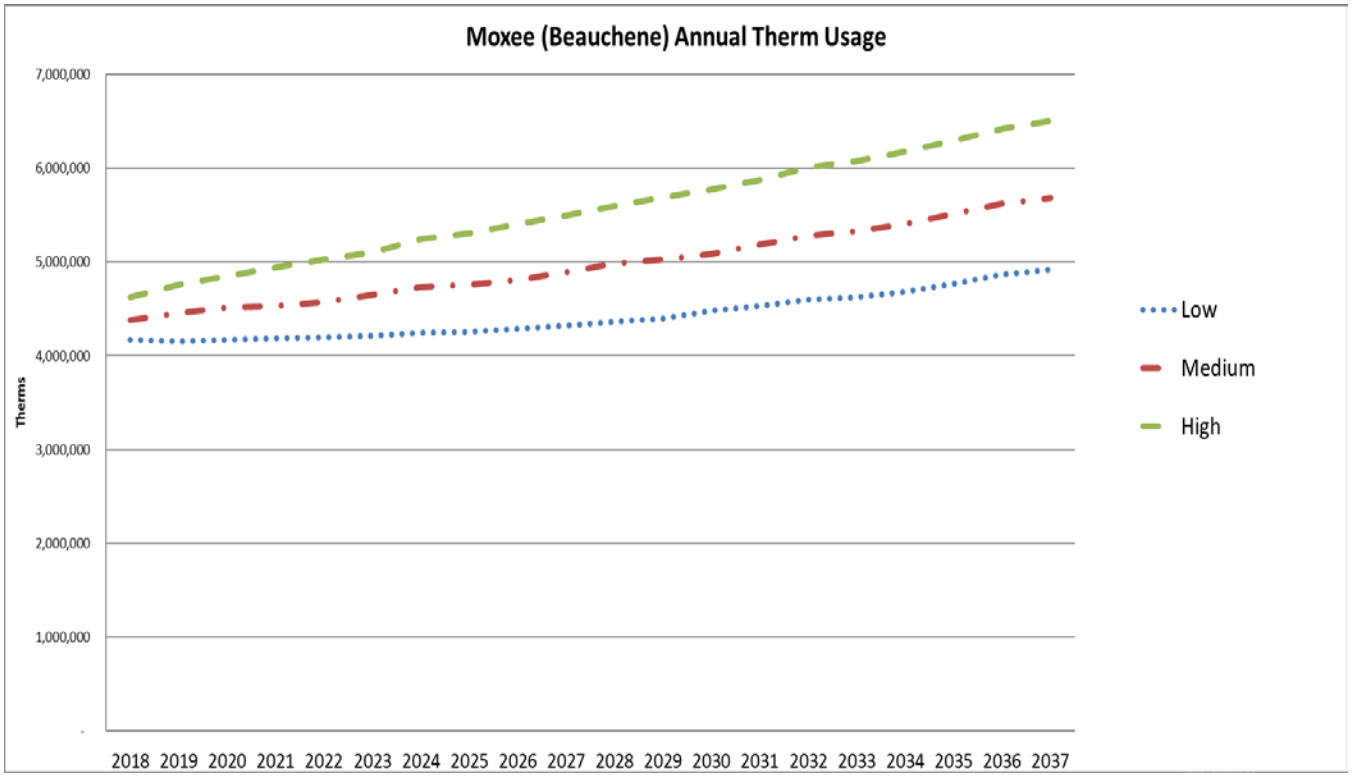
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.11% | -0.49% | -0.40% | 0.25% | 2.22% | 1.76% | 0.62% | 3.50% | 2.86% |
| 2020 | 0.35% | 0.34% | 0.34% | 0.66% | 1.40% | 1.23% | 0.92% | 2.36% | 2.05% |
| 2021 | -0.45% | 0.74% | 0.45% | -0.20% | 0.69% | 0.49% | 0.05% | 2.30% | 1.81% |
| 2022 | -0.04% | 0.31% | 0.23% | 0.20% | 1.04% | 0.85% | 0.41% | 2.02% | 1.68% |
| 2023 | 0.05% | 0.45% | 0.36% | 0.23% | 2.12% | 1.69% | 0.41% | 1.77% | 1.48% |
| 2024 | 0.51% | 0.98% | 0.87% | 0.71% | 2.01% | 1.72% | 0.90% | 3.37% | 2.85% |
| 2025 | -0.35% | 0.31% | 0.16% | -0.16% | 0.83% | 0.61% | 0.01% | 1.51% | 1.20% |
| 2026 | 0.11% | 0.91% | 0.72% | 0.27% | 1.32% | 1.09% | 0.43% | 2.27% | 1.90% |
| 2027 | 0.14% | 0.91% | 0.73% | 0.28% | 2.14% | 1.74% | 0.43% | 1.86% | 1.57% |
| 2028 | 0.48% | 1.35% | 1.15% | 0.66% | 2.17% | 1.85% | 0.79% | 2.20% | 1.92% |
| 2029 | -0.19% | 1.02% | 0.74% | -0.04% | 1.11% | 0.87% | 0.09% | 1.98% | 1.61% |
| 2030 | 0.19% | 2.39% | 1.88% | 0.32% | 1.46% | 1.22% | 0.44% | 1.79% | 1.53% |
| 2031 | 0.23% | 1.24% | 1.01% | 0.34% | 2.28% | 1.88% | 0.47% | 1.93% | 1.65% |
| 2032 | 0.64% | 1.73% | 1.49% | 0.76% | 2.20% | 1.91% | 0.87% | 2.69% | 2.35% |
| 2033 | -0.22% | 0.97% | 0.70% | -0.09% | 1.22% | 0.95% | 0.02% | 1.35% | 1.10% |
| 2034 | 0.25% | 1.50% | 1.23% | 0.38% | 1.59% | 1.35% | 0.49% | 1.88% | 1.62% |
| 2035 | 0.30% | 2.26% | 1.84% | 0.41% | 2.37% | 1.98% | 0.51% | 2.31% | 1.98% |
| 2036 | 0.75% | 2.47% | 2.10% | 0.82% | 2.21% | 1.94% | 0.93% | 2.15% | 1.94% |
| 2037 | -0.13% | 1.16% | 0.89% | -0.01% | 1.44% | 1.16% | 0.07% | 1.55% | 1.29% |

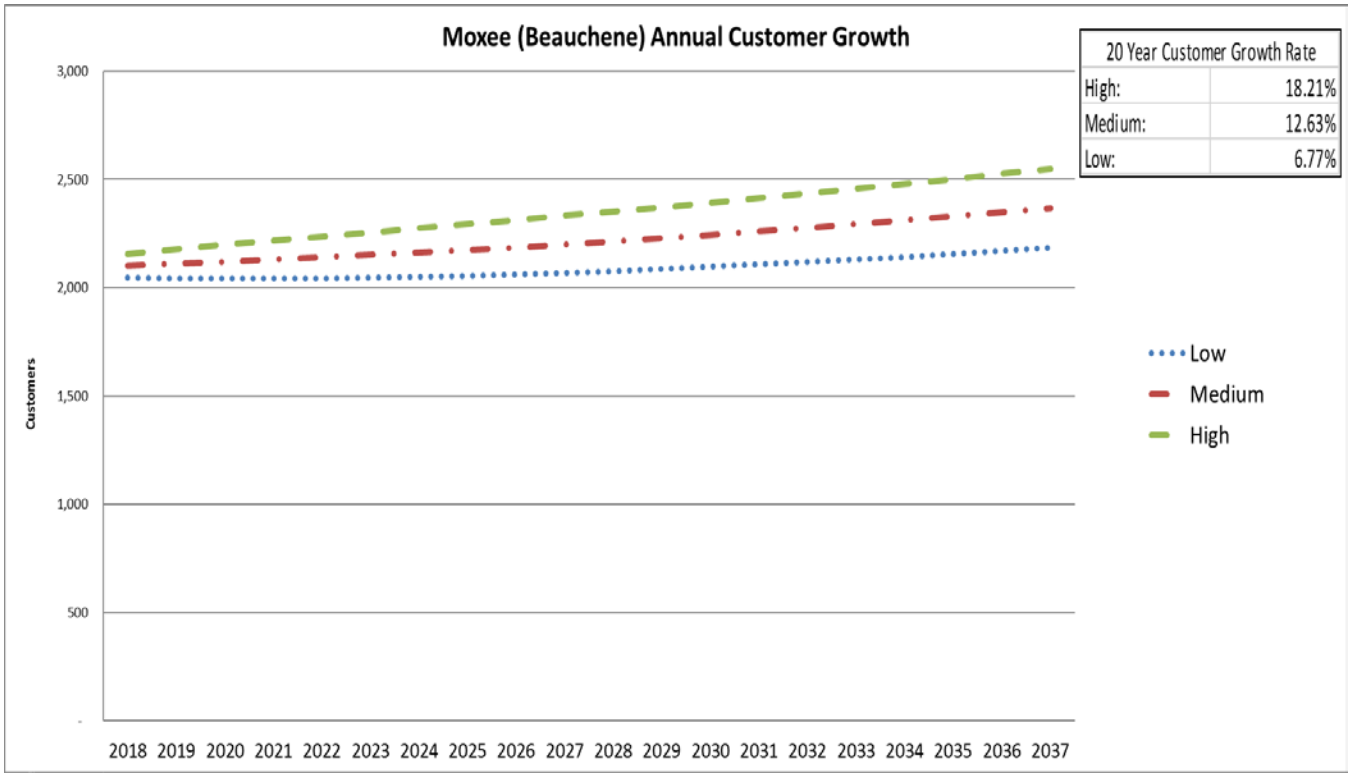
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,640 | 408 | 2,048 | 1,668 | 434 | 2,102 | 1,697 | 460 | 2,157 |
| 2019 | 1,637 | 406 | 2,043 | 1,672 | 440 | 2,111 | 1,707 | 473 | 2,179 |
| 2020 | 1,636 | 406 | 2,042 | 1,675 | 445 | 2,121 | 1,715 | 484 | 2,199 |
| 2021 | 1,636 | 407 | 2,042 | 1,679 | 451 | 2,130 | 1,723 | 495 | 2,218 |
| 2022 | 1,636 | 409 | 2,044 | 1,683 | 457 | 2,140 | 1,731 | 507 | 2,237 |
| 2023 | 1,636 | 411 | 2,048 | 1,687 | 464 | 2,151 | 1,738 | 517 | 2,255 |
| 2024 | 1,637 | 414 | 2,051 | 1,692 | 471 | 2,163 | 1,746 | 529 | 2,275 |
| 2025 | 1,639 | 417 | 2,056 | 1,696 | 478 | 2,175 | 1,754 | 540 | 2,294 |
| 2026 | 1,641 | 422 | 2,063 | 1,701 | 486 | 2,187 | 1,762 | 552 | 2,313 |
| 2027 | 1,643 | 427 | 2,070 | 1,706 | 495 | 2,201 | 1,770 | 563 | 2,333 |
| 2028 | 1,645 | 432 | 2,077 | 1,711 | 504 | 2,215 | 1,777 | 575 | 2,352 |
| 2029 | 1,648 | 438 | 2,087 | 1,717 | 513 | 2,230 | 1,785 | 587 | 2,372 |
| 2030 | 1,651 | 446 | 2,097 | 1,722 | 522 | 2,244 | 1,793 | 599 | 2,393 |
| 2031 | 1,655 | 453 | 2,108 | 1,728 | 532 | 2,260 | 1,802 | 612 | 2,414 |
| 2032 | 1,659 | 460 | 2,119 | 1,734 | 542 | 2,277 | 1,810 | 625 | 2,435 |
| 2033 | 1,663 | 468 | 2,130 | 1,741 | 553 | 2,294 | 1,819 | 638 | 2,457 |
| 2034 | 1,667 | 476 | 2,143 | 1,748 | 563 | 2,311 | 1,828 | 652 | 2,480 |
| 2035 | 1,672 | 485 | 2,157 | 1,754 | 575 | 2,329 | 1,837 | 665 | 2,502 |
| 2036 | 1,677 | 495 | 2,172 | 1,762 | 587 | 2,348 | 1,846 | 679 | 2,526 |
| 2037 | 1,682 | 505 | 2,187 | 1,769 | 599 | 2,368 | 1,856 | 694 | 2,549 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.15% | -0.55% | -0.23% | 0.19% | 1.34% | 0.43% | 0.55% | 2.86% | 1.04% |
| 2020 | -0.07% | -0.06% | -0.07% | 0.23% | 1.25% | 0.44% | 0.49% | 2.36% | 0.89% |
| 2021 | -0.03% | 0.25% | 0.03% | 0.23% | 1.29% | 0.46% | 0.48% | 2.34% | 0.89% |
| 2022 | 0.00% | 0.45% | 0.09% | 0.23% | 1.37% | 0.47% | 0.46% | 2.27% | 0.86% |
| 2023 | 0.06% | 0.57% | 0.16% | 0.24% | 1.53% | 0.52% | 0.43% | 2.07% | 0.80% |
| 2024 | 0.06% | 0.71% | 0.19% | 0.26% | 1.60% | 0.55% | 0.44% | 2.34% | 0.88% |
| 2025 | 0.08% | 0.83% | 0.23% | 0.27% | 1.45% | 0.53% | 0.44% | 2.13% | 0.84% |
| 2026 | 0.11% | 1.14% | 0.32% | 0.28% | 1.66% | 0.58% | 0.44% | 2.08% | 0.83% |
| 2027 | 0.15% | 1.14% | 0.36% | 0.30% | 1.71% | 0.61% | 0.45% | 2.08% | 0.84% |
| 2028 | 0.13% | 1.23% | 0.36% | 0.31% | 1.87% | 0.66% | 0.43% | 2.07% | 0.83% |
| 2029 | 0.18% | 1.43% | 0.44% | 0.32% | 1.77% | 0.65% | 0.46% | 2.10% | 0.86% |
| 2030 | 0.18% | 1.65% | 0.49% | 0.32% | 1.80% | 0.66% | 0.45% | 2.12% | 0.86% |
| 2031 | 0.23% | 1.57% | 0.51% | 0.35% | 1.88% | 0.71% | 0.47% | 2.17% | 0.90% |
| 2032 | 0.23% | 1.58% | 0.52% | 0.35% | 1.97% | 0.73% | 0.47% | 2.07% | 0.87% |
| 2033 | 0.24% | 1.72% | 0.56% | 0.37% | 1.94% | 0.74% | 0.47% | 2.11% | 0.89% |
| 2034 | 0.27% | 1.84% | 0.61% | 0.39% | 1.93% | 0.76% | 0.50% | 2.12% | 0.92% |
| 2035 | 0.28% | 1.78% | 0.62% | 0.39% | 2.03% | 0.79% | 0.49% | 2.11% | 0.91% |
| 2036 | 0.31% | 2.11% | 0.71% | 0.40% | 2.09% | 0.82% | 0.51% | 2.09% | 0.93% |
| 2037 | 0.30% | 1.90% | 0.67% | 0.41% | 2.06% | 0.82% | 0.50% | 2.16% | 0.95% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 18.21% |
| Medium: | 12.63% |
| Low: | 6.77% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## North Pasco

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,543,565 | 1,113,408 | 4,656,973 | 3,628,100 | 1,141,410 | 4,769,510 | 3,710,320 | 1,171,775 | 4,882,095 |
| 2019 | 3,607,070 | 1,131,221 | 4,738,291 | 3,717,281 | 1,167,715 | 4,884,995 | 3,827,298 | 1,204,489 | 5,031,787 |
| 2020 | 3,696,448 | 1,151,958 | 4,848,406 | 3,830,276 | 1,194,581 | 5,024,856 | 3,961,543 | 1,237,484 | 5,199,027 |
| 2021 | 3,751,254 | 1,172,976 | 4,924,230 | 3,900,920 | 1,222,009 | 5,122,929 | 4,049,823 | 1,270,761 | 5,320,584 |
| 2022 | 3,833,921 | 1,194,837 | 5,028,758 | 3,996,643 | 1,249,437 | 5,246,080 | 4,160,989 | 1,304,037 | 5,465,026 |
| 2023 | 3,914,243 | 1,219,622 | 5,133,866 | 4,093,788 | 1,277,427 | 5,371,215 | 4,271,584 | 1,335,513 | 5,607,097 |
| 2024 | 4,021,736 | 1,244,688 | 5,266,424 | 4,215,656 | 1,305,979 | 5,521,635 | 4,424,701 | 1,407,336 | 5,832,037 |
| 2025 | 4,088,830 | 1,267,673 | 5,356,503 | 4,294,092 | 1,334,811 | 5,628,904 | 4,512,626 | 1,439,374 | 5,952,001 |
| 2026 | 4,179,783 | 1,293,862 | 5,473,645 | 4,395,553 | 1,366,287 | 5,761,840 | 4,628,294 | 1,474,055 | 6,102,349 |
| 2027 | 4,271,328 | 1,322,695 | 5,594,023 | 4,501,725 | 1,395,963 | 5,897,687 | 4,743,654 | 1,506,936 | 6,250,590 |
| 2028 | 4,394,068 | 1,349,446 | 5,743,515 | 4,635,806 | 1,425,919 | 6,061,726 | 4,890,764 | 1,542,459 | 6,433,223 |
| 2029 | 4,470,938 | 1,376,760 | 5,847,697 | 4,718,904 | 1,458,800 | 6,177,704 | 4,982,651 | 1,575,902 | 6,558,552 |
| 2030 | 4,568,662 | 1,406,997 | 5,975,658 | 4,829,298 | 1,489,599 | 6,318,897 | 5,102,461 | 1,612,268 | 6,714,729 |
| 2031 | 4,675,460 | 1,435,153 | 6,110,613 | 4,943,019 | 1,523,322 | 6,466,341 | 5,228,340 | 1,646,553 | 6,874,893 |
| 2032 | 4,808,343 | 1,466,233 | 6,274,576 | 5,087,047 | 1,557,326 | 6,644,373 | 5,380,639 | 1,683,762 | 7,064,401 |
| 2033 | 4,890,678 | 1,497,875 | 6,388,553 | 5,174,262 | 1,589,530 | 6,763,792 | 5,476,314 | 1,721,252 | 7,197,566 |
| 2034 | 5,000,718 | 1,529,798 | 6,530,516 | 5,294,645 | 1,624,377 | 6,919,023 | 5,607,378 | 1,756,661 | 7,364,040 |
| 2035 | 5,113,560 | 1,562,283 | 6,675,842 | 5,416,051 | 1,659,786 | 7,075,837 | 5,735,318 | 1,794,994 | 7,530,313 |
| 2036 | 5,258,137 | 1,595,048 | 6,853,186 | 5,571,859 | 1,695,476 | 7,267,335 | 5,899,093 | 1,833,608 | 7,732,701 |
| 2037 | 5,346,620 | 1,628,376 | 6,974,996 | 5,681,485 | 1,769,432 | 7,450,917 | 5,998,777 | 1,872,784 | 7,871,561 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.79% | 1.60% | 1.75% | 2.46% | 2.30% | 2.42% | 3.15% | 2.79% | 3.07% |
| 2020 | 2.48% | 1.83% | 2.32% | 3.04% | 2.30% | 2.86% | 3.51% | 2.74% | 3.32% |
| 2021 | 1.48% | 1.82% | 1.56% | 1.84% | 2.30% | 1.95% | 2.23% | 2.69% | 2.34% |
| 2022 | 2.20% | 1.86% | 2.12% | 2.45% | 2.24% | 2.40% | 2.74% | 2.62% | 2.71% |
| 2023 | 2.10% | 2.07% | 2.09% | 2.43% | 2.24% | 2.39% | 2.66% | 2.41% | 2.60% |
| 2024 | 2.75% | 2.06% | 2.58% | 2.98% | 2.24% | 2.80% | 3.58% | 5.38% | 4.01% |
| 2025 | 1.67% | 1.85% | 1.71% | 1.86% | 2.21% | 1.94% | 1.99% | 2.28% | 2.06% |
| 2026 | 2.22% | 2.07% | 2.19% | 2.36% | 2.36% | 2.36% | 2.56% | 2.41% | 2.53% |
| 2027 | 2.19% | 2.23% | 2.20% | 2.42% | 2.17% | 2.36% | 2.49% | 2.23% | 2.43% |
| 2028 | 2.87% | 2.02% | 2.67% | 2.98% | 2.15% | 2.78% | 3.10% | 2.36% | 2.92% |
| 2029 | 1.75% | 2.02% | 1.81% | 1.79% | 2.31% | 1.91% | 1.88% | 2.17% | 1.95% |
| 2030 | 2.19% | 2.20% | 2.19% | 2.34% | 2.11% | 2.29% | 2.40% | 2.31% | 2.38% |
| 2031 | 2.34% | 2.00% | 2.26% | 2.35% | 2.26% | 2.33% | 2.47% | 2.13% | 2.39% |
| 2032 | 2.84% | 2.17% | 2.68% | 2.91% | 2.23% | 2.75% | 2.91% | 2.26% | 2.76% |
| 2033 | 1.71% | 2.16% | 1.82% | 1.71% | 2.07% | 1.80% | 1.78% | 2.23% | 1.89% |
| 2034 | 2.25% | 2.13% | 2.22% | 2.33% | 2.19% | 2.30% | 2.39% | 2.06% | 2.31% |
| 2035 | 2.26% | 2.12% | 2.23% | 2.29% | 2.18% | 2.27% | 2.28% | 2.18% | 2.26% |
| 2036 | 2.83% | 2.10% | 2.66% | 2.88% | 2.15% | 2.71% | 2.86% | 2.15% | 2.69% |
| 2037 | 1.68% | 2.09% | 1.78% | 1.97% | 4.36% | 2.53% | 1.69% | 2.14% | 1.80% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 3,050 | 63,008 | 66,058 | 3,127 | 63,944 | 67,071 | 3,210 | 64,882 | 68,092 |
| 2019 | 3,099 | 64,603 | 67,702 | 3,199 | 65,540 | 68,740 | 3,300 | 66,486 | 69,786 |
| 2020 | 3,156 | 66,208 | 69,364 | 3,273 | 67,155 | 70,427 | 3,390 | 68,109 | 71,500 |
| 2021 | 3,214 | 67,850 | 71,064 | 3,348 | 68,805 | 72,153 | 3,482 | 69,770 | 73,252 |
| 2022 | 3,274 | 69,509 | 72,782 | 3,423 | 70,475 | 73,898 | 3,573 | 71,450 | 75,023 |
| 2023 | 3,341 | 71,196 | 74,538 | 3,500 | 72,180 | 75,680 | 3,659 | 73,174 | 76,833 |
| 2024 | 3,410 | 72,902 | 76,312 | 3,578 | 73,904 | 77,482 | 3,856 | 74,806 | 78,662 |
| 2025 | 3,473 | 74,632 | 78,105 | 3,657 | 75,645 | 79,302 | 3,943 | 76,566 | 80,510 |
| 2026 | 3,545 | 76,517 | 80,062 | 3,743 | 77,545 | 81,289 | 4,039 | 78,488 | 82,526 |
| 2027 | 3,624 | 78,287 | 81,911 | 3,825 | 79,341 | 83,166 | 4,129 | 80,304 | 84,432 |
| 2028 | 3,697 | 80,100 | 83,797 | 3,907 | 81,175 | 85,081 | 4,226 | 82,151 | 86,377 |
| 2029 | 3,772 | 82,056 | 85,828 | 3,997 | 83,147 | 87,144 | 4,318 | 84,153 | 88,471 |
| 2030 | 3,855 | 84,042 | 87,897 | 4,081 | 85,163 | 89,244 | 4,417 | 86,186 | 90,603 |
| 2031 | 3,932 | 85,926 | 89,858 | 4,173 | 87,061 | 91,235 | 4,511 | 88,113 | 92,624 |
| 2032 | 4,017 | 87,946 | 91,964 | 4,267 | 89,106 | 93,373 | 4,613 | 90,182 | 94,795 |
| 2033 | 4,104 | 90,022 | 94,125 | 4,355 | 91,213 | 95,568 | 4,716 | 92,307 | 97,023 |
| 2034 | 4,191 | 92,096 | 96,287 | 4,450 | 93,313 | 97,763 | 4,813 | 94,439 | 99,252 |
| 2035 | 4,280 | 94,099 | 98,379 | 4,547 | 95,340 | 99,887 | 4,918 | 96,490 | 101,408 |
| 2036 | 4,370 | 96,227 | 100,597 | 4,645 | 97,494 | 102,139 | 5,024 | 98,670 | 103,694 |
| 2037 | 4,461 | 98,793 | 103,254 | 4,848 | 99,989 | 104,837 | 5,131 | 101,302 | 106,433 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.60% | 2.53% | 2.49% | 2.30% | 2.50% | 2.49% | 2.79% | 2.47% | 2.49% |
| 2020 | 1.83% | 2.49% | 2.46% | 2.30% | 2.46% | 2.46% | 2.74% | 2.44% | 2.46% |
| 2021 | 1.82% | 2.48% | 2.45% | 2.30% | 2.46% | 2.45% | 2.69% | 2.44% | 2.45% |
| 2022 | 1.86% | 2.44% | 2.42% | 2.24% | 2.43% | 2.42% | 2.62% | 2.41% | 2.42% |
| 2023 | 2.07% | 2.43% | 2.41% | 2.24% | 2.42% | 2.41% | 2.41% | 2.41% | 2.41% |
| 2024 | 2.06% | 2.40% | 2.38% | 2.24% | 2.39% | 2.38% | 5.38% | 2.23% | 2.38% |
| 2025 | 1.85% | 2.37% | 2.35% | 2.21% | 2.36% | 2.35% | 2.28% | 2.35% | 2.35% |
| 2026 | 2.07% | 2.53% | 2.50% | 2.36% | 2.51% | 2.50% | 2.41% | 2.51% | 2.50% |
| 2027 | 2.23% | 2.31% | 2.31% | 2.17% | 2.32% | 2.31% | 2.23% | 2.31% | 2.31% |
| 2028 | 2.02% | 2.32% | 2.30% | 2.15% | 2.31% | 2.30% | 2.36% | 2.30% | 2.30% |
| 2029 | 2.02% | 2.44% | 2.42% | 2.31% | 2.43% | 2.42% | 2.17% | 2.44% | 2.42% |
| 2030 | 2.20% | 2.42% | 2.41% | 2.11% | 2.42% | 2.41% | 2.31% | 2.42% | 2.41% |
| 2031 | 2.00% | 2.24% | 2.23% | 2.26% | 2.23% | 2.23% | 2.13% | 2.24% | 2.23% |
| 2032 | 2.17% | 2.35% | 2.34% | 2.23% | 2.35% | 2.34% | 2.26% | 2.35% | 2.34% |
| 2033 | 2.16% | 2.36% | 2.35% | 2.07% | 2.36% | 2.35% | 2.23% | 2.36% | 2.35% |
| 2034 | 2.13% | 2.30% | 2.30% | 2.19% | 2.30% | 2.30% | 2.06% | 2.31% | 2.30% |
| 2035 | 2.12% | 2.17% | 2.17% | 2.18% | 2.17% | 2.17% | 2.18% | 2.17% | 2.17% |
| 2036 | 2.10% | 2.26% | 2.25% | 2.15% | 2.26% | 2.25% | 2.15% | 2.26% | 2.25% |
| 2037 | 2.09% | 2.67% | 2.64% | 4.36% | 2.56% | 2.64% | 2.14% | 2.67% | 2.64% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,708,873 | 1,948,100 | 4,656,973 | 2,738,760 | 2,030,750 | 4,769,510 | 2,768,636 | 2,113,459 | 4,882,095 |
| 2019 | 2,780,906 | 1,957,385 | 4,738,291 | 2,819,272 | 2,065,723 | 4,884,995 | 2,857,717 | 2,174,070 | 5,031,787 |
| 2020 | 2,868,784 | 1,979,622 | 4,848,406 | 2,914,320 | 2,110,537 | 5,024,856 | 2,959,848 | 2,239,178 | 5,199,027 |
| 2021 | 2,934,337 | 1,989,894 | 4,924,230 | 2,985,470 | 2,137,459 | 5,122,929 | 3,037,120 | 2,283,464 | 5,320,584 |
| 2022 | 3,014,621 | 2,014,137 | 5,028,758 | 3,071,570 | 2,174,510 | 5,246,080 | 3,128,513 | 2,336,513 | 5,465,026 |
| 2023 | 3,097,737 | 2,036,129 | 5,133,866 | 3,159,331 | 2,211,884 | 5,371,215 | 3,221,099 | 2,385,998 | 5,607,097 |
| 2024 | 3,196,890 | 2,069,534 | 5,266,424 | 3,263,270 | 2,258,365 | 5,521,635 | 3,329,504 | 2,502,533 | 5,832,037 |
| 2025 | 3,270,042 | 2,086,461 | 5,356,503 | 3,340,334 | 2,288,569 | 5,628,904 | 3,410,680 | 2,541,320 | 5,952,001 |
| 2026 | 3,359,329 | 2,114,316 | 5,473,645 | 3,433,760 | 2,328,080 | 5,761,840 | 3,508,050 | 2,594,299 | 6,102,349 |
| 2027 | 3,450,977 | 2,143,046 | 5,594,023 | 3,528,808 | 2,368,880 | 5,897,687 | 3,607,133 | 2,643,456 | 6,250,590 |
| 2028 | 3,560,615 | 2,182,900 | 5,743,515 | 3,642,884 | 2,418,842 | 6,061,726 | 3,725,177 | 2,708,046 | 6,433,223 |
| 2029 | 3,640,526 | 2,207,171 | 5,847,697 | 3,725,786 | 2,451,918 | 6,177,704 | 3,810,939 | 2,747,613 | 6,558,552 |
| 2030 | 3,738,410 | 2,237,249 | 5,975,658 | 3,827,002 | 2,491,895 | 6,318,897 | 3,915,963 | 2,798,765 | 6,714,729 |
| 2031 | 3,838,446 | 2,272,167 | 6,110,613 | 3,930,325 | 2,536,017 | 6,466,341 | 4,022,143 | 2,852,750 | 6,874,893 |
| 2032 | 3,957,916 | 2,316,660 | 6,274,576 | 4,053,556 | 2,590,817 | 6,644,373 | 4,148,994 | 2,915,407 | 7,064,401 |
| 2033 | 4,045,320 | 2,343,233 | 6,388,553 | 4,143,089 | 2,620,704 | 6,763,792 | 4,241,275 | 2,956,291 | 7,197,566 |
| 2034 | 4,151,715 | 2,378,801 | 6,530,516 | 4,252,615 | 2,666,407 | 6,919,023 | 4,353,249 | 3,010,791 | 7,364,040 |
| 2035 | 4,260,050 | 2,415,792 | 6,675,842 | 4,363,399 | 2,712,438 | 7,075,837 | 4,467,228 | 3,063,085 | 7,530,313 |
| 2036 | 4,389,649 | 2,463,537 | 6,853,186 | 4,496,752 | 2,770,583 | 7,267,335 | 4,603,746 | 3,128,955 | 7,732,701 |
| 2037 | 4,483,103 | 2,491,893 | 6,974,996 | 4,592,292 | 2,858,625 | 7,450,917 | 4,701,384 | 3,170,177 | 7,871,561 |

Annual Change

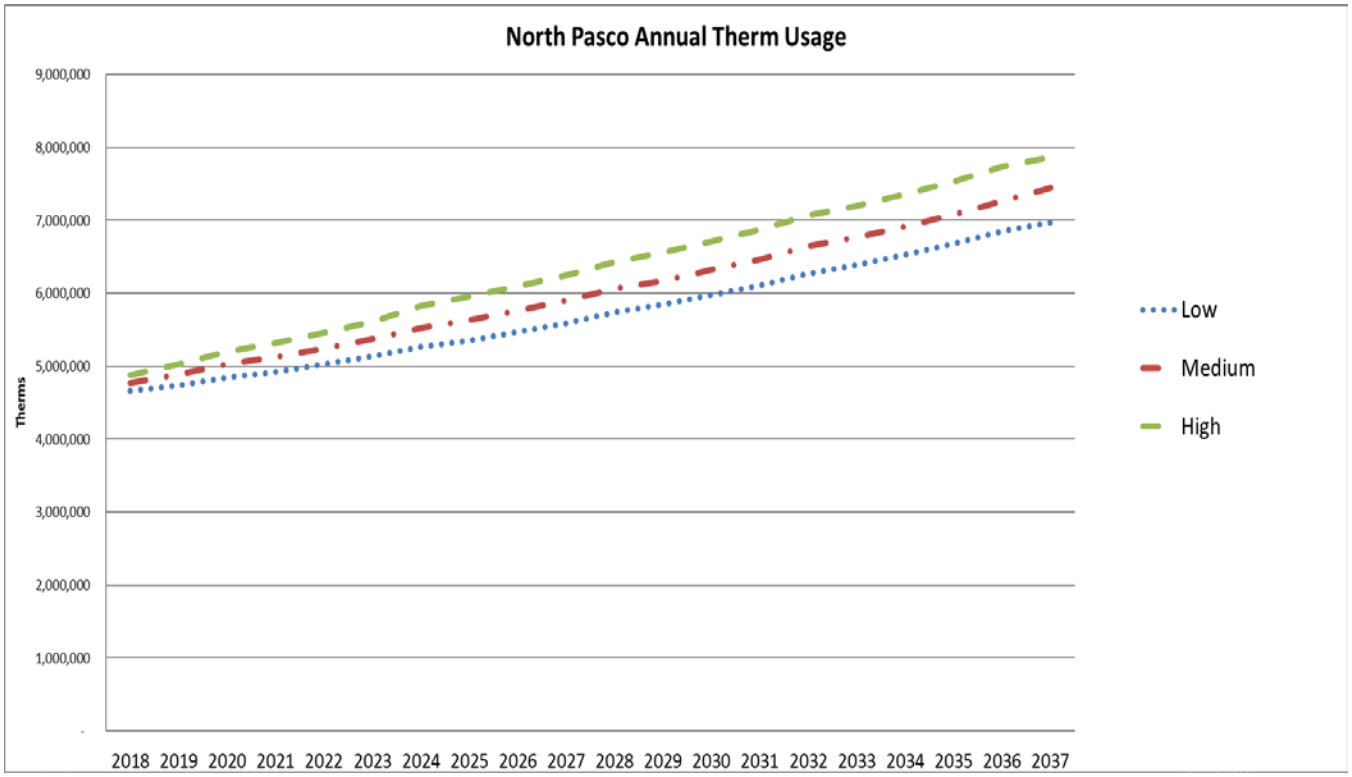
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.66% | 0.48% | 1.75% | 2.94% | 1.72% | 2.42% | 3.22% | 2.87% | 3.07% |
| 2020 | 3.16% | 1.14% | 2.32% | 3.37% | 2.17% | 2.86% | 3.57% | 2.99% | 3.32% |
| 2021 | 2.29% | 0.52% | 1.56% | 2.44% | 1.28% | 1.95% | 2.61% | 1.98% | 2.34% |
| 2022 | 2.74% | 1.22% | 2.12% | 2.88% | 1.73% | 2.40% | 3.01% | 2.32% | 2.71% |
| 2023 | 2.76% | 1.09% | 2.09% | 2.86% | 1.72% | 2.39% | 2.96% | 2.12% | 2.60% |
| 2024 | 3.20% | 1.64% | 2.58% | 3.29% | 2.10% | 2.80% | 3.37% | 4.88% | 4.01% |
| 2025 | 2.29% | 0.82% | 1.71% | 2.36% | 1.34% | 1.94% | 2.44% | 1.55% | 2.06% |
| 2026 | 2.73% | 1.34% | 2.19% | 2.80% | 1.73% | 2.36% | 2.85% | 2.08% | 2.53% |
| 2027 | 2.73% | 1.36% | 2.20% | 2.77% | 1.75% | 2.36% | 2.82% | 1.89% | 2.43% |
| 2028 | 3.18% | 1.86% | 2.67% | 3.23% | 2.11% | 2.78% | 3.27% | 2.44% | 2.92% |
| 2029 | 2.24% | 1.11% | 1.81% | 2.28% | 1.37% | 1.91% | 2.30% | 1.46% | 1.95% |
| 2030 | 2.69% | 1.36% | 2.19% | 2.72% | 1.63% | 2.29% | 2.76% | 1.86% | 2.38% |
| 2031 | 2.68% | 1.56% | 2.26% | 2.70% | 1.77% | 2.33% | 2.71% | 1.93% | 2.39% |
| 2032 | 3.11% | 1.96% | 2.68% | 3.14% | 2.16% | 2.75% | 3.15% | 2.20% | 2.76% |
| 2033 | 2.21% | 1.15% | 1.82% | 2.21% | 1.15% | 1.80% | 2.22% | 1.40% | 1.89% |
| 2034 | 2.63% | 1.52% | 2.22% | 2.64% | 1.74% | 2.30% | 2.64% | 1.84% | 2.31% |
| 2035 | 2.61% | 1.56% | 2.23% | 2.61% | 1.73% | 2.27% | 2.62% | 1.74% | 2.26% |
| 2036 | 3.04% | 1.98% | 2.66% | 3.06% | 2.14% | 2.71% | 3.06% | 2.15% | 2.69% |
| 2037 | 2.13% | 1.15% | 1.78% | 2.12% | 3.18% | 2.53% | 2.12% | 1.32% | 1.80% |

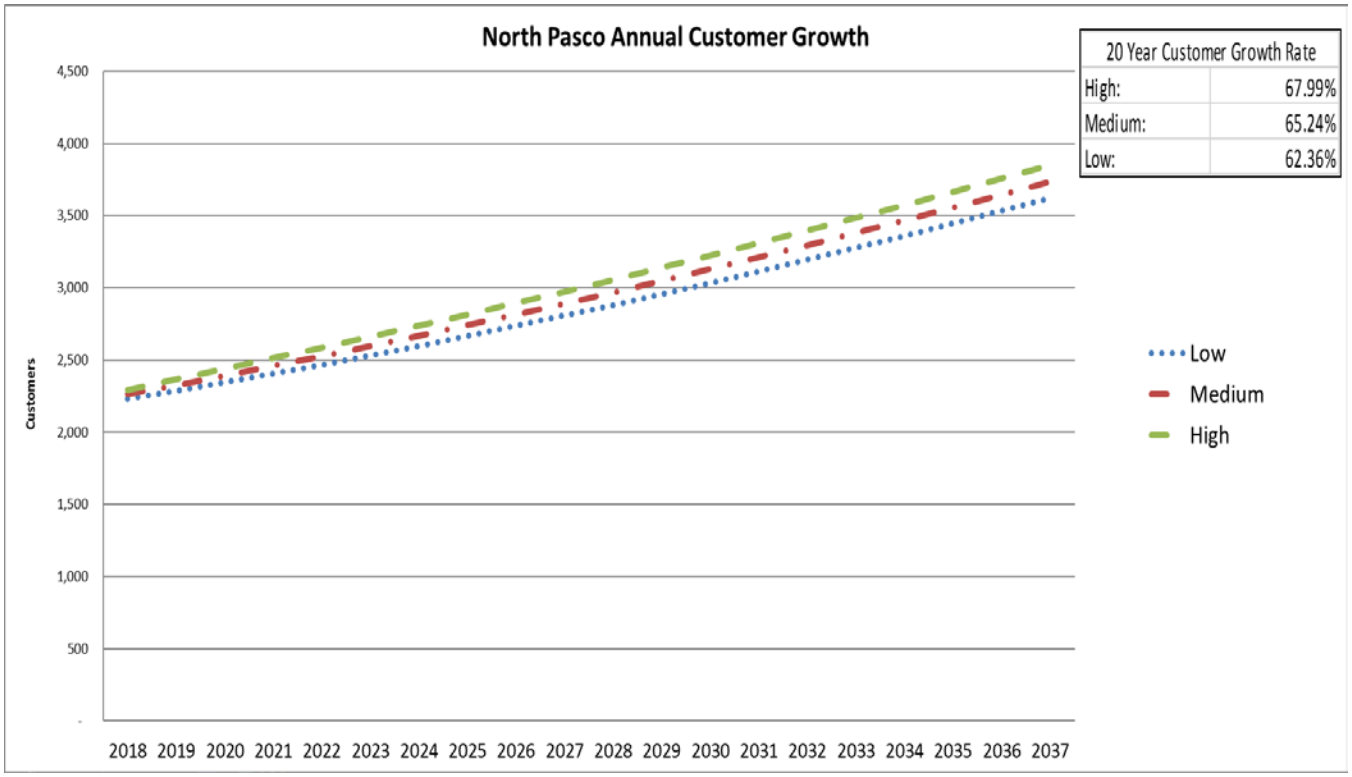
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,030 | 200 | 2,230 | 2,053 | 209 | 2,262 | 2,075 | 218 | 2,294 |
| 2019 | 2,084 | 201 | 2,285 | 2,113 | 213 | 2,326 | 2,142 | 225 | 2,367 |
| 2020 | 2,141 | 203 | 2,344 | 2,175 | 217 | 2,392 | 2,209 | 231 | 2,440 |
| 2021 | 2,199 | 205 | 2,404 | 2,238 | 221 | 2,459 | 2,277 | 237 | 2,513 |
| 2022 | 2,260 | 207 | 2,467 | 2,302 | 225 | 2,527 | 2,345 | 242 | 2,587 |
| 2023 | 2,322 | 210 | 2,532 | 2,368 | 229 | 2,597 | 2,415 | 248 | 2,662 |
| 2024 | 2,386 | 213 | 2,598 | 2,436 | 233 | 2,668 | 2,485 | 254 | 2,739 |
| 2025 | 2,451 | 215 | 2,666 | 2,504 | 237 | 2,741 | 2,557 | 260 | 2,817 |
| 2026 | 2,518 | 218 | 2,737 | 2,574 | 241 | 2,816 | 2,630 | 265 | 2,895 |
| 2027 | 2,587 | 221 | 2,809 | 2,646 | 246 | 2,891 | 2,705 | 271 | 2,975 |
| 2028 | 2,657 | 225 | 2,882 | 2,719 | 250 | 2,969 | 2,780 | 276 | 3,057 |
| 2029 | 2,730 | 228 | 2,958 | 2,794 | 255 | 3,048 | 2,858 | 282 | 3,139 |
| 2030 | 2,803 | 232 | 3,034 | 2,870 | 259 | 3,128 | 2,936 | 287 | 3,224 |
| 2031 | 2,878 | 235 | 3,113 | 2,947 | 264 | 3,211 | 3,016 | 293 | 3,309 |
| 2032 | 2,955 | 239 | 3,194 | 3,026 | 268 | 3,295 | 3,098 | 299 | 3,396 |
| 2033 | 3,033 | 243 | 3,276 | 3,107 | 273 | 3,380 | 3,180 | 304 | 3,484 |
| 2034 | 3,113 | 247 | 3,360 | 3,189 | 278 | 3,466 | 3,264 | 310 | 3,574 |
| 2035 | 3,195 | 251 | 3,445 | 3,272 | 283 | 3,555 | 3,350 | 316 | 3,666 |
| 2036 | 3,277 | 255 | 3,532 | 3,357 | 288 | 3,645 | 3,437 | 321 | 3,759 |
| 2037 | 3,362 | 259 | 3,621 | 3,444 | 294 | 3,738 | 3,526 | 327 | 3,853 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.67% | 0.50% | 2.47% | 2.94% | 1.83% | 2.84% | 3.21% | 2.98% | 3.19% |
| 2020 | 2.71% | 0.83% | 2.55% | 2.92% | 1.80% | 2.82% | 3.12% | 2.67% | 3.08% |
| 2021 | 2.74% | 0.99% | 2.59% | 2.90% | 1.81% | 2.80% | 3.07% | 2.53% | 3.02% |
| 2022 | 2.74% | 1.22% | 2.61% | 2.88% | 1.77% | 2.78% | 3.00% | 2.40% | 2.94% |
| 2023 | 2.76% | 1.17% | 2.63% | 2.86% | 1.82% | 2.77% | 2.96% | 2.24% | 2.90% |
| 2024 | 2.75% | 1.31% | 2.63% | 2.85% | 1.75% | 2.75% | 2.92% | 2.69% | 2.90% |
| 2025 | 2.74% | 1.25% | 2.62% | 2.82% | 1.83% | 2.73% | 2.89% | 2.10% | 2.82% |
| 2026 | 2.74% | 1.39% | 2.63% | 2.80% | 1.79% | 2.71% | 2.86% | 2.18% | 2.80% |
| 2027 | 2.73% | 1.49% | 2.63% | 2.78% | 1.80% | 2.69% | 2.83% | 2.01% | 2.75% |
| 2028 | 2.71% | 1.47% | 2.61% | 2.76% | 1.76% | 2.68% | 2.80% | 2.09% | 2.74% |
| 2029 | 2.71% | 1.56% | 2.62% | 2.75% | 1.83% | 2.67% | 2.77% | 1.99% | 2.70% |
| 2030 | 2.69% | 1.46% | 2.59% | 2.72% | 1.74% | 2.64% | 2.76% | 1.98% | 2.69% |
| 2031 | 2.68% | 1.58% | 2.60% | 2.70% | 1.80% | 2.63% | 2.72% | 1.94% | 2.65% |
| 2032 | 2.67% | 1.59% | 2.59% | 2.68% | 1.80% | 2.61% | 2.70% | 1.91% | 2.63% |
| 2033 | 2.66% | 1.64% | 2.58% | 2.66% | 1.68% | 2.58% | 2.67% | 1.90% | 2.60% |
| 2034 | 2.63% | 1.58% | 2.55% | 2.64% | 1.77% | 2.57% | 2.64% | 1.89% | 2.58% |
| 2035 | 2.62% | 1.62% | 2.54% | 2.62% | 1.77% | 2.55% | 2.63% | 1.86% | 2.56% |
| 2036 | 2.59% | 1.63% | 2.52% | 2.60% | 1.77% | 2.53% | 2.60% | 1.82% | 2.53% |
| 2037 | 2.59% | 1.64% | 2.52% | 2.58% | 2.09% | 2.54% | 2.57% | 1.84% | 2.51% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 67.99% |
| Medium: | 65.24% |
| Low: | 62.36% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Othello

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 1,172,543 | 967,732 | 2,140,275 | 1,225,722 | 1,027,173 | 2,252,895 | 1,288,422 | 1,114,826 | 2,403,247 |
| 2019 | 1,161,850 | 962,709 | 2,124,559 | 1,237,175 | 1,058,129 | 2,295,303 | 1,303,203 | 1,124,046 | 2,427,248 |
| 2020 | 1,171,395 | 987,514 | 2,158,909 | 1,248,234 | 1,059,419 | 2,307,653 | 1,332,880 | 1,161,152 | 2,494,032 |
| 2021 | 1,156,721 | 984,596 | 2,141,317 | 1,250,766 | 1,090,538 | 2,341,304 | 1,344,009 | 1,197,932 | 2,541,942 |
| 2022 | 1,158,968 | 1,011,343 | 2,170,310 | 1,250,904 | 1,093,445 | 2,344,348 | 1,352,718 | 1,205,048 | 2,557,766 |
| 2023 | 1,153,505 | 1,008,588 | 2,162,092 | 1,262,715 | 1,124,400 | 2,387,115 | 1,371,128 | 1,240,213 | 2,611,341 |
| 2024 | 1,167,806 | 1,035,497 | 2,203,303 | 1,283,523 | 1,155,356 | 2,438,878 | 1,388,622 | 1,247,166 | 2,635,788 |
| 2025 | 1,156,466 | 1,032,741 | 2,189,208 | 1,275,826 | 1,158,263 | 2,434,089 | 1,396,880 | 1,282,167 | 2,679,047 |
| 2026 | 1,160,717 | 1,061,430 | 2,222,147 | 1,277,961 | 1,159,553 | 2,437,514 | 1,404,786 | 1,287,341 | 2,692,127 |
| 2027 | 1,156,567 | 1,060,453 | 2,217,021 | 1,290,051 | 1,190,509 | 2,480,560 | 1,412,415 | 1,292,516 | 2,704,931 |
| 2028 | 1,170,676 | 1,087,525 | 2,258,202 | 1,297,890 | 1,193,416 | 2,491,306 | 1,436,005 | 1,327,517 | 2,763,522 |
| 2029 | 1,159,993 | 1,086,549 | 2,246,542 | 1,302,288 | 1,224,371 | 2,526,659 | 1,434,589 | 1,332,529 | 2,767,118 |
| 2030 | 1,166,395 | 1,115,237 | 2,281,632 | 1,305,165 | 1,225,662 | 2,530,827 | 1,450,942 | 1,367,368 | 2,818,309 |
| 2031 | 1,163,216 | 1,114,424 | 2,277,640 | 1,316,107 | 1,256,617 | 2,572,725 | 1,459,301 | 1,370,925 | 2,830,227 |
| 2032 | 1,178,156 | 1,143,112 | 2,321,268 | 1,326,272 | 1,259,524 | 2,585,796 | 1,483,417 | 1,405,602 | 2,889,019 |
| 2033 | 1,166,939 | 1,142,298 | 2,309,237 | 1,327,911 | 1,290,480 | 2,618,391 | 1,478,116 | 1,410,776 | 2,888,892 |
| 2034 | 1,173,931 | 1,171,149 | 2,345,080 | 1,329,813 | 1,291,933 | 2,621,746 | 1,494,645 | 1,443,836 | 2,938,481 |
| 2035 | 1,172,492 | 1,170,336 | 2,342,828 | 1,331,601 | 1,294,840 | 2,626,441 | 1,500,766 | 1,448,847 | 2,949,613 |
| 2036 | 1,178,405 | 1,169,522 | 2,347,927 | 1,352,485 | 1,325,796 | 2,678,281 | 1,518,526 | 1,452,242 | 2,970,768 |
| 2037 | 1,177,700 | 1,198,373 | 2,376,073 | 1,346,123 | 1,327,087 | 2,673,210 | 1,521,564 | 1,487,081 | 3,008,645 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.91% | -0.52% | -0.73% | 0.93% | 3.01% | 1.88% | 1.15% | 0.83% | 1.00% |
| 2020 | 0.82% | 2.58% | 1.62% | 0.89% | 0.12% | 0.54% | 2.28% | 3.30% | 2.75% |
| 2021 | -1.25% | -0.30% | -0.81% | 0.20% | 2.94% | 1.46% | 0.83% | 3.17% | 1.92% |
| 2022 | 0.19% | 2.72% | 1.35% | 0.01% | 0.27% | 0.13% | 0.65% | 0.59% | 0.62% |
| 2023 | -0.47% | -0.27% | -0.38% | 0.94% | 2.83% | 1.82% | 1.36% | 2.92% | 2.09% |
| 2024 | 1.24% | 2.67% | 1.91% | 1.65% | 2.75% | 2.17% | 1.28% | 0.56% | 0.94% |
| 2025 | -0.97% | -0.27% | -0.64% | -0.60% | 0.25% | -0.20% | 0.59% | 2.81% | 1.64% |
| 2026 | 0.37% | 2.78% | 1.50% | 0.17% | 0.11% | 0.14% | 0.57% | 0.40% | 0.49% |
| 2027 | -0.36% | -0.09% | -0.23% | 0.95% | 2.67% | 1.77% | 0.54% | 0.40% | 0.48% |
| 2028 | 1.22% | 2.55% | 1.86% | 0.61% | 0.24% | 0.43% | 1.67% | 2.71% | 2.17% |
| 2029 | -0.91% | -0.09% | -0.52% | 0.34% | 2.59% | 1.42% | -0.10% | 0.38% | 0.13% |
| 2030 | 0.55% | 2.64% | 1.56% | 0.22% | 0.11% | 0.16% | 1.14% | 2.61% | 1.85% |
| 2031 | -0.27% | -0.07% | -0.17% | 0.84% | 2.53% | 1.66% | 0.58% | 0.26% | 0.42% |
| 2032 | 1.28% | 2.57% | 1.92% | 0.77% | 0.23% | 0.51% | 1.65% | 2.53% | 2.08% |
| 2033 | -0.95% | -0.07% | -0.52% | 0.12% | 2.46% | 1.26% | -0.36% | 0.37% | 0.00% |
| 2034 | 0.60% | 2.53% | 1.55% | 0.14% | 0.11% | 0.13% | 1.12% | 2.34% | 1.72% |
| 2035 | -0.12% | -0.07% | -0.10% | 0.13% | 0.23% | 0.18% | 0.41% | 0.35% | 0.38% |
| 2036 | 0.50% | -0.07% | 0.22% | 1.57% | 2.39% | 1.97% | 1.18% | 0.23% | 0.72% |
| 2037 | -0.06% | 2.47% | 1.20% | -0.47% | 0.10% | -0.19% | 0.20% | 2.40% | 1.28% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 2,651 | 16,990 | 19,642 | 2,814 | 17,129 | 19,943 | 3,054 | 17,192 | 20,246 |
| 2019 | 2,638 | 17,319 | 19,957 | 2,899 | 17,364 | 20,263 | 3,080 | 17,492 | 20,571 |
| 2020 | 2,706 | 17,269 | 19,975 | 2,903 | 17,378 | 20,281 | 3,181 | 17,408 | 20,590 |
| 2021 | 2,698 | 17,562 | 20,259 | 2,988 | 17,582 | 20,570 | 3,282 | 17,601 | 20,883 |
| 2022 | 2,771 | 17,537 | 20,308 | 2,996 | 17,623 | 20,619 | 3,302 | 17,631 | 20,933 |
| 2023 | 2,763 | 17,835 | 20,599 | 3,081 | 17,834 | 20,914 | 3,398 | 17,835 | 21,233 |
| 2024 | 2,837 | 18,046 | 20,883 | 3,165 | 18,038 | 21,203 | 3,417 | 18,109 | 21,526 |
| 2025 | 2,829 | 18,071 | 20,901 | 3,173 | 18,048 | 21,221 | 3,513 | 18,031 | 21,544 |
| 2026 | 2,908 | 18,041 | 20,949 | 3,177 | 18,094 | 21,270 | 3,527 | 18,067 | 21,594 |
| 2027 | 2,905 | 18,328 | 21,234 | 3,262 | 18,298 | 21,559 | 3,541 | 18,346 | 21,888 |
| 2028 | 2,980 | 18,272 | 21,252 | 3,270 | 18,308 | 21,577 | 3,637 | 18,269 | 21,906 |
| 2029 | 2,977 | 18,590 | 21,567 | 3,354 | 18,543 | 21,897 | 3,651 | 18,580 | 22,231 |
| 2030 | 3,055 | 18,529 | 21,584 | 3,358 | 18,557 | 21,915 | 3,746 | 18,503 | 22,249 |
| 2031 | 3,053 | 18,816 | 21,869 | 3,443 | 18,761 | 22,204 | 3,756 | 18,786 | 22,542 |
| 2032 | 3,132 | 18,786 | 21,917 | 3,451 | 18,803 | 22,253 | 3,851 | 18,741 | 22,592 |
| 2033 | 3,130 | 19,072 | 22,202 | 3,536 | 19,007 | 22,542 | 3,865 | 19,020 | 22,885 |
| 2034 | 3,209 | 19,011 | 22,220 | 3,540 | 19,021 | 22,560 | 3,956 | 18,948 | 22,904 |
| 2035 | 3,206 | 19,031 | 22,237 | 3,548 | 19,031 | 22,578 | 3,969 | 18,953 | 22,922 |
| 2036 | 3,204 | 19,355 | 22,559 | 3,632 | 19,273 | 22,905 | 3,979 | 19,275 | 23,254 |
| 2037 | 3,283 | 19,294 | 22,577 | 3,636 | 19,287 | 22,923 | 4,074 | 19,198 | 23,272 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -0.52% | 1.94% | 1.61% | 3.01% | 1.37% | 1.61% | 0.83% | 1.74% | 1.61% |
| 2020 | 2.58% | -0.29% | 0.09% | 0.12% | 0.08% | 0.09% | 3.30% | -0.48% | 0.09% |
| 2021 | -0.30% | 1.69% | 1.42% | 2.94% | 1.17% | 1.42% | 3.17% | 1.11% | 1.42% |
| 2022 | 2.72% | -0.14% | 0.24% | 0.27% | 0.23% | 0.24% | 0.59% | 0.17% | 0.24% |
| 2023 | -0.27% | 1.70% | 1.43% | 2.83% | 1.20% | 1.43% | 2.92% | 1.15% | 1.43% |
| 2024 | 2.67% | 1.18% | 1.38% | 2.75% | 1.14% | 1.38% | 0.56% | 1.54% | 1.38% |
| 2025 | -0.27% | 0.14% | 0.08% | 0.25% | 0.06% | 0.08% | 2.81% | -0.43% | 0.08% |
| 2026 | 2.78% | -0.17% | 0.23% | 0.11% | 0.25% | 0.23% | 0.40% | 0.20% | 0.23% |
| 2027 | -0.09% | 1.59% | 1.36% | 2.67% | 1.13% | 1.36% | 0.40% | 1.54% | 1.36% |
| 2028 | 2.55% | -0.31% | 0.08% | 0.24% | 0.05% | 0.08% | 2.71% | -0.42% | 0.08% |
| 2029 | -0.09% | 1.74% | 1.48% | 2.59% | 1.29% | 1.48% | 0.38% | 1.70% | 1.48% |
| 2030 | 2.64% | -0.33% | 0.08% | 0.11% | 0.08% | 0.08% | 2.61% | -0.42% | 0.08% |
| 2031 | -0.07% | 1.55% | 1.32% | 2.53% | 1.10% | 1.32% | 0.26% | 1.53% | 1.32% |
| 2032 | 2.57% | -0.16% | 0.22% | 0.23% | 0.22% | 0.22% | 2.53% | -0.24% | 0.22% |
| 2033 | -0.07% | 1.53% | 1.30% | 2.46% | 1.09% | 1.30% | 0.37% | 1.49% | 1.30% |
| 2034 | 2.53% | -0.32% | 0.08% | 0.11% | 0.07% | 0.08% | 2.34% | -0.38% | 0.08% |
| 2035 | -0.07% | 0.10% | 0.08% | 0.23% | 0.05% | 0.08% | 0.35% | 0.02% | 0.08% |
| 2036 | -0.07% | 1.70% | 1.45% | 2.39% | 1.27% | 1.45% | 0.23% | 1.70% | 1.45% |
| 2037 | 2.47% | -0.32% | 0.08% | 0.10% | 0.07% | 0.08% | 2.40% | -0.40% | 0.08% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 630,129 | 1,510,146 | 2,140,275 | 649,908 | 1,602,987 | 2,252,895 | 669,671 | 1,733,577 | 2,403,247 |
| 2019 | 623,195 | 1,501,364 | 2,124,559 | 648,818 | 1,646,486 | 2,295,303 | 674,452 | 1,752,796 | 2,427,248 |
| 2020 | 619,997 | 1,538,912 | 2,158,909 | 650,473 | 1,657,180 | 2,307,653 | 680,856 | 1,813,177 | 2,494,032 |
| 2021 | 612,184 | 1,529,132 | 2,141,317 | 646,420 | 1,694,884 | 2,341,304 | 680,716 | 1,861,226 | 2,541,942 |
| 2022 | 607,161 | 1,563,149 | 2,170,310 | 645,036 | 1,699,313 | 2,344,348 | 683,160 | 1,874,606 | 2,557,766 |
| 2023 | 602,687 | 1,559,406 | 2,162,092 | 644,021 | 1,743,094 | 2,387,115 | 685,199 | 1,926,142 | 2,611,341 |
| 2024 | 601,279 | 1,602,024 | 2,203,303 | 645,937 | 1,792,941 | 2,438,878 | 690,308 | 1,945,480 | 2,635,788 |
| 2025 | 594,572 | 1,594,636 | 2,189,208 | 641,923 | 1,792,166 | 2,434,089 | 689,073 | 1,989,973 | 2,679,047 |
| 2026 | 590,791 | 1,631,356 | 2,222,147 | 640,717 | 1,796,798 | 2,437,514 | 690,413 | 2,001,714 | 2,692,127 |
| 2027 | 587,109 | 1,629,912 | 2,217,021 | 639,511 | 1,841,049 | 2,480,560 | 691,983 | 2,012,948 | 2,704,931 |
| 2028 | 585,751 | 1,672,451 | 2,258,202 | 640,771 | 1,850,535 | 2,491,306 | 695,888 | 2,067,635 | 2,763,522 |
| 2029 | 580,063 | 1,666,479 | 2,246,542 | 637,156 | 1,889,503 | 2,526,659 | 694,358 | 2,072,760 | 2,767,118 |
| 2030 | 576,597 | 1,705,036 | 2,281,632 | 635,950 | 1,894,877 | 2,530,827 | 695,447 | 2,122,862 | 2,818,309 |
| 2031 | 573,366 | 1,704,274 | 2,277,640 | 634,831 | 1,937,893 | 2,572,725 | 696,529 | 2,133,698 | 2,830,227 |
| 2032 | 572,485 | 1,748,782 | 2,321,268 | 636,541 | 1,949,255 | 2,585,796 | 700,343 | 2,188,675 | 2,889,019 |
| 2033 | 566,747 | 1,742,490 | 2,309,237 | 632,360 | 1,986,030 | 2,618,391 | 698,049 | 2,190,843 | 2,888,892 |
| 2034 | 563,733 | 1,781,348 | 2,345,080 | 631,168 | 1,990,578 | 2,621,746 | 698,873 | 2,239,607 | 2,938,481 |
| 2035 | 560,809 | 1,782,019 | 2,342,828 | 630,135 | 1,996,306 | 2,626,441 | 699,668 | 2,249,945 | 2,949,613 |
| 2036 | 560,156 | 1,787,771 | 2,347,927 | 631,899 | 2,046,381 | 2,678,281 | 703,405 | 2,267,363 | 2,970,768 |
| 2037 | 554,778 | 1,821,295 | 2,376,073 | 628,021 | 2,045,189 | 2,673,210 | 701,103 | 2,307,542 | 3,008,645 |

Annual Change

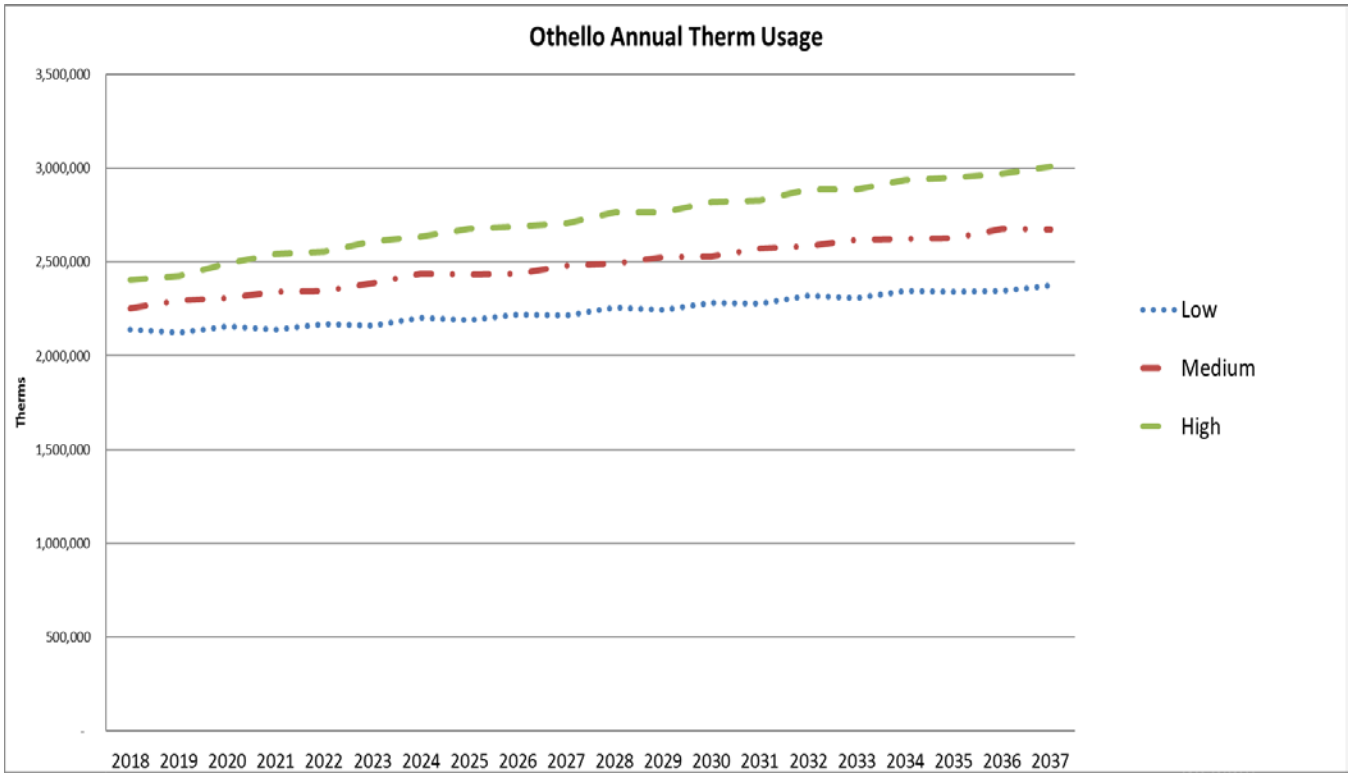
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -1.10% | -0.58% | -0.73% | -0.17% | 2.71% | 1.88% | 0.71% | 1.11% | 1.00% |
| 2020 | -0.51% | 2.50% | 1.62% | 0.26% | 0.65% | 0.54% | 0.95% | 3.44% | 2.75% |
| 2021 | -1.26% | -0.64% | -0.81% | -0.62% | 2.28% | 1.46% | -0.02% | 2.65% | 1.92% |
| 2022 | -0.82% | 2.22% | 1.35% | -0.21% | 0.26% | 0.13% | 0.36% | 0.72% | 0.62% |
| 2023 | -0.74% | -0.24% | -0.38% | -0.16% | 2.58% | 1.82% | 0.30% | 2.75% | 2.09% |
| 2024 | -0.23% | 2.73% | 1.91% | 0.30% | 2.86% | 2.17% | 0.75% | 1.00% | 0.94% |
| 2025 | -1.12% | -0.46% | -0.64% | -0.62% | -0.04% | -0.20% | -0.18% | 2.29% | 1.64% |
| 2026 | -0.64% | 2.30% | 1.50% | -0.19% | 0.26% | 0.14% | 0.19% | 0.59% | 0.49% |
| 2027 | -0.62% | -0.09% | -0.23% | -0.19% | 2.46% | 1.77% | 0.23% | 0.56% | 0.48% |
| 2028 | -0.23% | 2.61% | 1.86% | 0.20% | 0.52% | 0.43% | 0.56% | 2.72% | 2.17% |
| 2029 | -0.97% | -0.36% | -0.52% | -0.56% | 2.11% | 1.42% | -0.22% | 0.25% | 0.13% |
| 2030 | -0.60% | 2.31% | 1.56% | -0.19% | 0.28% | 0.16% | 0.16% | 2.42% | 1.85% |
| 2031 | -0.56% | -0.04% | -0.17% | -0.18% | 2.27% | 1.66% | 0.16% | 0.51% | 0.42% |
| 2032 | -0.15% | 2.61% | 1.92% | 0.27% | 0.59% | 0.51% | 0.55% | 2.58% | 2.08% |
| 2033 | -1.00% | -0.36% | -0.52% | -0.66% | 1.89% | 1.26% | -0.33% | 0.10% | 0.00% |
| 2034 | -0.53% | 2.23% | 1.55% | -0.19% | 0.23% | 0.13% | 0.12% | 2.23% | 1.72% |
| 2035 | -0.52% | 0.04% | -0.10% | -0.16% | 0.29% | 0.18% | 0.11% | 0.46% | 0.38% |
| 2036 | -0.12% | 0.32% | 0.22% | 0.28% | 2.51% | 1.97% | 0.53% | 0.77% | 0.72% |
| 2037 | -0.96% | 1.88% | 1.20% | -0.61% | -0.06% | -0.19% | -0.33% | 1.77% | 1.28% |

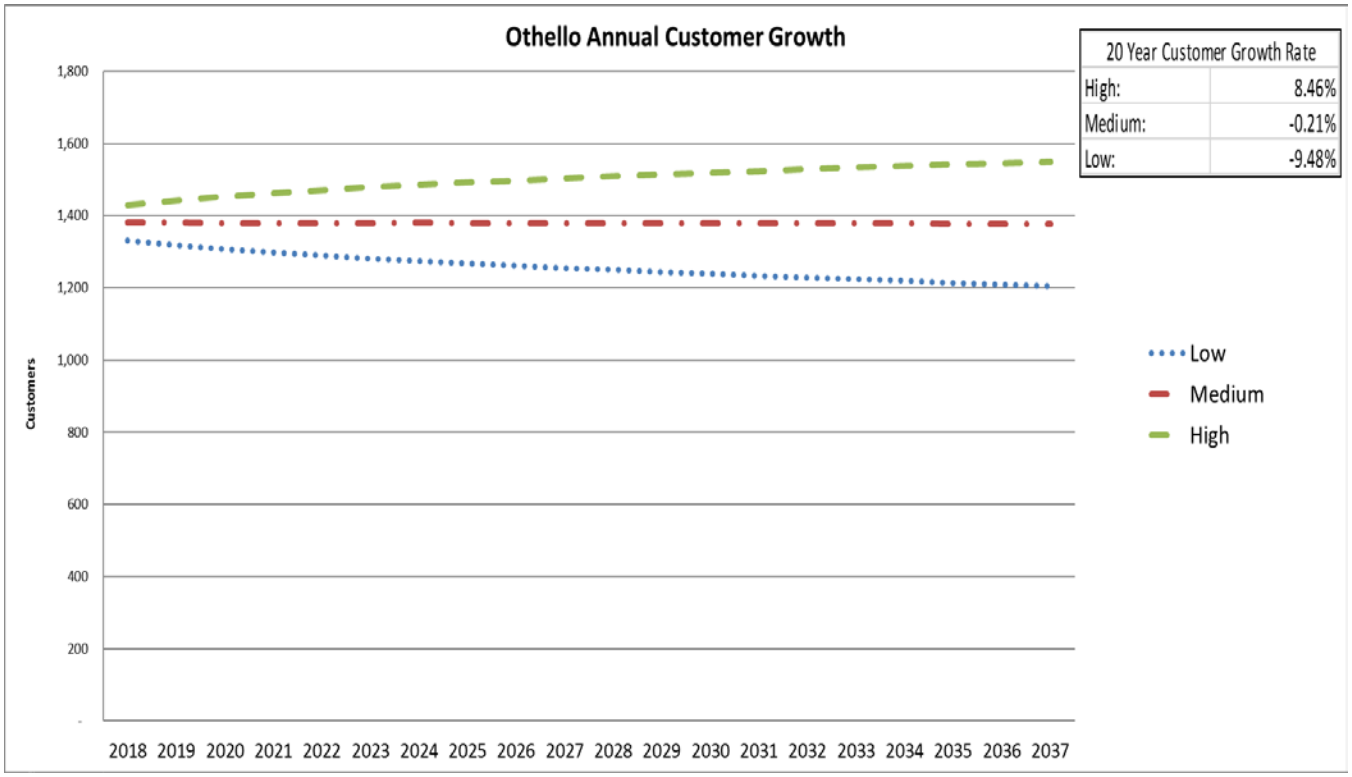
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,040 | 292 | 1,332 | 1,073 | 307 | 1,380 | 1,106 | 323 | 1,429 |
| 2019 | 1,028 | 289 | 1,318 | 1,071 | 309 | 1,380 | 1,114 | 328 | 1,442 |
| 2020 | 1,019 | 289 | 1,307 | 1,069 | 311 | 1,380 | 1,119 | 333 | 1,453 |
| 2021 | 1,010 | 287 | 1,297 | 1,067 | 313 | 1,380 | 1,124 | 338 | 1,462 |
| 2022 | 1,002 | 287 | 1,289 | 1,065 | 314 | 1,379 | 1,128 | 342 | 1,470 |
| 2023 | 995 | 286 | 1,281 | 1,063 | 316 | 1,380 | 1,132 | 347 | 1,478 |
| 2024 | 988 | 287 | 1,274 | 1,061 | 319 | 1,380 | 1,135 | 350 | 1,485 |
| 2025 | 981 | 286 | 1,267 | 1,060 | 320 | 1,380 | 1,138 | 354 | 1,492 |
| 2026 | 975 | 286 | 1,261 | 1,058 | 321 | 1,379 | 1,140 | 357 | 1,497 |
| 2027 | 969 | 286 | 1,255 | 1,056 | 324 | 1,379 | 1,143 | 360 | 1,503 |
| 2028 | 963 | 287 | 1,250 | 1,054 | 325 | 1,379 | 1,145 | 364 | 1,509 |
| 2029 | 957 | 286 | 1,243 | 1,052 | 327 | 1,379 | 1,147 | 367 | 1,513 |
| 2030 | 951 | 287 | 1,239 | 1,050 | 329 | 1,378 | 1,148 | 371 | 1,519 |
| 2031 | 946 | 287 | 1,233 | 1,048 | 331 | 1,379 | 1,150 | 374 | 1,524 |
| 2032 | 940 | 288 | 1,228 | 1,046 | 332 | 1,378 | 1,152 | 377 | 1,529 |
| 2033 | 935 | 288 | 1,223 | 1,044 | 334 | 1,379 | 1,153 | 380 | 1,533 |
| 2034 | 930 | 289 | 1,219 | 1,042 | 336 | 1,378 | 1,154 | 383 | 1,538 |
| 2035 | 925 | 289 | 1,214 | 1,040 | 337 | 1,377 | 1,155 | 386 | 1,541 |
| 2036 | 920 | 289 | 1,209 | 1,038 | 339 | 1,378 | 1,157 | 389 | 1,545 |
| 2037 | 915 | 290 | 1,205 | 1,036 | 341 | 1,377 | 1,158 | 392 | 1,550 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | -1.10% | -0.80% | -1.03% | -0.17% | 0.73% | 0.03% | 0.69% | 1.57% | 0.89% |
| 2020 | -0.96% | -0.26% | -0.80% | -0.19% | 0.43% | -0.05% | 0.52% | 1.60% | 0.77% |
| 2021 | -0.83% | -0.46% | -0.75% | -0.18% | 0.67% | 0.01% | 0.42% | 1.50% | 0.67% |
| 2022 | -0.78% | -0.03% | -0.62% | -0.19% | 0.45% | -0.04% | 0.38% | 1.11% | 0.55% |
| 2023 | -0.74% | -0.35% | -0.65% | -0.17% | 0.74% | 0.04% | 0.31% | 1.29% | 0.54% |
| 2024 | -0.70% | 0.15% | -0.51% | -0.18% | 0.68% | 0.02% | 0.27% | 0.96% | 0.43% |
| 2025 | -0.68% | -0.20% | -0.58% | -0.17% | 0.44% | -0.03% | 0.26% | 1.19% | 0.48% |
| 2026 | -0.64% | 0.15% | -0.46% | -0.19% | 0.39% | -0.05% | 0.21% | 0.87% | 0.36% |
| 2027 | -0.62% | -0.12% | -0.51% | -0.19% | 0.73% | 0.02% | 0.21% | 0.84% | 0.36% |
| 2028 | -0.62% | 0.26% | -0.42% | -0.19% | 0.44% | -0.04% | 0.19% | 1.09% | 0.40% |
| 2029 | -0.60% | -0.15% | -0.49% | -0.17% | 0.69% | 0.03% | 0.16% | 0.76% | 0.30% |
| 2030 | -0.60% | 0.32% | -0.39% | -0.19% | 0.41% | -0.05% | 0.16% | 1.09% | 0.39% |
| 2031 | -0.56% | -0.06% | -0.44% | -0.17% | 0.63% | 0.02% | 0.15% | 0.76% | 0.30% |
| 2032 | -0.60% | 0.35% | -0.38% | -0.17% | 0.43% | -0.03% | 0.12% | 0.94% | 0.32% |
| 2033 | -0.55% | 0.00% | -0.42% | -0.19% | 0.70% | 0.02% | 0.13% | 0.71% | 0.27% |
| 2034 | -0.53% | 0.35% | -0.33% | -0.18% | 0.35% | -0.05% | 0.12% | 0.97% | 0.33% |
| 2035 | -0.55% | 0.00% | -0.42% | -0.19% | 0.42% | -0.04% | 0.09% | 0.65% | 0.23% |
| 2036 | -0.55% | 0.00% | -0.42% | -0.18% | 0.67% | 0.03% | 0.10% | 0.69% | 0.25% |
| 2037 | -0.53% | 0.37% | -0.32% | -0.18% | 0.39% | -0.04% | 0.11% | 0.86% | 0.30% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 8.46% |
| Medium: | -0.21% |
| Low: | -9.48% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

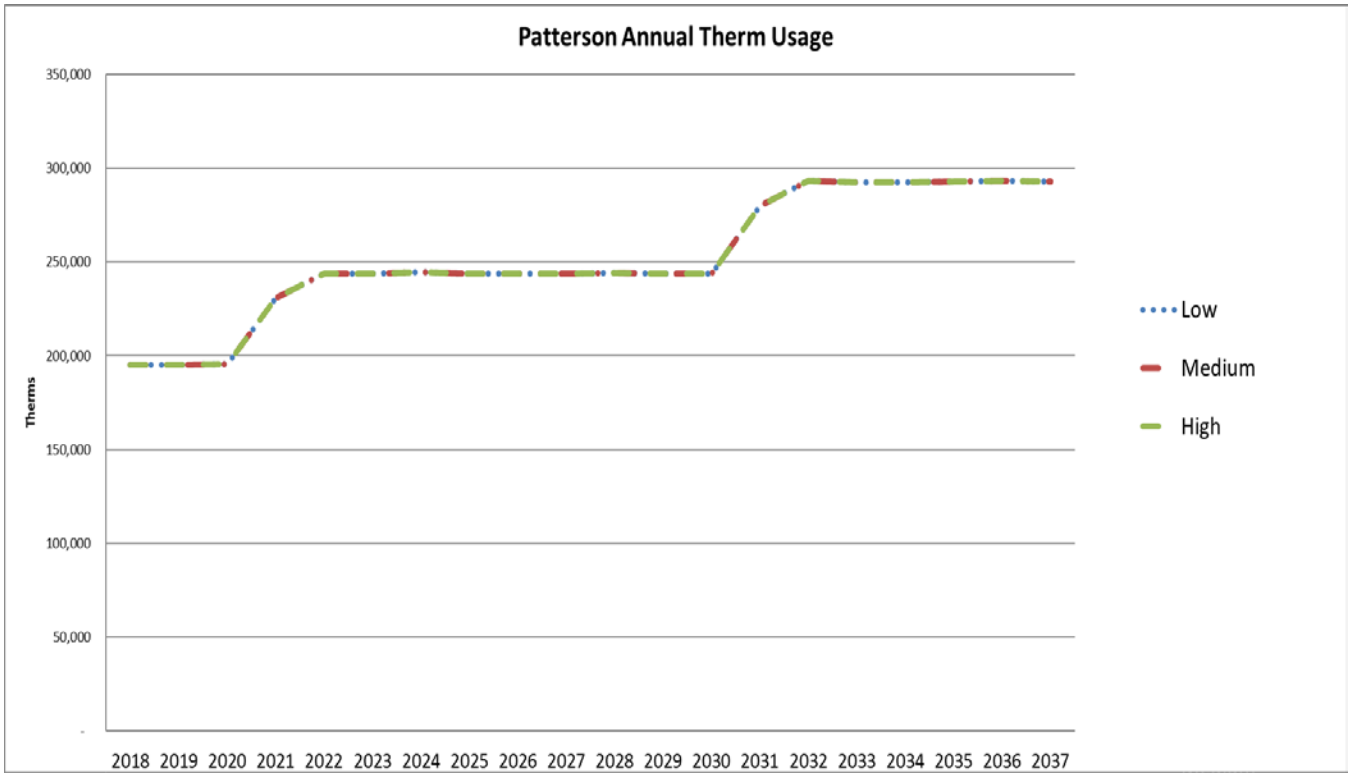
## Patterson

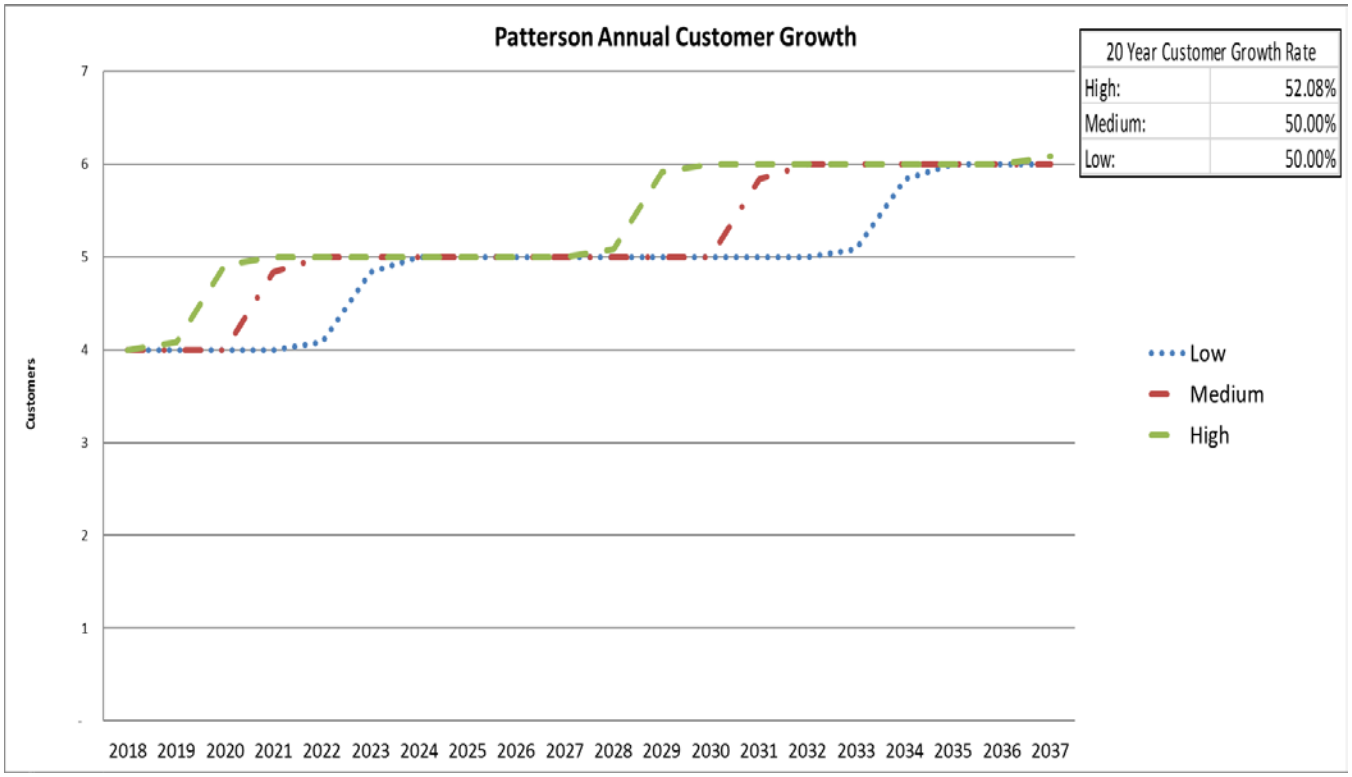
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 56,144 | 139,031 | 195,175 | 56,144 | 139,031 | 195,175 | 56,144 | 139,031 | 195,175 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 56,144 | 139,031 | 195,175 | 56,144 | 139,031 | 195,175 | 56,144 | 139,031 | 195,175 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 56,662 | 139,031 | 195,692 | 56,662 | 139,031 | 195,692 | 21,904 | 173,788 | 195,692 | 0.92% | 0.00% | 0.27% | 0.92% | 0.00% | 0.27% | -60.99% | 25.00% | 0.27% |
| 2021 | 91,867 | 139,031 | 230,898 | 57,109 | 173,788 | 230,898 | 57,109 | 173,788 | 230,898 | 62.13% | 0.00% | 17.99% | 0.79% | 25.00% | 17.99% | 160.73% | 0.00% | 17.99% |
| 2022 | 104,735 | 139,031 | 243,765 | 69,977 | 173,788 | 243,765 | 69,977 | 173,788 | 243,765 | 14.01% | 0.00% | 5.57% | 22.53% | 0.00% | 5.57% | 22.53% | 0.00% | 5.57% |
| 2023 | 69,977 | 173,788 | 243,765 | 69,977 | 173,788 | 243,765 | 69,977 | 173,788 | 243,765 | -33.19% | 25.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 70,827 | 173,788 | 244,615 | 70,827 | 173,788 | 244,615 | 70,827 | 173,788 | 244,615 | 1.21% | 0.00% | 0.35% | 1.21% | 0.00% | 0.35% | 1.21% | 0.00% | 0.35% |
| 2025 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | -0.91% | 0.00% | -0.26% | -0.91% | 0.00% | -0.26% | -0.91% | 0.00% | -0.26% |
| 2026 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 70,420 | 173,788 | 244,208 | 70,420 | 173,788 | 244,208 | 70,420 | 173,788 | 244,208 | 0.34% | 0.00% | 0.10% | 0.34% | 0.00% | 0.10% | 0.34% | 0.00% | 0.10% |
| 2029 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 35,423 | 208,546 | 243,969 | -0.34% | 0.00% | -0.10% | -0.34% | 0.00% | -0.10% | -49.70% | 20.00% | -0.10% |
| 2030 | 70,180 | 173,788 | 243,969 | 70,180 | 173,788 | 243,969 | 35,423 | 208,546 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 105,984 | 173,788 | 279,773 | 71,227 | 208,546 | 279,773 | 71,227 | 208,546 | 279,773 | 51.02% | 0.00% | 14.68% | 1.49% | 20.00% | 14.68% | 101.08% | 0.00% | 14.68% |
| 2032 | 119,750 | 173,788 | 293,538 | 84,992 | 208,546 | 293,538 | 84,992 | 208,546 | 293,538 | 12.99% | 0.00% | 4.92% | 19.33% | 0.00% | 4.92% | 19.33% | 0.00% | 4.92% |
| 2033 | 118,730 | 173,788 | 292,518 | 83,972 | 208,546 | 292,518 | 83,972 | 208,546 | 292,518 | -0.85% | 0.00% | -0.35% | -1.20% | 0.00% | -0.35% | -1.20% | 0.00% | -0.35% |
| 2034 | 83,972 | 208,546 | 292,518 | 83,972 | 208,546 | 292,518 | 83,972 | 208,546 | 292,518 | -29.27% | 20.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 84,216 | 208,546 | 292,763 | 84,216 | 208,546 | 292,763 | 84,216 | 208,546 | 292,763 | 0.29% | 0.00% | 0.08% | 0.29% | 0.00% | 0.08% | 0.29% | 0.00% | 0.08% |
| 2036 | 84,992 | 208,546 | 293,538 | 84,992 | 208,546 | 293,538 | 84,992 | 208,546 | 293,538 | 0.92% | 0.00% | 0.27% | 0.92% | 0.00% | 0.27% | 0.92% | 0.00% | 0.27% |
| 2037 | 84,216 | 208,546 | 292,763 | 84,216 | 208,546 | 292,763 | 84,216 | 208,546 | 292,763 | -0.91% | 0.00% | -0.26% | -0.91% | 0.00% | -0.26% | -0.91% | 0.00% | -0.26% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 381 | 493 | 873 | 381 | 506 | 887 | 381 | 519 | 900 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 381 | 493 | 873 | 381 | 506 | 887 | 381 | 519 | 900 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 381 | 493 | 873 | 381 | 506 | 887 | 476 | 424 | 900 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 25.00% | -18.33% | 0.00% |
| 2021 | 381 | 493 | 873 | 476 | 411 | 887 | 476 | 424 | 900 | 0.00% | 0.00% | 0.00% | 25.00% | -18.82% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 381 | 711 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 44.34% | 25.00% | 0.00% | 53.99% | 25.00% | 0.00% | 53.06% | 25.00% |
| 2023 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 25.00% | -13.40% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 476 | 649 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 571 | 554 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 20.00% | -14.67% | 0.00% |
| 2030 | 476 | 616 | 1,092 | 476 | 632 | 1,108 | 571 | 554 | 1,125 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | 476 | 616 | 1,092 | 571 | 537 | 1,108 | 571 | 554 | 1,125 | 0.00% | 0.00% | 0.00% | 20.00% | -15.06% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | 476 | 834 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 0.00% | 35.47% | 20.00% | 0.00% | 41.27% | 20.00% | 0.00% | 40.63% | 20.00% |
| 2033 | 476 | 834 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 571 | 739 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 20.00% | -11.42% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 571 | 739 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 571 | 739 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | 571 | 739 | 1,310 | 571 | 759 | 1,330 | 571 | 779 | 1,350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | - | 195,175 | 195,175 | - | 195,175 | 195,175 | - | 195,175 | 195,175 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 195,175 | 195,175 | - | 195,175 | 195,175 | - | 195,175 | 195,175 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | 195,692 | 195,692 | - | 195,692 | 195,692 | - | 195,692 | 195,692 | 0.00% | 0.27% | 0.27% | 0.00% | 0.27% | 0.27% | 0.00% | 0.27% | 0.27% |
| 2021 | - | 230,898 | 230,898 | - | 230,898 | 230,898 | - | 230,898 | 230,898 | 0.00% | 17.99% | 17.99% | 0.00% | 17.99% | 17.99% | 0.00% | 17.99% | 17.99% |
| 2022 | - | 243,765 | 243,765 | - | 243,765 | 243,765 | - | 243,765 | 243,765 | 0.00% | 5.57% | 5.57% | 0.00% | 5.57% | 5.57% | 0.00% | 5.57% | 5.57% |
| 2023 | - | 243,765 | 243,765 | - | 243,765 | 243,765 | - | 243,765 | 243,765 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 244,615 | 244,615 | - | 244,615 | 244,615 | - | 244,615 | 244,615 | 0.00% | 0.35% | 0.35% | 0.00% | 0.35% | 0.35% | 0.00% | 0.35% | 0.35% |
| 2025 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | 0.00% | -0.26% | -0.26% | 0.00% | -0.26% | -0.26% | 0.00% | -0.26% | -0.26% |
| 2026 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | 244,208 | 244,208 | - | 244,208 | 244,208 | - | 244,208 | 244,208 | 0.00% | 0.10% | 0.10% | 0.00% | 0.10% | 0.10% | 0.00% | 0.10% | 0.10% |
| 2029 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | 0.00% | -0.10% | -0.10% | 0.00% | -0.10% | -0.10% | 0.00% | -0.10% | -0.10% |
| 2030 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | - | 243,969 | 243,969 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 279,773 | 279,773 | - | 279,773 | 279,773 | - | 279,773 | 279,773 | 0.00% | 14.68% | 14.68% | 0.00% | 14.68% | 14.68% | 0.00% | 14.68% | 14.68% |
| 2032 | - | 293,538 | 293,538 | - | 293,538 | 293,538 | - | 293,538 | 293,538 | 0.00% | 4.92% | 4.92% | 0.00% | 4.92% | 4.92% | 0.00% | 4.92% | 4.92% |
| 2033 | - | 292,518 | 292,518 | - | 292,518 | 292,518 | - | 292,518 | 292,518 | 0.00% | -0.35% | -0.35% | 0.00% | -0.35% | -0.35% | 0.00% | -0.35% | -0.35% |
| 2034 | - | 292,518 | 292,518 | - | 292,518 | 292,518 | - | 292,518 | 292,518 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 292,763 | 292,763 | - | 292,763 | 292,763 | - | 292,763 | 292,763 | 0.00% | 0.08% | 0.08% | 0.00% | 0.08% | 0.08% | 0.00% | 0.08% | 0.08% |
| 2036 | - | 293,538 | 293,538 | - | 293,538 | 293,538 | - | 293,538 | 293,538 | 0.00% | 0.27% | 0.27% | 0.00% | 0.27% | 0.27% | 0.00% | 0.27% | 0.27% |
| 2037 | - | 292,763 | 292,763 | - | 292,763 | 292,763 | - | 292,763 | 292,763 | 0.00% | -0.26% | -0.26% | 0.00% | -0.26% | -0.26% | 0.00% | -0.26% | -0.26% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | - | 4 | 4 | - | 4 | 4 | - | 4 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 4 | 4 | - | 4 | 4 | - | 4 | 4 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 2.08% | 2.08% |
| 2020 | - | 4 | 4 | - | 4 | 4 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 20.41% | 20.41% |
| 2021 | - | 4 | 4 | - | 5 | 5 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 20.83% | 20.83% | 0.00% | 1.69% | 1.69% |
| 2022 | - | 4 | 4 | - | 5 | 5 | - | 5 | 5 | 0.00% | 2.08% | 2.08% | 0.00% | 3.45% | 3.45% | 0.00% | 0.00% | 0.00% |
| 2023 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 18.37% | 18.37% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 3.45% | 3.45% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | 5 | 5 | - | 5 | 5 | - | 5 | 5 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.67% | 1.67% |
| 2029 | - | 5 | 5 | - | 5 | 5 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 16.39% | 16.39% |
| 2030 | - | 5 | 5 | - | 5 | 5 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.41% | 1.41% |
| 2031 | - | 5 | 5 | - | 6 | 6 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 16.67% | 16.67% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 5 | 5 | - | 6 | 6 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 2.86% | 2.86% | 0.00% | 0.00% | 0.00% |
| 2033 | - | 5 | 5 | - | 6 | 6 | - | 6 | 6 | 0.00% | 1.67% | 1.67% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | 6 | 6 | - | 6 | 6 | - | 6 | 6 | 0.00% | 14.75% | 14.75% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 6 | 6 | - | 6 | 6 | - | 6 | 6 | 0.00% | 2.86% | 2.86% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | 6 | 6 | - | 6 | 6 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | 6 | 6 | - | 6 | 6 | - | 6 | 6 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 1.39% | 1.39% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 52.08% |
| Medium: | 50.00% |
| Low: | 50.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

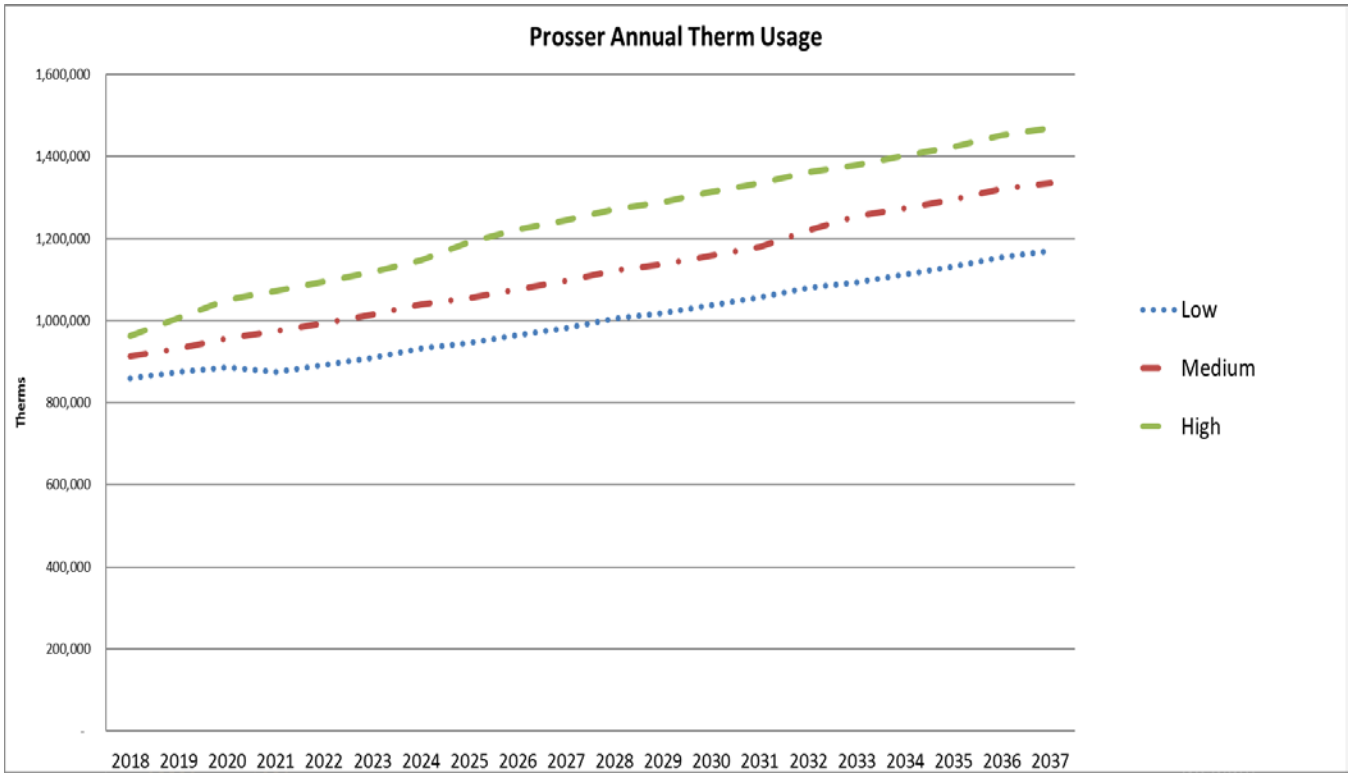
## Prosser

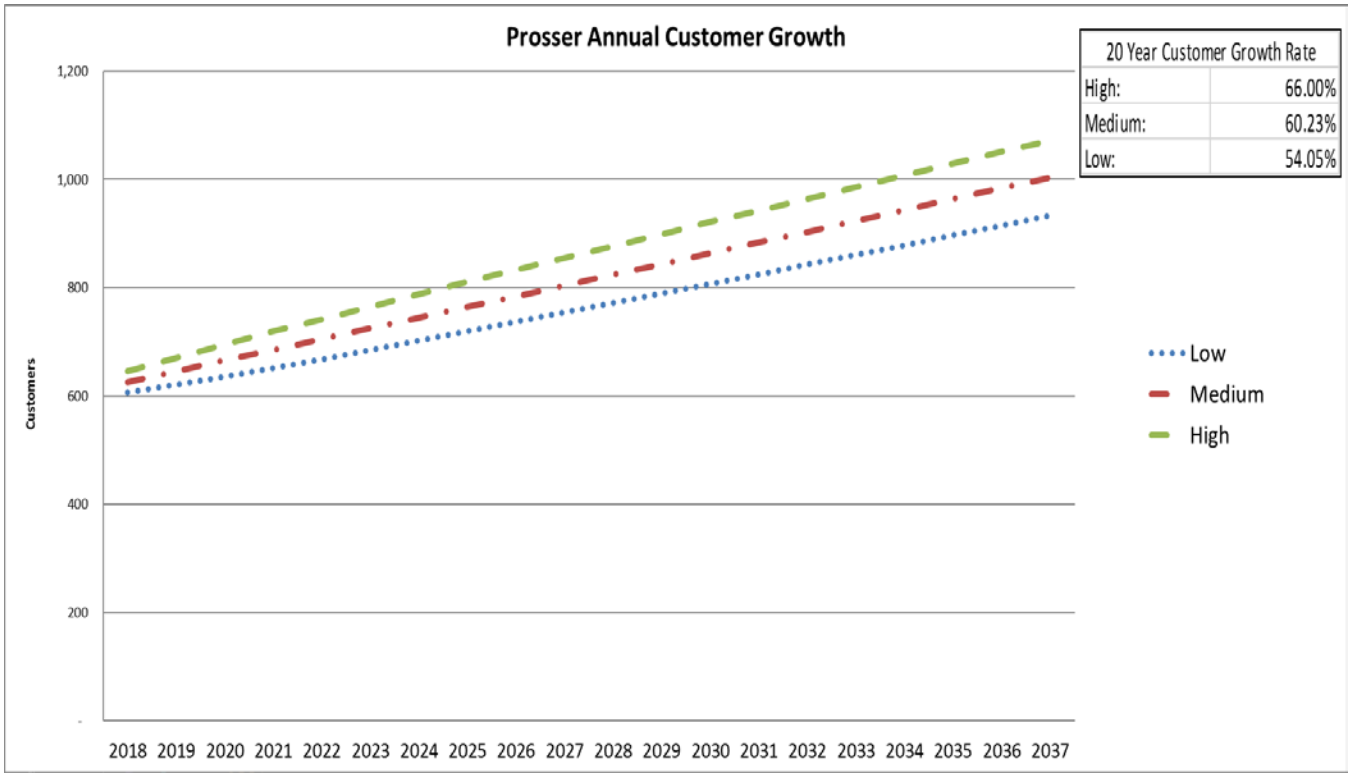
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 609,551 | 249,693 | 859,245 | 646,969 | 265,761 | 912,730 | 681,955 | 281,934 | 963,890 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 622,571 | 253,211 | 875,782 | 661,423 | 270,931 | 932,354 | 707,327 | 299,549 | 1,006,876 | 2.14% | 1.41% | 1.92% | 2.23% | 1.95% | 2.15% | 3.72% | 6.25% | 4.46% |
| 2020 | 627,993 | 257,957 | 885,950 | 680,077 | 277,119 | 957,196 | 746,109 | 306,160 | 1,052,269 | 0.87% | 1.87% | 1.16% | 2.82% | 2.28% | 2.66% | 5.48% | 2.21% | 4.51% |
| 2021 | 623,780 | 251,701 | 875,480 | 691,685 | 282,183 | 973,868 | 759,580 | 312,666 | 1,072,246 | -0.67% | -2.43% | -1.18% | 1.71% | 1.83% | 1.74% | 1.81% | 2.12% | 1.90% |
| 2022 | 635,540 | 256,553 | 892,094 | 705,143 | 288,371 | 993,514 | 777,073 | 319,171 | 1,096,244 | 1.89% | 1.93% | 1.90% | 1.95% | 2.19% | 2.02% | 2.30% | 2.08% | 2.24% |
| 2023 | 648,513 | 261,406 | 909,919 | 721,670 | 293,541 | 1,015,212 | 793,297 | 325,676 | 1,118,974 | 2.04% | 1.89% | 2.00% | 2.34% | 1.79% | 2.18% | 2.09% | 2.04% | 2.07% |
| 2024 | 665,755 | 266,259 | 932,014 | 740,139 | 299,729 | 1,039,868 | 815,418 | 332,076 | 1,147,494 | 2.66% | 1.86% | 2.43% | 2.56% | 2.11% | 2.43% | 2.79% | 1.97% | 2.55% |
| 2025 | 674,996 | 271,111 | 946,107 | 750,475 | 304,793 | 1,055,268 | 841,365 | 349,585 | 1,190,950 | 1.39% | 1.82% | 1.51% | 1.40% | 1.69% | 1.48% | 3.18% | 5.27% | 3.79% |
| 2026 | 688,358 | 275,964 | 964,322 | 766,955 | 309,858 | 1,076,812 | 865,996 | 355,984 | 1,221,981 | 1.98% | 1.79% | 1.93% | 2.20% | 1.66% | 2.04% | 2.93% | 1.83% | 2.61% |
| 2027 | 702,200 | 280,817 | 983,016 | 780,666 | 316,152 | 1,096,817 | 884,026 | 361,260 | 1,245,286 | 2.01% | 1.76% | 1.94% | 1.79% | 2.03% | 1.86% | 2.08% | 1.48% | 1.91% |
| 2028 | 719,152 | 285,775 | 1,004,927 | 801,528 | 321,216 | 1,122,744 | 904,524 | 367,660 | 1,272,184 | 2.41% | 1.77% | 2.23% | 2.67% | 1.60% | 2.36% | 2.32% | 1.77% | 2.16% |
| 2029 | 728,766 | 290,628 | 1,019,394 | 810,748 | 327,404 | 1,138,152 | 916,038 | 374,059 | 1,290,098 | 1.34% | 1.70% | 1.44% | 1.15% | 1.93% | 1.37% | 1.27% | 1.74% | 1.41% |
| 2030 | 742,023 | 295,586 | 1,037,609 | 825,484 | 332,468 | 1,157,952 | 933,029 | 380,459 | 1,313,488 | 1.82% | 1.71% | 1.79% | 1.82% | 1.55% | 1.74% | 1.85% | 1.71% | 1.81% |
| 2031 | 754,972 | 301,562 | 1,056,534 | 840,824 | 338,762 | 1,179,586 | 949,780 | 385,735 | 1,335,514 | 1.74% | 2.02% | 1.82% | 1.86% | 1.89% | 1.87% | 1.80% | 1.39% | 1.68% |
| 2032 | 773,329 | 306,521 | 1,079,849 | 866,193 | 354,829 | 1,221,023 | 970,753 | 392,135 | 1,362,888 | 2.43% | 1.64% | 2.21% | 3.02% | 4.74% | 3.51% | 2.21% | 1.66% | 2.05% |
| 2033 | 782,168 | 311,479 | 1,093,647 | 894,061 | 359,894 | 1,253,954 | 981,423 | 398,534 | 1,379,958 | 1.14% | 1.62% | 1.28% | 3.22% | 1.43% | 2.70% | 1.10% | 1.63% | 1.25% |
| 2034 | 795,543 | 316,438 | 1,111,980 | 907,970 | 366,082 | 1,274,051 | 997,425 | 404,828 | 1,402,253 | 1.71% | 1.59% | 1.68% | 1.56% | 1.72% | 1.60% | 1.63% | 1.58% | 1.62% |
| 2035 | 810,449 | 321,290 | 1,131,739 | 922,942 | 371,252 | 1,294,194 | 1,014,260 | 410,104 | 1,424,364 | 1.87% | 1.53% | 1.78% | 1.65% | 1.41% | 1.58% | 1.69% | 1.30% | 1.58% |
| 2036 | 829,299 | 326,249 | 1,155,548 | 944,123 | 377,440 | 1,321,562 | 1,036,659 | 416,503 | 1,453,163 | 2.33% | 1.54% | 2.10% | 2.29% | 1.67% | 2.11% | 2.21% | 1.56% | 2.02% |
| 2037 | 837,478 | 332,331 | 1,169,808 | 953,490 | 382,504 | 1,335,993 | 1,046,416 | 422,797 | 1,469,213 | 0.99% | 1.86% | 1.23% | 0.99% | 1.34% | 1.09% | 0.94% | 1.51% | 1.10% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 684 | 8,719 | 9,403 | 728 | 8,819 | 9,547 | 772 | 8,920 | 9,692 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 694 | 8,915 | 9,608 | 742 | 9,013 | 9,756 | 821 | 9,083 | 9,904 | 1.41% | 2.25% | 2.19% | 1.95% | 2.20% | 2.19% | 6.25% | 1.83% | 2.19% |
| 2020 | 707 | 9,107 | 9,814 | 759 | 9,205 | 9,964 | 839 | 9,277 | 10,116 | 1.87% | 2.16% | 2.14% | 2.28% | 2.13% | 2.14% | 2.21% | 2.13% | 2.14% |
| 2021 | 690 | 9,364 | 10,053 | 773 | 9,434 | 10,207 | 857 | 9,506 | 10,363 | -2.43% | 2.82% | 2.44% | 1.83% | 2.49% | 2.44% | 2.12% | 2.47% | 2.44% |
| 2022 | 703 | 9,556 | 10,259 | 790 | 9,626 | 10,416 | 874 | 9,700 | 10,575 | 1.93% | 2.05% | 2.04% | 2.19% | 2.03% | 2.04% | 2.08% | 2.04% | 2.04% |
| 2023 | 716 | 9,748 | 10,464 | 804 | 9,820 | 10,625 | 892 | 9,894 | 10,786 | 1.89% | 2.01% | 2.00% | 1.79% | 2.02% | 2.00% | 2.04% | 2.00% | 2.00% |
| 2024 | 729 | 9,974 | 10,704 | 821 | 10,047 | 10,868 | 910 | 10,124 | 11,033 | 1.86% | 2.32% | 2.29% | 2.11% | 2.30% | 2.29% | 1.97% | 2.32% | 2.29% |
| 2025 | 743 | 10,167 | 10,909 | 835 | 10,242 | 11,077 | 958 | 10,287 | 11,245 | 1.82% | 1.93% | 1.92% | 1.69% | 1.94% | 1.92% | 5.27% | 1.62% | 1.92% |
| 2026 | 756 | 10,399 | 11,155 | 849 | 10,477 | 11,326 | 975 | 10,524 | 11,499 | 1.79% | 2.29% | 2.26% | 1.66% | 2.30% | 2.26% | 1.83% | 2.29% | 2.26% |
| 2027 | 769 | 10,591 | 11,361 | 866 | 10,669 | 11,535 | 990 | 10,721 | 11,711 | 1.76% | 1.85% | 1.84% | 2.03% | 1.83% | 1.84% | 1.48% | 1.88% | 1.84% |
| 2028 | 783 | 10,783 | 11,566 | 880 | 10,864 | 11,744 | 1,007 | 10,915 | 11,922 | 1.77% | 1.81% | 1.81% | 1.60% | 1.83% | 1.81% | 1.77% | 1.81% | 1.81% |
| 2029 | 796 | 11,010 | 11,806 | 897 | 11,090 | 11,987 | 1,025 | 11,145 | 12,169 | 1.70% | 2.10% | 2.07% | 1.93% | 2.08% | 2.07% | 1.74% | 2.10% | 2.07% |
| 2030 | 810 | 11,202 | 12,011 | 911 | 11,285 | 12,195 | 1,042 | 11,339 | 12,381 | 1.71% | 1.74% | 1.74% | 1.55% | 1.76% | 1.74% | 1.71% | 1.74% | 1.74% |
| 2031 | 826 | 11,391 | 12,217 | 928 | 11,476 | 12,404 | 1,057 | 11,536 | 12,593 | 2.02% | 1.69% | 1.71% | 1.89% | 1.70% | 1.71% | 1.39% | 1.74% | 1.71% |
| 2032 | 840 | 11,901 | 12,741 | 972 | 11,964 | 12,937 | 1,074 | 12,059 | 13,134 | 1.64% | 4.48% | 4.29% | 4.74% | 4.26% | 4.29% | 1.66% | 4.53% | 4.29% |
| 2033 | 853 | 12,093 | 12,947 | 986 | 12,159 | 13,145 | 1,092 | 12,253 | 13,345 | 1.62% | 1.61% | 1.61% | 1.43% | 1.63% | 1.61% | 1.63% | 1.61% | 1.61% |
| 2034 | 867 | 12,285 | 13,152 | 1,003 | 12,351 | 13,354 | 1,109 | 12,448 | 13,557 | 1.59% | 1.59% | 1.59% | 1.72% | 1.58% | 1.59% | 1.58% | 1.59% | 1.59% |
| 2035 | 880 | 12,512 | 13,392 | 1,017 | 12,580 | 13,597 | 1,124 | 12,680 | 13,804 | 1.53% | 1.84% | 1.82% | 1.41% | 1.85% | 1.82% | 1.30% | 1.87% | 1.82% |
| 2036 | 894 | 12,710 | 13,604 | 1,034 | 12,778 | 13,812 | 1,141 | 12,881 | 14,023 | 1.54% | 1.59% | 1.58% | 1.67% | 1.58% | 1.58% | 1.56% | 1.58% | 1.58% |
| 2037 | 910 | 12,899 | 13,809 | 1,048 | 12,973 | 14,021 | 1,158 | 13,076 | 14,234 | 1.86% | 1.49% | 1.51% | 1.34% | 1.52% | 1.51% | 1.51% | 1.51% | 1.51% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 261,283 | 597,962 | 859,245 | 270,077 | 642,653 | 912,730 | 278,890 | 684,999 | 963,890 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 267,980 | 607,802 | 875,782 | 279,335 | 653,019 | 932,354 | 290,580 | 716,296 | 1,006,876 | 2.56% | 1.65% | 1.92% | 3.43% | 1.61% | 2.15% | 4.19% | 4.57% | 4.46% |
| 2020 | 276,597 | 609,354 | 885,950 | 290,058 | 667,138 | 957,196 | 303,229 | 749,040 | 1,052,269 | 3.22% | 0.26% | 1.16% | 3.84% | 2.16% | 2.66% | 4.35% | 4.57% | 4.51% |
| 2021 | 282,832 | 592,649 | 875,480 | 297,769 | 676,100 | 973,868 | 312,769 | 759,477 | 1,072,246 | 2.25% | -2.74% | -1.18% | 2.66% | 1.34% | 1.74% | 3.15% | 1.39% | 1.90% |
| 2022 | 290,424 | 601,669 | 892,094 | 306,955 | 686,559 | 993,514 | 323,524 | 772,720 | 1,096,244 | 2.68% | 1.52% | 1.90% | 3.09% | 1.55% | 2.02% | 3.44% | 1.74% | 2.24% |
| 2023 | 298,222 | 611,698 | 909,919 | 316,232 | 698,980 | 1,015,212 | 334,303 | 784,671 | 1,118,974 | 2.68% | 1.67% | 2.00% | 3.02% | 1.81% | 2.18% | 3.33% | 1.55% | 2.07% |
| 2024 | 307,682 | 624,331 | 932,014 | 327,080 | 712,788 | 1,039,868 | 346,474 | 801,021 | 1,147,494 | 3.17% | 2.07% | 2.43% | 3.43% | 1.98% | 2.43% | 3.64% | 2.08% | 2.55% |
| 2025 | 314,241 | 631,867 | 946,107 | 334,676 | 720,592 | 1,055,268 | 355,358 | 835,592 | 1,190,950 | 2.13% | 1.21% | 1.51% | 2.32% | 1.09% | 1.48% | 2.56% | 4.32% | 3.79% |
| 2026 | 322,423 | 641,899 | 964,322 | 343,864 | 732,948 | 1,076,812 | 365,543 | 856,437 | 1,221,981 | 2.60% | 1.59% | 1.93% | 2.75% | 1.71% | 2.04% | 2.87% | 2.49% | 2.61% |
| 2027 | 330,506 | 652,510 | 983,016 | 353,286 | 743,531 | 1,096,817 | 375,973 | 869,313 | 1,245,286 | 2.51% | 1.65% | 1.94% | 2.74% | 1.44% | 1.86% | 2.85% | 1.50% | 1.91% |
| 2028 | 339,948 | 664,979 | 1,004,927 | 364,037 | 758,706 | 1,122,744 | 387,875 | 884,310 | 1,272,184 | 2.86% | 1.91% | 2.23% | 3.04% | 2.04% | 2.36% | 3.17% | 1.73% | 2.16% |
| 2029 | 346,824 | 672,570 | 1,019,394 | 371,669 | 766,483 | 1,138,152 | 396,426 | 893,672 | 1,290,098 | 2.02% | 1.14% | 1.44% | 2.10% | 1.02% | 1.37% | 2.20% | 1.06% | 1.41% |
| 2030 | 355,006 | 682,604 | 1,037,609 | 380,872 | 777,080 | 1,157,952 | 406,771 | 906,717 | 1,313,488 | 2.36% | 1.49% | 1.79% | 2.48% | 1.38% | 1.74% | 2.61% | 1.46% | 1.81% |
| 2031 | 363,468 | 693,066 | 1,056,534 | 390,098 | 789,488 | 1,179,586 | 416,774 | 918,740 | 1,335,514 | 2.38% | 1.53% | 1.82% | 2.42% | 1.60% | 1.87% | 2.46% | 1.33% | 1.68% |
| 2032 | 373,514 | 706,335 | 1,079,849 | 401,232 | 819,791 | 1,221,023 | 428,746 | 934,142 | 1,362,888 | 2.76% | 1.91% | 2.21% | 2.85% | 3.84% | 3.51% | 2.87% | 1.68% | 2.05% |
| 2033 | 380,107 | 713,540 | 1,093,647 | 408,502 | 845,452 | 1,253,954 | 437,019 | 942,939 | 1,379,958 | 1.77% | 1.02% | 1.28% | 1.81% | 3.13% | 2.70% | 1.93% | 0.94% | 1.25% |
| 2034 | 388,413 | 723,568 | 1,111,980 | 417,822 | 856,230 | 1,274,051 | 447,023 | 955,230 | 1,402,253 | 2.19% | 1.41% | 1.68% | 2.28% | 1.27% | 1.60% | 2.29% | 1.30% | 1.62% |
| 2035 | 396,742 | 734,996 | 1,131,739 | 427,049 | 867,145 | 1,294,194 | 457,122 | 967,242 | 1,424,364 | 2.14% | 1.58% | 1.78% | 2.21% | 1.27% | 1.58% | 2.26% | 1.26% | 1.58% |
| 2036 | 407,301 | 748,247 | 1,155,548 | 438,391 | 883,171 | 1,321,562 | 469,395 | 983,767 | 1,453,163 | 2.66% | 1.80% | 2.10% | 2.66% | 1.85% | 2.11% | 2.68% | 1.71% | 2.02% |
| 2037 | 413,764 | 756,044 | 1,169,808 | 445,437 | 890,557 | 1,335,993 | 477,184 | 992,030 | 1,469,213 | 1.59% | 1.04% | 1.23% | 1.61% | 0.84% | 1.09% | 1.66% | 0.84% | 1.10% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 463 | 143 | 606 | 479 | 147 | 626 | 495 | 151 | 646 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 475 | 146 | 621 | 496 | 150 | 646 | 516 | 156 | 671 | 2.59% | 1.99% | 2.45% | 3.44% | 2.10% | 3.13% | 4.17% | 3.09% | 3.92% |
| 2020 | 488 | 148 | 636 | 512 | 154 | 666 | 536 | 160 | 696 | 2.73% | 1.66% | 2.48% | 3.35% | 2.44% | 3.14% | 3.91% | 2.89% | 3.67% |
| 2021 | 502 | 150 | 652 | 529 | 157 | 686 | 555 | 164 | 719 | 2.75% | 1.41% | 2.44% | 3.16% | 2.11% | 2.92% | 3.62% | 2.50% | 3.36% |
| 2022 | 515 | 153 | 668 | 545 | 160 | 705 | 575 | 168 | 743 | 2.71% | 1.89% | 2.52% | 3.11% | 2.07% | 2.87% | 3.47% | 2.44% | 3.23% |
| 2023 | 529 | 156 | 685 | 561 | 164 | 725 | 594 | 172 | 765 | 2.70% | 1.96% | 2.53% | 3.03% | 2.29% | 2.86% | 3.31% | 2.23% | 3.06% |
| 2024 | 544 | 159 | 702 | 578 | 167 | 745 | 612 | 176 | 788 | 2.68% | 1.93% | 2.51% | 2.92% | 1.98% | 2.71% | 3.14% | 2.23% | 2.94% |
| 2025 | 558 | 162 | 720 | 594 | 171 | 765 | 631 | 180 | 811 | 2.62% | 1.89% | 2.46% | 2.83% | 1.99% | 2.64% | 3.05% | 2.56% | 2.94% |
| 2026 | 572 | 165 | 737 | 611 | 174 | 785 | 649 | 184 | 833 | 2.58% | 1.85% | 2.42% | 2.75% | 2.05% | 2.59% | 2.88% | 2.22% | 2.73% |
| 2027 | 587 | 168 | 755 | 627 | 177 | 804 | 668 | 188 | 856 | 2.52% | 1.87% | 2.37% | 2.73% | 1.87% | 2.54% | 2.85% | 2.08% | 2.68% |
| 2028 | 601 | 171 | 772 | 644 | 181 | 824 | 686 | 192 | 877 | 2.44% | 1.79% | 2.30% | 2.60% | 2.07% | 2.49% | 2.72% | 1.91% | 2.54% |
| 2029 | 616 | 174 | 790 | 660 | 184 | 844 | 704 | 195 | 899 | 2.47% | 1.76% | 2.31% | 2.55% | 1.75% | 2.38% | 2.66% | 1.96% | 2.51% |
| 2030 | 630 | 177 | 807 | 676 | 187 | 864 | 722 | 199 | 921 | 2.37% | 1.72% | 2.23% | 2.49% | 1.77% | 2.33% | 2.59% | 2.01% | 2.47% |
| 2031 | 645 | 180 | 825 | 693 | 191 | 884 | 740 | 203 | 943 | 2.37% | 1.79% | 2.24% | 2.43% | 1.96% | 2.33% | 2.49% | 1.76% | 2.33% |
| 2032 | 660 | 183 | 843 | 709 | 195 | 904 | 758 | 206 | 964 | 2.29% | 1.71% | 2.16% | 2.38% | 1.92% | 2.28% | 2.41% | 1.77% | 2.27% |
| 2033 | 675 | 186 | 861 | 726 | 199 | 924 | 776 | 210 | 986 | 2.27% | 1.68% | 2.14% | 2.29% | 2.05% | 2.24% | 2.40% | 1.86% | 2.28% |
| 2034 | 690 | 189 | 879 | 742 | 202 | 944 | 794 | 214 | 1,008 | 2.19% | 1.61% | 2.06% | 2.27% | 1.72% | 2.16% | 2.30% | 1.71% | 2.17% |
| 2035 | 705 | 193 | 897 | 759 | 205 | 964 | 812 | 217 | 1,029 | 2.14% | 1.76% | 2.06% | 2.22% | 1.57% | 2.08% | 2.26% | 1.68% | 2.13% |
| 2036 | 720 | 196 | 916 | 775 | 209 | 984 | 830 | 221 | 1,051 | 2.18% | 1.60% | 2.05% | 2.16% | 1.83% | 2.09% | 2.21% | 1.76% | 2.11% |
| 2037 | 735 | 199 | 934 | 791 | 212 | 1,003 | 848 | 225 | 1,072 | 2.07% | 1.66% | 1.98% | 2.10% | 1.56% | 1.98% | 2.14% | 1.58% | 2.02% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 66.00% |
| Medium: | 60.23% |
| Low: | 54.05% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

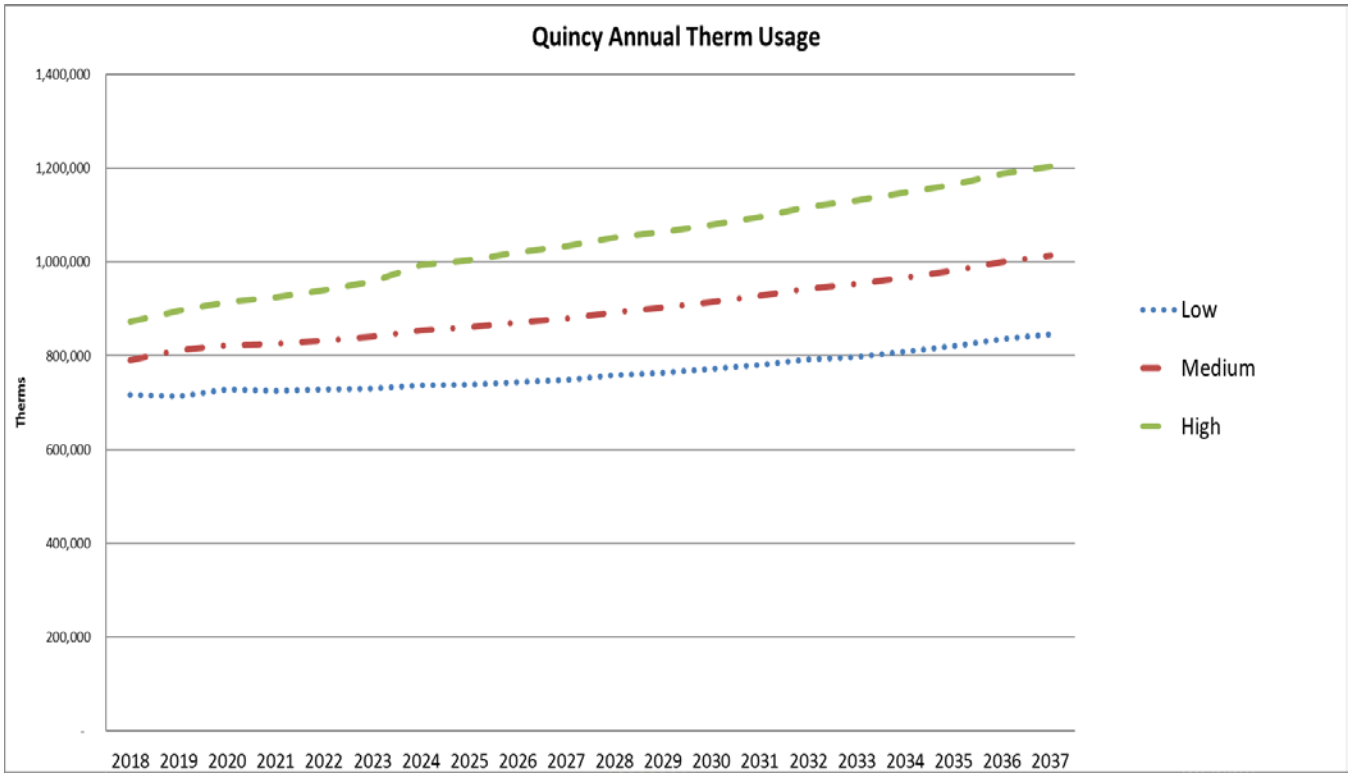
## Quincy

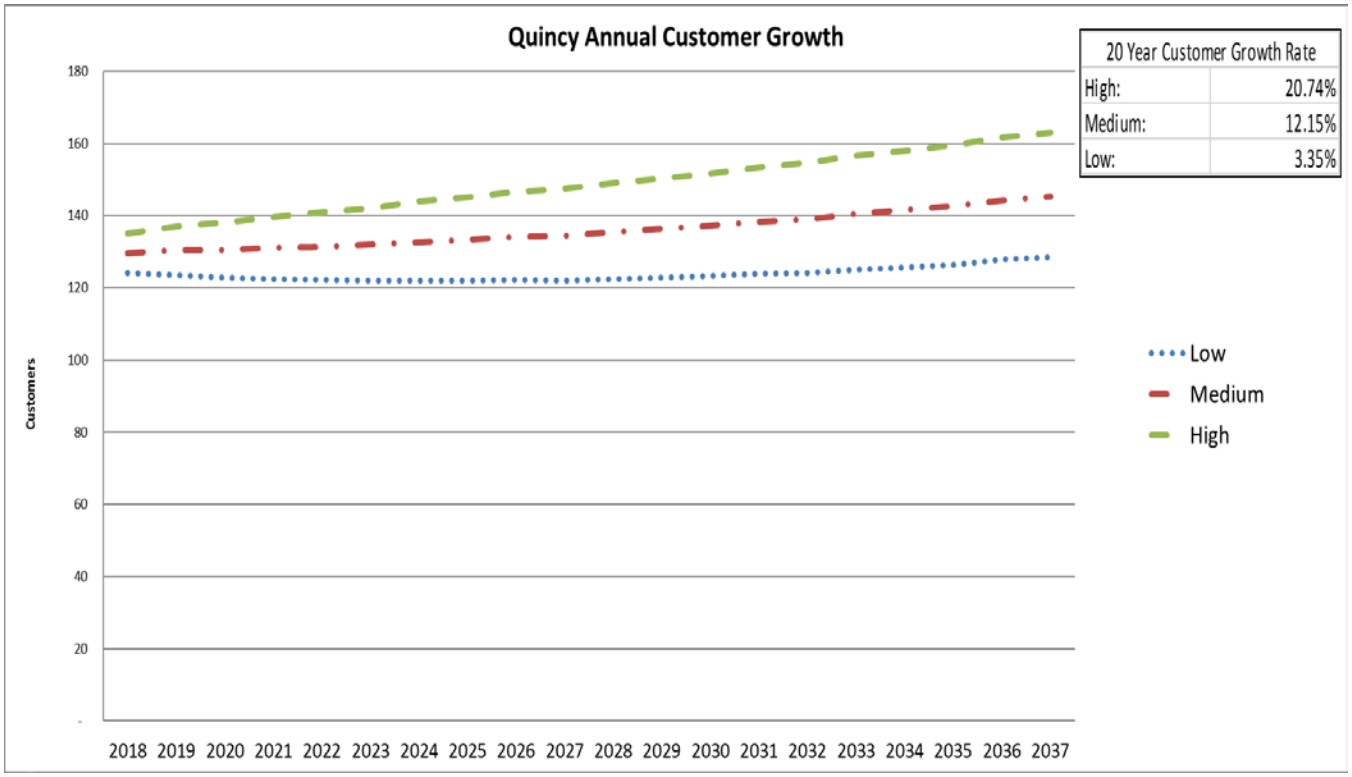
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 314,830 | 402,795 | 717,625 | 347,587 | 442,802 | 790,388 | 395,485 | 477,654 | 873,139 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 311,179 | 402,795 | 713,974 | 364,488 | 447,956 | 812,444 | 394,401 | 502,197 | 896,598 | -1.16% | 0.00% | -0.51% | 4.86% | 1.16% | 2.79% | -0.27% | 5.14% | 2.69% |
| 2020 | 325,411 | 402,580 | 727,991 | 369,201 | 452,895 | 822,096 | 402,944 | 512,291 | 915,234 | 4.57% | -0.05% | 1.96% | 1.29% | 1.10% | 1.19% | 2.17% | 2.01% | 2.08% |
| 2021 | 322,528 | 402,580 | 725,108 | 358,672 | 467,130 | 825,802 | 402,875 | 522,599 | 925,474 | -0.89% | 0.00% | -0.40% | -2.85% | 3.14% | 0.45% | -0.02% | 2.01% | 1.12% |
| 2022 | 327,022 | 402,365 | 729,387 | 356,230 | 477,223 | 833,454 | 407,457 | 532,693 | 940,150 | 1.39% | -0.05% | 0.59% | -0.68% | 2.16% | 0.93% | 1.14% | 1.93% | 1.59% |
| 2023 | 328,556 | 402,150 | 730,706 | 359,145 | 482,163 | 841,308 | 415,163 | 542,787 | 957,950 | 0.47% | -0.05% | 0.18% | 0.82% | 1.03% | 0.94% | 1.89% | 1.89% | 1.89% |
| 2024 | 329,522 | 407,304 | 736,826 | 366,455 | 487,317 | 853,771 | 441,067 | 553,095 | 994,162 | 0.29% | 1.28% | 0.84% | 2.04% | 1.07% | 1.48% | 6.24% | 1.90% | 3.78% |
| 2025 | 331,573 | 407,089 | 738,661 | 369,384 | 492,256 | 861,640 | 446,594 | 558,035 | 1,004,629 | 0.62% | -0.05% | 0.25% | 0.80% | 1.01% | 0.92% | 1.25% | 0.89% | 1.05% |
| 2026 | 331,227 | 412,243 | 743,470 | 374,227 | 497,411 | 871,637 | 451,778 | 568,343 | 1,020,121 | -0.10% | 1.27% | 0.65% | 1.31% | 1.05% | 1.16% | 1.16% | 1.85% | 1.54% |
| 2027 | 331,970 | 417,182 | 749,152 | 372,598 | 507,504 | 880,102 | 455,129 | 578,437 | 1,033,565 | 0.22% | 1.20% | 0.76% | -0.44% | 2.03% | 0.97% | 0.74% | 1.78% | 1.32% |
| 2028 | 335,867 | 422,337 | 758,203 | 380,716 | 512,658 | 893,374 | 463,521 | 588,746 | 1,052,266 | 1.17% | 1.24% | 1.21% | 2.18% | 1.02% | 1.51% | 1.84% | 1.78% | 1.81% |
| 2029 | 336,758 | 427,276 | 764,034 | 385,868 | 517,598 | 903,466 | 465,871 | 598,839 | 1,064,710 | 0.27% | 1.17% | 0.77% | 1.35% | 0.96% | 1.13% | 0.51% | 1.71% | 1.18% |
| 2030 | 340,417 | 432,215 | 772,632 | 387,120 | 527,691 | 914,811 | 470,639 | 608,933 | 1,079,572 | 1.09% | 1.16% | 1.13% | 0.32% | 1.95% | 1.26% | 1.02% | 1.69% | 1.40% |
| 2031 | 343,628 | 437,369 | 780,997 | 390,061 | 538,000 | 928,061 | 477,544 | 619,241 | 1,096,786 | 0.94% | 1.19% | 1.08% | 0.76% | 1.95% | 1.45% | 1.47% | 1.69% | 1.59% |
| 2032 | 349,708 | 442,309 | 792,017 | 401,032 | 542,939 | 943,971 | 488,890 | 629,335 | 1,118,225 | 1.77% | 1.13% | 1.41% | 2.81% | 0.92% | 1.71% | 2.38% | 1.63% | 1.95% |
| 2033 | 345,600 | 452,617 | 798,218 | 400,515 | 553,248 | 953,763 | 486,050 | 644,798 | 1,130,848 | -1.17% | 2.33% | 0.78% | -0.13% | 1.90% | 1.04% | -0.58% | 2.46% | 1.13% |
| 2034 | 351,771 | 457,557 | 809,328 | 404,150 | 563,341 | 967,492 | 492,883 | 654,892 | 1,147,775 | 1.79% | 1.09% | 1.39% | 0.91% | 1.82% | 1.44% | 1.41% | 1.57% | 1.50% |
| 2035 | 358,099 | 462,496 | 820,594 | 408,040 | 573,435 | 981,475 | 500,438 | 664,985 | 1,165,423 | 1.80% | 1.08% | 1.39% | 0.96% | 1.79% | 1.45% | 1.53% | 1.54% | 1.54% |
| 2036 | 363,892 | 472,804 | 836,697 | 417,413 | 583,744 | 1,001,156 | 508,842 | 680,448 | 1,189,290 | 1.62% | 2.23% | 1.96% | 2.30% | 1.80% | 2.01% | 1.68% | 2.33% | 2.05% |
| 2037 | 362,653 | 482,898 | 845,551 | 419,344 | 593,837 | 1,013,181 | 513,123 | 690,542 | 1,203,665 | -0.34% | 2.13% | 1.06% | 0.46% | 1.73% | 1.20% | 0.84% | 1.48% | 1.21% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 1,104 | 3,964 | 5,067 | 1,213 | 3,932 | 5,145 | 1,309 | 3,915 | 5,223 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,104 | 4,008 | 5,112 | 1,227 | 3,963 | 5,190 | 1,376 | 3,893 | 5,269 | 0.00% | 1.11% | 0.87% | 1.16% | 0.78% | 0.87% | 5.14% | -0.56% | 0.87% |
| 2020 | 1,103 | 4,057 | 5,160 | 1,241 | 3,999 | 5,239 | 1,404 | 3,916 | 5,319 | -0.05% | 1.23% | 0.95% | 1.10% | 0.91% | 0.95% | 2.01% | 0.58% | 0.95% |
| 2021 | 1,103 | 4,101 | 5,204 | 1,280 | 4,004 | 5,284 | 1,432 | 3,933 | 5,365 | 0.00% | 1.09% | 0.85% | 3.14% | 0.14% | 0.85% | 2.01% | 0.44% | 0.85% |
| 2022 | 1,102 | 4,151 | 5,253 | 1,307 | 4,026 | 5,334 | 1,459 | 3,955 | 5,415 | -0.05% | 1.20% | 0.94% | 2.16% | 0.55% | 0.94% | 1.93% | 0.57% | 0.94% |
| 2023 | 1,102 | 4,195 | 5,297 | 1,321 | 4,057 | 5,378 | 1,487 | 3,973 | 5,460 | -0.05% | 1.08% | 0.84% | 1.03% | 0.78% | 0.84% | 1.89% | 0.45% | 0.84% |
| 2024 | 1,116 | 4,230 | 5,346 | 1,335 | 4,093 | 5,428 | 1,515 | 3,995 | 5,511 | 1.28% | 0.83% | 0.92% | 1.07% | 0.87% | 0.92% | 1.90% | 0.55% | 0.92% |
| 2025 | 1,115 | 4,323 | 5,439 | 1,349 | 4,173 | 5,522 | 1,529 | 4,077 | 5,606 | -0.05% | 2.21% | 1.74% | 1.01% | 1.97% | 1.74% | 0.89% | 2.06% | 1.74% |
| 2026 | 1,129 | 4,358 | 5,488 | 1,363 | 4,209 | 5,572 | 1,557 | 4,099 | 5,656 | 1.27% | 0.80% | 0.90% | 1.05% | 0.85% | 0.90% | 1.85% | 0.54% | 0.90% |
| 2027 | 1,143 | 4,389 | 5,532 | 1,390 | 4,226 | 5,616 | 1,585 | 4,117 | 5,702 | 1.20% | 0.70% | 0.80% | 2.03% | 0.41% | 0.80% | 1.78% | 0.43% | 0.80% |
| 2028 | 1,157 | 4,467 | 5,624 | 1,405 | 4,306 | 5,711 | 1,613 | 4,185 | 5,798 | 1.24% | 1.79% | 1.68% | 1.02% | 1.90% | 1.68% | 1.78% | 1.64% | 1.68% |
| 2029 | 1,171 | 4,503 | 5,673 | 1,418 | 4,342 | 5,760 | 1,641 | 4,207 | 5,848 | 1.17% | 0.79% | 0.87% | 0.96% | 0.84% | 0.87% | 1.71% | 0.54% | 0.87% |
| 2030 | 1,184 | 4,582 | 5,766 | 1,446 | 4,409 | 5,854 | 1,668 | 4,275 | 5,944 | 1.16% | 1.76% | 1.64% | 1.95% | 1.53% | 1.64% | 1.69% | 1.62% | 1.64% |
| 2031 | 1,198 | 4,616 | 5,815 | 1,474 | 4,430 | 5,904 | 1,697 | 4,297 | 5,994 | 1.19% | 0.76% | 0.85% | 1.95% | 0.48% | 0.85% | 1.69% | 0.51% | 0.85% |
| 2032 | 1,212 | 4,696 | 5,908 | 1,488 | 4,511 | 5,998 | 1,724 | 4,365 | 6,089 | 1.13% | 1.72% | 1.60% | 0.92% | 1.82% | 1.60% | 1.63% | 1.58% | 1.60% |
| 2033 | 1,240 | 4,760 | 6,000 | 1,516 | 4,577 | 6,092 | 1,767 | 4,419 | 6,185 | 2.33% | 1.38% | 1.57% | 1.90% | 1.46% | 1.57% | 2.46% | 1.22% | 1.57% |
| 2034 | 1,254 | 4,796 | 6,049 | 1,543 | 4,598 | 6,142 | 1,794 | 4,441 | 6,235 | 1.09% | 0.74% | 0.81% | 1.82% | 0.48% | 0.81% | 1.57% | 0.51% | 0.81% |
| 2035 | 1,267 | 4,875 | 6,142 | 1,571 | 4,665 | 6,236 | 1,822 | 4,509 | 6,331 | 1.08% | 1.65% | 1.53% | 1.79% | 1.45% | 1.53% | 1.54% | 1.53% | 1.53% |
| 2036 | 1,295 | 4,944 | 6,239 | 1,599 | 4,736 | 6,335 | 1,864 | 4,567 | 6,432 | 2.23% | 1.42% | 1.59% | 1.80% | 1.52% | 1.59% | 2.33% | 1.29% | 1.59% |
| 2037 | 1,323 | 5,009 | 6,332 | 1,627 | 4,802 | 6,429 | 1,892 | 4,635 | 6,527 | 2.13% | 1.32% | 1.49% | 1.73% | 1.41% | 1.49% | 1.48% | 1.49% | 1.49% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 33,987 | 683,638 | 717,625 | 33,987 | 756,402 | 790,388 | 33,987 | 839,152 | 873,139 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 33,855 | 680,120 | 713,974 | 33,855 | 778,589 | 812,444 | 33,855 | 862,743 | 896,598 | -0.39% | -0.51% | -0.51% | -0.39% | 2.93% | 2.79% | -0.39% | 2.81% | 2.69% |
| 2020 | 33,473 | 694,517 | 727,991 | 33,473 | 788,623 | 822,096 | 33,473 | 881,761 | 915,234 | -1.13% | 2.12% | 1.96% | -1.13% | 1.29% | 1.19% | -1.13% | 2.20% | 2.08% |
| 2021 | 33,166 | 691,942 | 725,108 | 33,166 | 792,636 | 825,802 | 33,166 | 892,308 | 925,474 | -0.92% | -0.37% | -0.40% | -0.92% | 0.51% | 0.45% | -0.92% | 1.20% | 1.12% |
| 2022 | 32,717 | 696,670 | 729,387 | 32,717 | 800,737 | 833,454 | 32,717 | 907,433 | 940,150 | -1.35% | 0.68% | 0.59% | -1.35% | 1.02% | 0.93% | -1.35% | 1.70% | 1.59% |
| 2023 | 32,452 | 698,254 | 730,706 | 32,452 | 808,856 | 841,308 | 32,452 | 925,498 | 957,950 | -0.81% | 0.23% | 0.18% | -0.81% | 1.01% | 0.94% | -0.81% | 1.99% | 1.89% |
| 2024 | 32,288 | 704,538 | 736,826 | 32,288 | 821,484 | 853,771 | 32,288 | 961,875 | 994,162 | -0.51% | 0.90% | 0.84% | -0.51% | 1.56% | 1.48% | -0.51% | 3.93% | 3.78% |
| 2025 | 31,856 | 706,806 | 738,661 | 31,856 | 829,785 | 861,640 | 31,856 | 972,773 | 1,004,629 | -1.34% | 0.32% | 0.25% | -1.34% | 1.01% | 0.92% | -1.34% | 1.13% | 1.05% |
| 2026 | 31,557 | 711,913 | 743,470 | 31,557 | 840,080 | 871,637 | 31,557 | 988,564 | 1,020,121 | -0.94% | 0.72% | 0.65% | -0.94% | 1.24% | 1.16% | -0.94% | 1.62% | 1.54% |
| 2027 | 30,968 | 718,184 | 749,152 | 30,968 | 849,134 | 880,102 | 30,968 | 1,002,597 | 1,033,565 | -1.87% | 0.88% | 0.76% | -1.87% | 1.08% | 0.97% | -1.87% | 1.42% | 1.32% |
| 2028 | 30,844 | 727,359 | 758,203 | 30,844 | 862,530 | 893,374 | 30,844 | 1,021,423 | 1,052,266 | -0.40% | 1.28% | 1.21% | -0.40% | 1.58% | 1.51% | -0.40% | 1.88% | 1.81% |
| 2029 | 30,377 | 733,658 | 764,034 | 30,377 | 873,089 | 903,466 | 30,377 | 1,034,333 | 1,064,710 | -1.51% | 0.87% | 0.77% | -1.51% | 1.22% | 1.13% | -1.51% | 1.26% | 1.18% |
| 2030 | 30,087 | 742,545 | 772,632 | 30,087 | 884,724 | 914,811 | 30,087 | 1,049,485 | 1,079,572 | -0.95% | 1.21% | 1.13% | -0.95% | 1.33% | 1.26% | -0.95% | 1.46% | 1.40% |
| 2031 | 29,788 | 751,210 | 780,997 | 29,788 | 898,273 | 928,061 | 29,788 | 1,066,998 | 1,096,786 | -0.99% | 1.17% | 1.08% | -0.99% | 1.53% | 1.45% | -0.99% | 1.67% | 1.59% |
| 2032 | 29,329 | 762,688 | 792,017 | 29,329 | 914,642 | 943,971 | 29,329 | 1,088,896 | 1,118,225 | -1.54% | 1.53% | 1.41% | -1.54% | 1.82% | 1.71% | -1.54% | 2.05% | 1.95% |
| 2033 | 28,995 | 769,222 | 798,218 | 28,995 | 924,768 | 953,763 | 28,995 | 1,101,853 | 1,130,848 | -1.14% | 0.86% | 0.78% | -1.14% | 1.11% | 1.04% | -1.14% | 1.19% | 1.13% |
| 2034 | 28,592 | 780,736 | 809,328 | 28,592 | 938,900 | 967,492 | 28,592 | 1,119,183 | 1,147,775 | -1.39% | 1.50% | 1.39% | -1.39% | 1.53% | 1.44% | -1.39% | 1.57% | 1.50% |
| 2035 | 28,245 | 792,349 | 820,594 | 28,245 | 953,229 | 981,475 | 28,245 | 1,137,178 | 1,165,423 | -1.21% | 1.49% | 1.39% | -1.21% | 1.53% | 1.45% | -1.21% | 1.61% | 1.54% |
| 2036 | 28,144 | 808,553 | 836,697 | 28,144 | 973,012 | 1,001,156 | 28,144 | 1,161,147 | 1,189,290 | -0.36% | 2.05% | 1.96% | -0.36% | 2.08% | 2.01% | -0.36% | 2.11% | 2.05% |
| 2037 | 27,499 | 818,052 | 845,551 | 27,499 | 985,682 | 1,013,181 | 27,499 | 1,176,166 | 1,203,665 | -2.29% | 1.17% | 1.06% | -2.29% | 1.30% | 1.20% | -2.29% | 1.29% | 1.21% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 57 | 67 | 124 | 57 | 72 | 130 | 57 | 78 | 135 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 57 | 67 | 124 | 57 | 74 | 131 | 57 | 80 | 137 | -0.44% | -0.62% | -0.54% | -0.44% | 1.61% | 0.71% | -0.44% | 3.00% | 1.54% |
| 2020 | 56 | 67 | 123 | 56 | 74 | 131 | 56 | 82 | 138 | -1.46% | 0.00% | -0.67% | -1.46% | 1.13% | 0.00% | -1.46% | 2.39% | 0.79% |
| 2021 | 56 | 67 | 123 | 56 | 75 | 131 | 56 | 84 | 140 | -0.45% | 0.00% | -0.20% | -0.45% | 1.12% | 0.45% | -0.45% | 2.13% | 1.09% |
| 2022 | 55 | 67 | 122 | 55 | 76 | 131 | 55 | 86 | 141 | -1.34% | 0.75% | -0.20% | -1.34% | 1.44% | 0.25% | -1.34% | 2.29% | 0.84% |
| 2023 | 55 | 67 | 122 | 55 | 77 | 132 | 55 | 87 | 142 | -0.91% | 0.37% | -0.20% | -0.91% | 1.31% | 0.38% | -0.91% | 1.94% | 0.83% |
| 2024 | 54 | 68 | 122 | 54 | 79 | 133 | 54 | 90 | 144 | -0.92% | 0.62% | -0.07% | -0.92% | 1.51% | 0.51% | -0.92% | 2.86% | 1.41% |
| 2025 | 54 | 68 | 122 | 54 | 80 | 133 | 54 | 92 | 145 | -1.08% | 0.86% | 0.00% | -1.08% | 1.70% | 0.57% | -1.08% | 1.95% | 0.81% |
| 2026 | 53 | 69 | 122 | 53 | 81 | 134 | 53 | 94 | 147 | -0.78% | 0.97% | 0.21% | -0.78% | 1.57% | 0.63% | -0.78% | 2.09% | 1.03% |
| 2027 | 52 | 70 | 122 | 52 | 82 | 134 | 52 | 95 | 147 | -1.88% | 1.09% | -0.20% | -1.88% | 1.44% | 0.12% | -1.88% | 1.87% | 0.51% |
| 2028 | 52 | 71 | 123 | 52 | 84 | 135 | 52 | 97 | 149 | -0.64% | 1.31% | 0.48% | -0.64% | 1.72% | 0.81% | -0.64% | 2.10% | 1.13% |
| 2029 | 51 | 72 | 123 | 51 | 85 | 136 | 51 | 99 | 150 | -1.29% | 1.41% | 0.27% | -1.29% | 1.79% | 0.62% | -1.29% | 1.97% | 0.84% |
| 2030 | 51 | 73 | 123 | 51 | 87 | 137 | 51 | 101 | 152 | -1.14% | 1.51% | 0.41% | -1.14% | 1.76% | 0.67% | -1.14% | 1.93% | 0.89% |
| 2031 | 50 | 74 | 124 | 50 | 88 | 138 | 50 | 103 | 153 | -0.83% | 1.49% | 0.54% | -0.83% | 1.92% | 0.91% | -0.83% | 2.14% | 1.15% |
| 2032 | 49 | 75 | 124 | 49 | 90 | 139 | 49 | 106 | 155 | -2.00% | 1.47% | 0.07% | -2.00% | 1.79% | 0.42% | -2.00% | 2.10% | 0.76% |
| 2033 | 49 | 76 | 125 | 49 | 92 | 141 | 49 | 108 | 157 | -0.51% | 1.67% | 0.81% | -0.51% | 1.95% | 1.08% | -0.51% | 2.13% | 1.29% |
| 2034 | 48 | 78 | 126 | 48 | 93 | 142 | 48 | 110 | 158 | -1.54% | 1.86% | 0.53% | -1.54% | 1.91% | 0.71% | -1.54% | 1.93% | 0.85% |
| 2035 | 47 | 79 | 126 | 47 | 95 | 143 | 47 | 112 | 159 | -1.39% | 1.72% | 0.53% | -1.39% | 1.87% | 0.77% | -1.39% | 1.97% | 0.95% |
| 2036 | 47 | 81 | 128 | 47 | 97 | 144 | 47 | 115 | 162 | -0.70% | 2.11% | 1.05% | -0.70% | 2.10% | 1.17% | -0.70% | 2.23% | 1.36% |
| 2037 | 46 | 82 | 128 | 46 | 99 | 145 | 46 | 117 | 163 | -1.95% | 1.96% | 0.52% | -1.95% | 2.06% | 0.75% | -1.95% | 2.04% | 0.88% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 20.74% |
| Medium: | 12.15% |
| Low: | 3.35% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Sedro-Woolley Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 18,976,243 | 8,765,696 | 27,741,939 | 19,245,023 | 8,902,872 | 28,147,895 | 19,513,924 | 9,040,048 | 28,553,972 |
| 2019 | 19,138,615 | 8,862,902 | 28,001,518 | 19,479,453 | 9,032,227 | 28,511,680 | 19,820,841 | 9,200,742 | 29,021,582 |
| 2020 | 19,422,591 | 8,955,319 | 28,377,910 | 19,826,047 | 9,151,985 | 28,978,032 | 20,227,875 | 9,349,838 | 29,577,713 |
| 2021 | 19,484,129 | 9,053,562 | 28,537,691 | 19,936,304 | 9,274,439 | 29,210,743 | 20,389,538 | 9,495,315 | 29,884,853 |
| 2022 | 19,673,918 | 9,163,100 | 28,837,018 | 20,171,724 | 9,406,811 | 29,578,535 | 20,670,665 | 9,649,334 | 30,319,999 |
| 2023 | 19,867,899 | 9,267,359 | 29,135,257 | 20,409,587 | 9,530,151 | 29,939,738 | 20,950,291 | 9,794,132 | 30,744,423 |
| 2024 | 20,194,290 | 9,374,125 | 29,568,415 | 20,778,204 | 9,655,811 | 30,434,015 | 21,362,138 | 9,937,497 | 31,299,635 |
| 2025 | 20,282,720 | 9,492,375 | 29,775,095 | 20,899,860 | 9,791,767 | 30,691,627 | 21,517,967 | 10,090,159 | 31,608,126 |
| 2026 | 20,494,596 | 9,602,969 | 30,097,565 | 21,146,683 | 9,918,690 | 31,065,373 | 21,798,536 | 10,234,411 | 32,032,947 |
| 2027 | 20,714,831 | 9,726,235 | 30,441,066 | 21,400,720 | 10,057,097 | 31,457,817 | 22,086,201 | 10,387,770 | 32,473,971 |
| 2028 | 21,056,998 | 9,840,468 | 30,897,466 | 21,777,080 | 10,187,282 | 31,964,362 | 22,497,915 | 10,533,097 | 33,031,012 |
| 2029 | 21,166,409 | 9,967,374 | 31,133,783 | 21,913,371 | 10,327,141 | 32,240,512 | 22,659,636 | 10,687,720 | 33,347,356 |
| 2030 | 21,395,767 | 10,085,435 | 31,481,202 | 22,171,805 | 10,459,778 | 32,631,583 | 22,946,837 | 10,834,121 | 33,780,959 |
| 2031 | 21,634,321 | 10,214,980 | 31,849,301 | 22,437,465 | 10,602,900 | 33,040,365 | 23,241,538 | 10,989,820 | 34,231,357 |
| 2032 | 22,006,410 | 10,336,681 | 32,343,092 | 22,841,912 | 10,736,989 | 33,578,901 | 23,677,596 | 11,137,296 | 34,814,892 |
| 2033 | 22,115,174 | 10,469,866 | 32,585,040 | 22,972,089 | 10,882,561 | 33,854,651 | 23,828,765 | 11,295,069 | 35,123,834 |
| 2034 | 22,359,776 | 10,595,206 | 32,954,982 | 23,241,680 | 11,019,913 | 34,261,593 | 24,123,964 | 11,444,808 | 35,568,772 |
| 2035 | 22,617,772 | 10,730,842 | 33,348,615 | 23,525,513 | 11,166,749 | 34,692,262 | 24,431,874 | 11,603,844 | 36,035,718 |
| 2036 | 23,012,061 | 10,858,634 | 33,870,695 | 23,947,854 | 11,306,741 | 35,254,595 | 24,883,839 | 11,754,659 | 36,638,498 |
| 2037 | 23,127,603 | 10,988,556 | 34,116,160 | 24,081,292 | 11,447,675 | 35,528,967 | 25,035,665 | 11,906,794 | 36,942,458 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.86% | 1.11% | 0.94% | 1.22% | 1.45% | 1.29% | 1.57% | 1.78% | 1.64% |
| 2020 | 1.48% | 1.04% | 1.34% | 1.78% | 1.33% | 1.64% | 2.05% | 1.62% | 1.92% |
| 2021 | 0.32% | 1.10% | 0.56% | 0.56% | 1.34% | 0.80% | 0.80% | 1.56% | 1.04% |
| 2022 | 0.97% | 1.21% | 1.05% | 1.18% | 1.43% | 1.26% | 1.38% | 1.62% | 1.46% |
| 2023 | 0.99% | 1.14% | 1.03% | 1.18% | 1.31% | 1.22% | 1.35% | 1.50% | 1.40% |
| 2024 | 1.64% | 1.15% | 1.49% | 1.81% | 1.32% | 1.65% | 1.97% | 1.46% | 1.81% |
| 2025 | 0.44% | 1.26% | 0.70% | 0.59% | 1.41% | 0.85% | 0.73% | 1.54% | 0.99% |
| 2026 | 1.04% | 1.17% | 1.08% | 1.18% | 1.30% | 1.22% | 1.30% | 1.43% | 1.34% |
| 2027 | 1.07% | 1.28% | 1.14% | 1.20% | 1.40% | 1.26% | 1.32% | 1.50% | 1.38% |
| 2028 | 1.65% | 1.17% | 1.50% | 1.76% | 1.29% | 1.61% | 1.86% | 1.40% | 1.72% |
| 2029 | 0.52% | 1.29% | 0.76% | 0.63% | 1.37% | 0.86% | 0.72% | 1.47% | 0.96% |
| 2030 | 1.08% | 1.18% | 1.12% | 1.18% | 1.28% | 1.21% | 1.27% | 1.37% | 1.30% |
| 2031 | 1.11% | 1.28% | 1.17% | 1.20% | 1.37% | 1.25% | 1.28% | 1.44% | 1.33% |
| 2032 | 1.72% | 1.19% | 1.55% | 1.80% | 1.26% | 1.63% | 1.88% | 1.34% | 1.70% |
| 2033 | 0.49% | 1.29% | 0.75% | 0.57% | 1.36% | 0.82% | 0.64% | 1.42% | 0.89% |
| 2034 | 1.11% | 1.20% | 1.14% | 1.17% | 1.26% | 1.20% | 1.24% | 1.33% | 1.27% |
| 2035 | 1.15% | 1.28% | 1.19% | 1.22% | 1.33% | 1.26% | 1.28% | 1.39% | 1.31% |
| 2036 | 1.74% | 1.19% | 1.57% | 1.80% | 1.25% | 1.62% | 1.85% | 1.30% | 1.67% |
| 2037 | 0.50% | 1.20% | 0.72% | 0.56% | 1.25% | 0.78% | 0.61% | 1.29% | 0.83% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 24,016 | 247,733 | 271,749 | 24,391 | 251,522 | 275,914 | 24,767 | 255,348 | 280,115 |
| 2019 | 24,282 | 250,831 | 275,113 | 24,746 | 254,584 | 279,330 | 25,208 | 258,375 | 283,583 |
| 2020 | 24,535 | 253,899 | 278,434 | 25,074 | 257,628 | 282,702 | 25,616 | 261,390 | 287,006 |
| 2021 | 24,804 | 256,956 | 281,761 | 25,409 | 260,670 | 286,079 | 26,015 | 264,421 | 290,435 |
| 2022 | 25,104 | 260,160 | 285,264 | 25,772 | 263,864 | 289,636 | 26,437 | 267,610 | 294,046 |
| 2023 | 25,390 | 263,315 | 288,705 | 26,110 | 267,019 | 293,129 | 26,833 | 270,760 | 297,593 |
| 2024 | 25,683 | 266,474 | 292,157 | 26,454 | 270,180 | 296,635 | 27,226 | 273,925 | 301,151 |
| 2025 | 26,007 | 269,780 | 295,786 | 26,827 | 273,493 | 300,320 | 27,644 | 277,248 | 304,893 |
| 2026 | 26,310 | 273,037 | 299,346 | 27,174 | 276,759 | 303,934 | 28,039 | 280,522 | 308,562 |
| 2027 | 26,647 | 276,387 | 303,034 | 27,554 | 280,125 | 307,678 | 28,460 | 283,904 | 312,363 |
| 2028 | 26,960 | 279,720 | 306,680 | 27,910 | 283,470 | 311,380 | 28,858 | 287,264 | 316,122 |
| 2029 | 27,308 | 283,167 | 310,475 | 28,294 | 286,940 | 315,233 | 29,281 | 290,752 | 320,034 |
| 2030 | 27,631 | 286,569 | 314,200 | 28,657 | 290,359 | 319,016 | 29,683 | 294,191 | 323,874 |
| 2031 | 27,986 | 290,075 | 318,061 | 29,049 | 293,886 | 322,935 | 30,109 | 297,744 | 327,853 |
| 2032 | 28,320 | 293,553 | 321,872 | 29,416 | 297,389 | 326,805 | 30,513 | 301,269 | 331,782 |
| 2033 | 28,685 | 297,149 | 325,833 | 29,815 | 301,012 | 330,827 | 30,945 | 304,919 | 335,865 |
| 2034 | 29,028 | 300,675 | 329,703 | 30,192 | 304,565 | 334,757 | 31,356 | 308,498 | 339,854 |
| 2035 | 29,400 | 304,351 | 333,750 | 30,594 | 308,272 | 338,866 | 31,791 | 312,234 | 344,025 |
| 2036 | 29,750 | 307,978 | 337,728 | 30,977 | 311,927 | 342,904 | 32,205 | 315,921 | 348,125 |
| 2037 | 30,106 | 311,618 | 341,724 | 31,363 | 315,598 | 346,961 | 32,621 | 319,623 | 352,244 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.11% | 1.25% | 1.24% | 1.45% | 1.22% | 1.24% | 1.78% | 1.19% | 1.24% |
| 2020 | 1.04% | 1.22% | 1.21% | 1.33% | 1.20% | 1.21% | 1.62% | 1.17% | 1.21% |
| 2021 | 1.10% | 1.20% | 1.19% | 1.34% | 1.18% | 1.19% | 1.56% | 1.16% | 1.19% |
| 2022 | 1.21% | 1.25% | 1.24% | 1.43% | 1.23% | 1.24% | 1.62% | 1.21% | 1.24% |
| 2023 | 1.14% | 1.21% | 1.21% | 1.31% | 1.20% | 1.21% | 1.50% | 1.18% | 1.21% |
| 2024 | 1.15% | 1.20% | 1.20% | 1.32% | 1.18% | 1.20% | 1.46% | 1.17% | 1.20% |
| 2025 | 1.26% | 1.24% | 1.24% | 1.41% | 1.23% | 1.24% | 1.54% | 1.21% | 1.24% |
| 2026 | 1.17% | 1.21% | 1.20% | 1.30% | 1.19% | 1.20% | 1.43% | 1.18% | 1.20% |
| 2027 | 1.28% | 1.23% | 1.23% | 1.40% | 1.22% | 1.23% | 1.50% | 1.21% | 1.23% |
| 2028 | 1.17% | 1.21% | 1.20% | 1.29% | 1.19% | 1.20% | 1.40% | 1.18% | 1.20% |
| 2029 | 1.29% | 1.23% | 1.24% | 1.37% | 1.22% | 1.24% | 1.47% | 1.21% | 1.24% |
| 2030 | 1.18% | 1.20% | 1.20% | 1.28% | 1.19% | 1.20% | 1.37% | 1.18% | 1.20% |
| 2031 | 1.28% | 1.22% | 1.23% | 1.37% | 1.21% | 1.23% | 1.44% | 1.21% | 1.23% |
| 2032 | 1.19% | 1.20% | 1.20% | 1.26% | 1.19% | 1.20% | 1.34% | 1.18% | 1.20% |
| 2033 | 1.29% | 1.22% | 1.23% | 1.36% | 1.22% | 1.23% | 1.42% | 1.21% | 1.23% |
| 2034 | 1.20% | 1.19% | 1.19% | 1.26% | 1.18% | 1.19% | 1.33% | 1.17% | 1.19% |
| 2035 | 1.28% | 1.22% | 1.23% | 1.33% | 1.22% | 1.23% | 1.39% | 1.21% | 1.23% |
| 2036 | 1.19% | 1.19% | 1.19% | 1.25% | 1.19% | 1.19% | 1.30% | 1.18% | 1.19% |
| 2037 | 1.20% | 1.18% | 1.18% | 1.25% | 1.18% | 1.18% | 1.29% | 1.17% | 1.18% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 17,144,720 | 10,597,219 | 27,741,939 | 17,291,402 | 10,856,493 | 28,147,895 | 17,437,925 | 11,116,047 | 28,553,972 |
| 2019 | 17,302,531 | 10,698,987 | 28,001,518 | 17,476,973 | 11,034,707 | 28,511,680 | 17,651,307 | 11,370,275 | 29,021,582 |
| 2020 | 17,533,319 | 10,844,591 | 28,377,910 | 17,734,749 | 11,243,282 | 28,978,032 | 17,935,787 | 11,641,926 | 29,577,713 |
| 2021 | 17,625,517 | 10,912,174 | 28,537,691 | 17,849,013 | 11,361,729 | 29,210,743 | 18,072,603 | 11,812,250 | 29,884,853 |
| 2022 | 17,795,847 | 11,041,172 | 28,837,018 | 18,039,948 | 11,538,587 | 29,578,535 | 18,284,167 | 12,035,832 | 30,319,999 |
| 2023 | 17,973,965 | 11,161,293 | 29,135,257 | 18,237,254 | 11,702,484 | 29,939,738 | 18,500,513 | 12,243,909 | 30,744,423 |
| 2024 | 18,236,727 | 11,331,688 | 29,568,415 | 18,519,094 | 11,914,921 | 30,434,015 | 18,801,416 | 12,498,219 | 31,299,635 |
| 2025 | 18,348,491 | 11,426,604 | 29,775,095 | 18,646,476 | 12,045,150 | 30,691,627 | 18,944,401 | 12,663,724 | 31,608,126 |
| 2026 | 18,542,617 | 11,554,949 | 30,097,565 | 18,856,293 | 12,209,079 | 31,065,373 | 19,170,129 | 12,862,818 | 32,032,947 |
| 2027 | 18,741,777 | 11,699,289 | 30,441,066 | 19,070,706 | 12,387,112 | 31,457,817 | 19,399,493 | 13,074,478 | 32,473,971 |
| 2028 | 19,021,959 | 11,875,508 | 30,897,466 | 19,366,600 | 12,597,762 | 31,964,362 | 19,711,225 | 13,319,787 | 33,031,012 |
| 2029 | 19,154,627 | 11,979,156 | 31,133,783 | 19,511,767 | 12,728,745 | 32,240,512 | 19,869,037 | 13,478,319 | 33,347,356 |
| 2030 | 19,368,353 | 12,112,849 | 31,481,202 | 19,738,822 | 12,892,761 | 32,631,583 | 20,109,505 | 13,671,454 | 33,780,959 |
| 2031 | 19,587,005 | 12,262,296 | 31,849,301 | 19,970,404 | 13,069,961 | 33,040,365 | 20,353,758 | 13,877,599 | 34,231,357 |
| 2032 | 19,894,441 | 12,448,650 | 32,343,092 | 20,291,907 | 13,286,994 | 33,578,901 | 20,689,433 | 14,125,459 | 34,814,892 |
| 2033 | 20,035,968 | 12,549,072 | 32,585,040 | 20,443,862 | 13,410,789 | 33,854,651 | 20,851,880 | 14,271,954 | 35,123,834 |
| 2034 | 20,268,495 | 12,686,487 | 32,954,982 | 20,688,004 | 13,573,589 | 34,261,593 | 21,107,749 | 14,461,023 | 35,568,772 |
| 2035 | 20,507,718 | 12,840,896 | 33,348,615 | 20,938,706 | 13,753,556 | 34,692,262 | 21,369,856 | 14,665,862 | 36,035,718 |
| 2036 | 20,837,328 | 13,033,367 | 33,870,695 | 21,281,334 | 13,973,260 | 35,254,595 | 21,725,430 | 14,913,068 | 36,638,498 |
| 2037 | 20,995,347 | 13,120,813 | 34,116,160 | 21,448,356 | 14,080,611 | 35,528,967 | 21,901,238 | 15,041,221 | 36,942,458 |

Annual Change

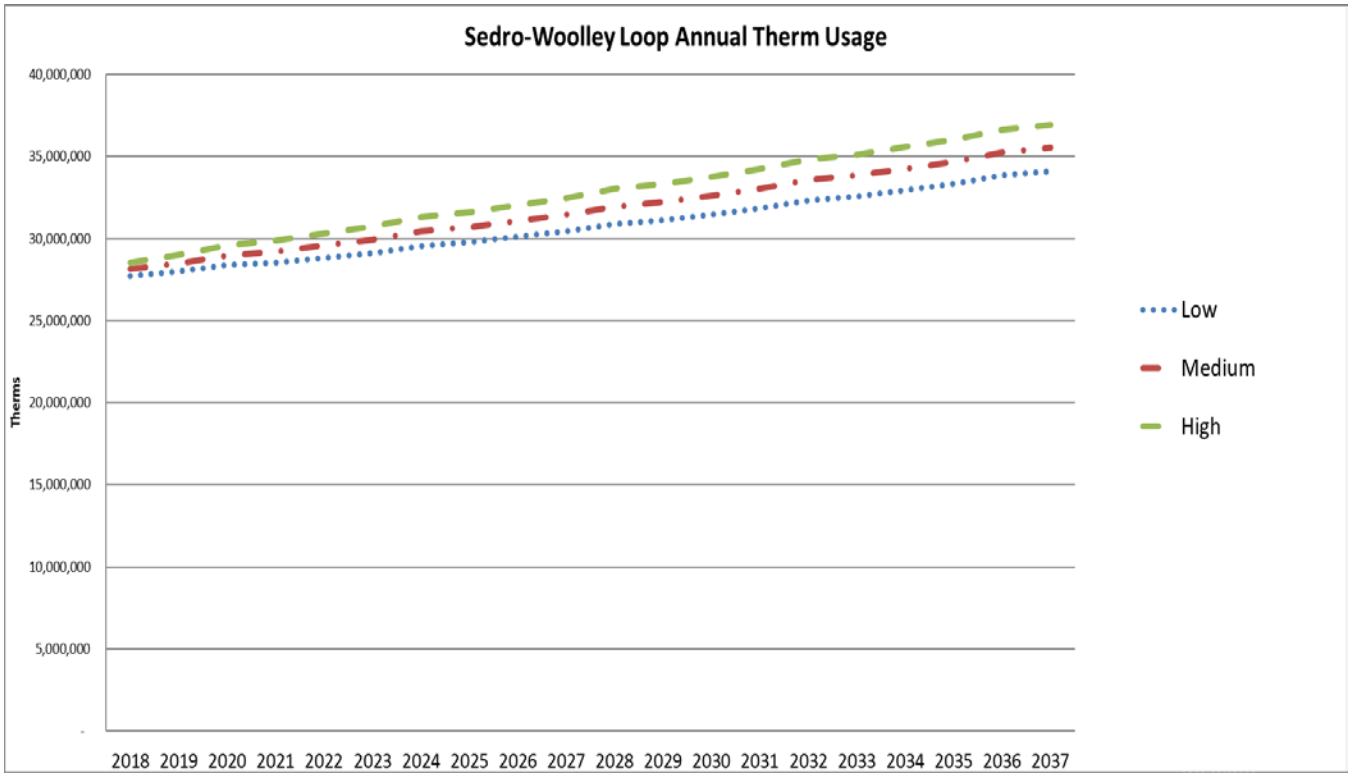
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.92% | 0.96% | 0.94% | 1.07% | 1.64% | 1.29% | 1.22% | 2.29% | 1.64% |
| 2020 | 1.33% | 1.36% | 1.34% | 1.47% | 1.89% | 1.64% | 1.61% | 2.39% | 1.92% |
| 2021 | 0.53% | 0.62% | 0.56% | 0.64% | 1.05% | 0.80% | 0.76% | 1.46% | 1.04% |
| 2022 | 0.97% | 1.18% | 1.05% | 1.07% | 1.56% | 1.26% | 1.17% | 1.89% | 1.46% |
| 2023 | 1.00% | 1.09% | 1.03% | 1.09% | 1.42% | 1.22% | 1.18% | 1.73% | 1.40% |
| 2024 | 1.46% | 1.53% | 1.49% | 1.55% | 1.82% | 1.65% | 1.63% | 2.08% | 1.81% |
| 2025 | 0.61% | 0.84% | 0.70% | 0.69% | 1.09% | 0.85% | 0.76% | 1.32% | 0.99% |
| 2026 | 1.06% | 1.12% | 1.08% | 1.13% | 1.36% | 1.22% | 1.19% | 1.57% | 1.34% |
| 2027 | 1.07% | 1.25% | 1.14% | 1.14% | 1.46% | 1.26% | 1.20% | 1.65% | 1.38% |
| 2028 | 1.49% | 1.51% | 1.50% | 1.55% | 1.70% | 1.61% | 1.61% | 1.88% | 1.72% |
| 2029 | 0.70% | 0.87% | 0.76% | 0.75% | 1.04% | 0.86% | 0.80% | 1.19% | 0.96% |
| 2030 | 1.12% | 1.12% | 1.12% | 1.16% | 1.29% | 1.21% | 1.21% | 1.43% | 1.30% |
| 2031 | 1.13% | 1.23% | 1.17% | 1.17% | 1.37% | 1.25% | 1.21% | 1.51% | 1.33% |
| 2032 | 1.57% | 1.52% | 1.55% | 1.61% | 1.66% | 1.63% | 1.65% | 1.79% | 1.70% |
| 2033 | 0.71% | 0.81% | 0.75% | 0.75% | 0.93% | 0.82% | 0.79% | 1.04% | 0.89% |
| 2034 | 1.16% | 1.10% | 1.14% | 1.19% | 1.21% | 1.20% | 1.23% | 1.32% | 1.27% |
| 2035 | 1.18% | 1.22% | 1.19% | 1.21% | 1.33% | 1.26% | 1.24% | 1.42% | 1.31% |
| 2036 | 1.61% | 1.50% | 1.57% | 1.64% | 1.60% | 1.62% | 1.66% | 1.69% | 1.67% |
| 2037 | 0.76% | 0.67% | 0.72% | 0.78% | 0.77% | 0.78% | 0.81% | 0.86% | 0.83% |

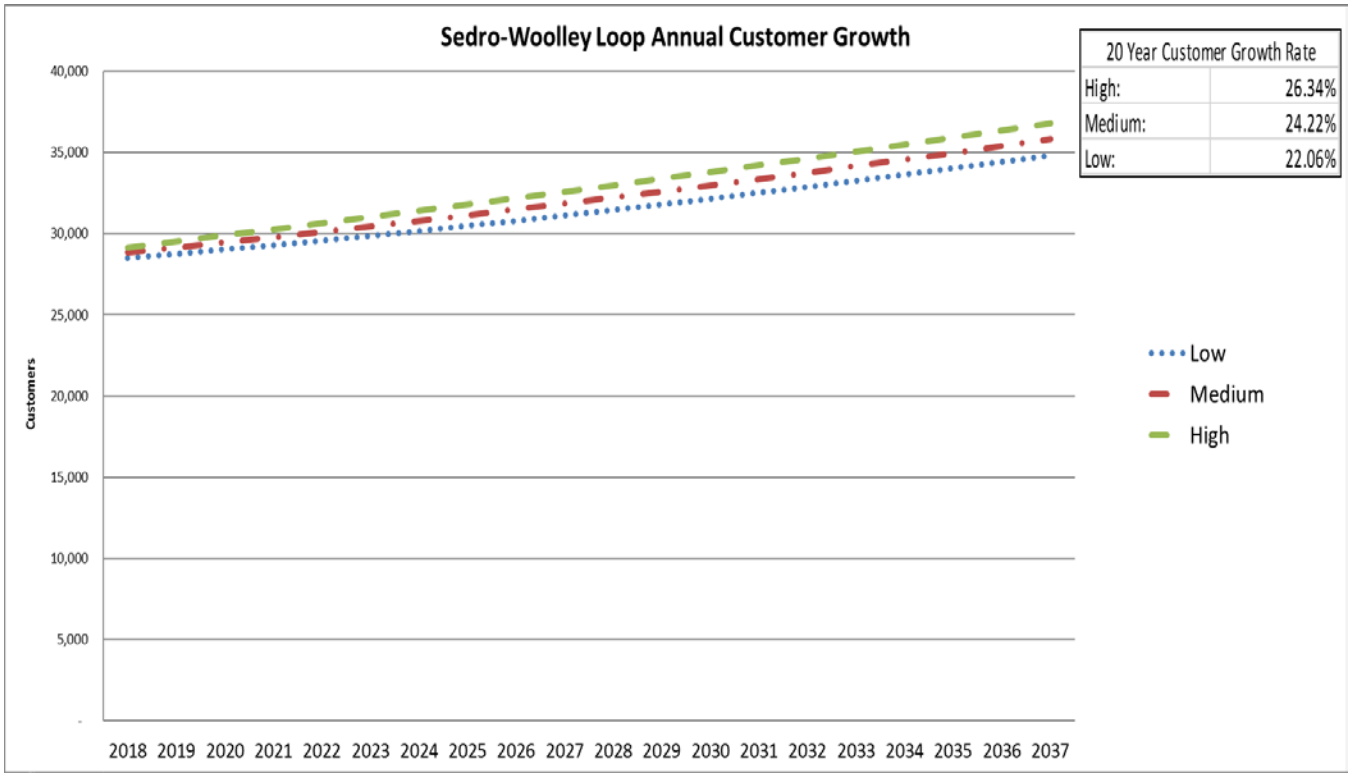
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25,229 | 3,294 | 28,522 | 25,447 | 3,384 | 28,831 | 25,665 | 3,475 | 29,140 |
| 2019 | 25,461 | 3,313 | 28,774 | 25,719 | 3,430 | 29,149 | 25,977 | 3,547 | 29,523 |
| 2020 | 25,692 | 3,337 | 29,029 | 25,989 | 3,475 | 29,463 | 26,285 | 3,612 | 29,897 |
| 2021 | 25,938 | 3,363 | 29,301 | 26,268 | 3,519 | 29,787 | 26,598 | 3,675 | 30,274 |
| 2022 | 26,192 | 3,393 | 29,584 | 26,552 | 3,565 | 30,117 | 26,913 | 3,737 | 30,650 |
| 2023 | 26,454 | 3,422 | 29,876 | 26,843 | 3,610 | 30,453 | 27,232 | 3,797 | 31,029 |
| 2024 | 26,725 | 3,453 | 30,178 | 27,140 | 3,654 | 30,794 | 27,555 | 3,856 | 31,410 |
| 2025 | 27,003 | 3,486 | 30,489 | 27,443 | 3,700 | 31,143 | 27,883 | 3,914 | 31,797 |
| 2026 | 27,290 | 3,518 | 30,808 | 27,752 | 3,745 | 31,497 | 28,215 | 3,971 | 32,186 |
| 2027 | 27,583 | 3,552 | 31,136 | 28,068 | 3,790 | 31,859 | 28,553 | 4,028 | 32,582 |
| 2028 | 27,884 | 3,586 | 31,470 | 28,390 | 3,835 | 32,225 | 28,896 | 4,084 | 32,980 |
| 2029 | 28,192 | 3,621 | 31,813 | 28,719 | 3,881 | 32,599 | 29,245 | 4,140 | 33,386 |
| 2030 | 28,507 | 3,656 | 32,163 | 29,053 | 3,926 | 32,979 | 29,600 | 4,195 | 33,795 |
| 2031 | 28,829 | 3,692 | 32,521 | 29,395 | 3,971 | 33,366 | 29,960 | 4,251 | 34,210 |
| 2032 | 29,158 | 3,727 | 32,885 | 29,742 | 4,016 | 33,758 | 30,326 | 4,305 | 34,630 |
| 2033 | 29,494 | 3,763 | 33,258 | 30,096 | 4,062 | 34,157 | 30,697 | 4,360 | 35,057 |
| 2034 | 29,837 | 3,799 | 33,636 | 30,456 | 4,106 | 34,562 | 31,074 | 4,413 | 35,487 |
| 2035 | 30,186 | 3,836 | 34,022 | 30,822 | 4,152 | 34,973 | 31,457 | 4,467 | 35,925 |
| 2036 | 30,542 | 3,873 | 34,415 | 31,194 | 4,197 | 35,391 | 31,846 | 4,520 | 36,366 |
| 2037 | 30,905 | 3,909 | 34,814 | 31,573 | 4,241 | 35,814 | 32,240 | 4,573 | 36,814 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.92% | 0.59% | 0.88% | 1.07% | 1.35% | 1.10% | 1.22% | 2.06% | 1.32% |
| 2020 | 0.91% | 0.71% | 0.88% | 1.05% | 1.30% | 1.08% | 1.19% | 1.86% | 1.27% |
| 2021 | 0.96% | 0.79% | 0.94% | 1.07% | 1.29% | 1.10% | 1.19% | 1.74% | 1.26% |
| 2022 | 0.98% | 0.87% | 0.97% | 1.08% | 1.30% | 1.11% | 1.18% | 1.68% | 1.24% |
| 2023 | 1.00% | 0.87% | 0.99% | 1.10% | 1.25% | 1.11% | 1.18% | 1.60% | 1.24% |
| 2024 | 1.02% | 0.90% | 1.01% | 1.11% | 1.24% | 1.12% | 1.19% | 1.53% | 1.23% |
| 2025 | 1.04% | 0.95% | 1.03% | 1.12% | 1.25% | 1.13% | 1.19% | 1.52% | 1.23% |
| 2026 | 1.06% | 0.93% | 1.04% | 1.13% | 1.21% | 1.14% | 1.19% | 1.45% | 1.22% |
| 2027 | 1.08% | 0.97% | 1.06% | 1.14% | 1.22% | 1.15% | 1.20% | 1.44% | 1.23% |
| 2028 | 1.09% | 0.95% | 1.07% | 1.15% | 1.18% | 1.15% | 1.20% | 1.38% | 1.22% |
| 2029 | 1.10% | 0.99% | 1.09% | 1.16% | 1.19% | 1.16% | 1.21% | 1.38% | 1.23% |
| 2030 | 1.12% | 0.95% | 1.10% | 1.17% | 1.15% | 1.16% | 1.21% | 1.32% | 1.23% |
| 2031 | 1.13% | 0.98% | 1.11% | 1.17% | 1.16% | 1.17% | 1.22% | 1.32% | 1.23% |
| 2032 | 1.14% | 0.96% | 1.12% | 1.18% | 1.13% | 1.18% | 1.22% | 1.28% | 1.23% |
| 2033 | 1.15% | 0.98% | 1.13% | 1.19% | 1.14% | 1.18% | 1.23% | 1.27% | 1.23% |
| 2034 | 1.16% | 0.95% | 1.14% | 1.20% | 1.10% | 1.18% | 1.23% | 1.23% | 1.23% |
| 2035 | 1.17% | 0.97% | 1.15% | 1.20% | 1.11% | 1.19% | 1.23% | 1.23% | 1.23% |
| 2036 | 1.18% | 0.95% | 1.15% | 1.21% | 1.08% | 1.19% | 1.24% | 1.19% | 1.23% |
| 2037 | 1.19% | 0.94% | 1.16% | 1.21% | 1.06% | 1.20% | 1.24% | 1.17% | 1.23% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 26.34% |
| Medium: | 24.22% |
| Low: | 22.06% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Sumas SPE Loop

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 31,479,018 | 15,680,358 | 47,159,376 | 31,830,201 | 15,924,133 | 47,754,334 | 32,183,385 | 16,166,510 | 48,349,895 |
| 2019 | 31,815,483 | 15,842,885 | 47,658,369 | 32,299,544 | 16,160,404 | 48,459,949 | 32,785,590 | 16,476,526 | 49,262,116 |
| 2020 | 32,386,572 | 16,028,992 | 48,415,564 | 32,983,858 | 16,405,468 | 49,389,327 | 33,580,897 | 16,781,944 | 50,362,842 |
| 2021 | 32,599,945 | 16,231,687 | 48,831,632 | 33,286,798 | 16,659,525 | 49,946,324 | 33,971,674 | 17,088,561 | 51,060,235 |
| 2022 | 33,031,573 | 16,449,369 | 49,480,942 | 33,799,034 | 16,923,372 | 50,722,407 | 34,565,541 | 17,398,573 | 51,964,114 |
| 2023 | 33,489,247 | 16,678,843 | 50,168,090 | 34,328,527 | 17,197,210 | 51,525,737 | 35,169,397 | 17,714,179 | 52,883,576 |
| 2024 | 34,173,823 | 16,922,503 | 51,096,326 | 35,087,850 | 17,478,242 | 52,566,092 | 36,001,114 | 18,035,380 | 54,036,494 |
| 2025 | 34,481,623 | 17,177,354 | 51,658,977 | 35,451,707 | 17,770,863 | 53,222,570 | 36,423,337 | 18,362,974 | 54,786,311 |
| 2026 | 35,000,336 | 17,442,996 | 52,443,332 | 36,029,927 | 18,070,679 | 54,100,606 | 37,058,923 | 18,698,361 | 55,757,284 |
| 2027 | 35,532,975 | 17,720,827 | 53,253,802 | 36,618,730 | 18,380,485 | 54,999,214 | 37,704,972 | 19,040,143 | 56,745,114 |
| 2028 | 36,296,772 | 18,008,051 | 54,304,822 | 37,442,453 | 18,699,084 | 56,141,536 | 38,588,490 | 19,390,317 | 57,978,807 |
| 2029 | 36,653,960 | 18,307,263 | 54,961,223 | 37,843,773 | 19,027,873 | 56,871,646 | 39,032,556 | 19,748,483 | 58,781,039 |
| 2030 | 37,240,645 | 18,615,868 | 55,856,513 | 38,477,946 | 19,365,455 | 57,843,401 | 39,717,453 | 20,113,644 | 59,831,096 |
| 2031 | 37,843,645 | 18,934,864 | 56,778,509 | 39,128,421 | 19,711,630 | 58,840,051 | 40,413,243 | 20,488,395 | 60,901,639 |
| 2032 | 38,696,538 | 19,263,053 | 57,959,592 | 40,034,184 | 20,066,597 | 60,100,781 | 41,372,395 | 20,870,141 | 62,242,536 |
| 2033 | 39,096,365 | 19,603,030 | 58,699,395 | 40,469,672 | 20,431,755 | 60,901,427 | 41,843,026 | 21,260,480 | 63,103,506 |
| 2034 | 39,748,553 | 19,952,001 | 59,700,553 | 41,163,932 | 20,805,506 | 61,969,437 | 42,580,709 | 21,659,011 | 64,239,720 |
| 2035 | 40,420,325 | 20,309,964 | 60,730,288 | 41,877,696 | 21,188,049 | 63,065,745 | 43,334,507 | 22,066,135 | 65,400,642 |
| 2036 | 41,352,797 | 20,678,317 | 62,031,114 | 42,858,332 | 21,580,583 | 64,438,915 | 44,365,603 | 22,481,451 | 66,847,054 |
| 2037 | 41,797,724 | 21,055,464 | 62,853,188 | 43,333,261 | 21,980,512 | 65,313,773 | 44,869,612 | 22,905,560 | 67,775,172 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.07% | 1.04% | 1.06% | 1.47% | 1.48% | 1.48% | 1.87% | 1.92% | 1.89% |
| 2020 | 1.80% | 1.17% | 1.59% | 2.12% | 1.52% | 1.92% | 2.43% | 1.85% | 2.23% |
| 2021 | 0.66% | 1.26% | 0.86% | 0.92% | 1.55% | 1.13% | 1.16% | 1.83% | 1.38% |
| 2022 | 1.32% | 1.34% | 1.33% | 1.54% | 1.58% | 1.55% | 1.75% | 1.81% | 1.77% |
| 2023 | 1.39% | 1.40% | 1.39% | 1.57% | 1.62% | 1.58% | 1.75% | 1.81% | 1.77% |
| 2024 | 2.04% | 1.46% | 1.85% | 2.21% | 1.63% | 2.02% | 2.36% | 1.81% | 2.18% |
| 2025 | 0.90% | 1.51% | 1.10% | 1.04% | 1.67% | 1.25% | 1.17% | 1.82% | 1.39% |
| 2026 | 1.50% | 1.55% | 1.52% | 1.63% | 1.69% | 1.65% | 1.74% | 1.83% | 1.77% |
| 2027 | 1.52% | 1.59% | 1.55% | 1.63% | 1.71% | 1.66% | 1.74% | 1.83% | 1.77% |
| 2028 | 2.15% | 1.62% | 1.97% | 2.25% | 1.73% | 2.08% | 2.34% | 1.84% | 2.17% |
| 2029 | 0.98% | 1.66% | 1.21% | 1.07% | 1.76% | 1.30% | 1.15% | 1.85% | 1.38% |
| 2030 | 1.60% | 1.69% | 1.63% | 1.68% | 1.77% | 1.71% | 1.75% | 1.85% | 1.79% |
| 2031 | 1.62% | 1.71% | 1.65% | 1.69% | 1.79% | 1.72% | 1.75% | 1.86% | 1.79% |
| 2032 | 2.25% | 1.73% | 2.08% | 2.31% | 1.80% | 2.14% | 2.37% | 1.86% | 2.20% |
| 2033 | 1.03% | 1.76% | 1.28% | 1.09% | 1.82% | 1.33% | 1.14% | 1.87% | 1.38% |
| 2034 | 1.67% | 1.78% | 1.71% | 1.72% | 1.83% | 1.75% | 1.76% | 1.87% | 1.80% |
| 2035 | 1.69% | 1.79% | 1.72% | 1.73% | 1.84% | 1.77% | 1.77% | 1.88% | 1.81% |
| 2036 | 2.31% | 1.81% | 2.14% | 2.34% | 1.85% | 2.18% | 2.38% | 1.88% | 2.21% |
| 2037 | 1.08% | 1.82% | 1.33% | 1.11% | 1.85% | 1.36% | 1.14% | 1.89% | 1.39% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 42,960 | 434,586 | 477,546 | 43,628 | 441,237 | 484,865 | 44,292 | 447,956 | 492,248 |
| 2019 | 43,405 | 441,225 | 484,630 | 44,275 | 447,783 | 492,058 | 45,141 | 454,409 | 499,550 |
| 2020 | 43,915 | 448,002 | 491,917 | 44,946 | 454,509 | 499,456 | 45,978 | 461,083 | 507,061 |
| 2021 | 44,470 | 455,015 | 499,485 | 45,643 | 461,498 | 507,140 | 46,818 | 468,044 | 514,862 |
| 2022 | 45,067 | 462,189 | 507,255 | 46,365 | 468,664 | 515,030 | 47,667 | 475,205 | 522,872 |
| 2023 | 45,695 | 469,576 | 515,271 | 47,116 | 476,053 | 523,169 | 48,532 | 482,603 | 531,135 |
| 2024 | 46,363 | 477,148 | 523,511 | 47,886 | 483,649 | 531,535 | 49,412 | 490,217 | 539,629 |
| 2025 | 47,061 | 484,950 | 532,012 | 48,687 | 491,478 | 540,165 | 50,310 | 498,081 | 548,390 |
| 2026 | 47,789 | 492,947 | 540,736 | 49,509 | 499,514 | 549,023 | 51,228 | 506,155 | 557,383 |
| 2027 | 48,550 | 501,134 | 549,684 | 50,357 | 507,751 | 558,108 | 52,165 | 514,442 | 566,607 |
| 2028 | 49,337 | 509,562 | 558,899 | 51,230 | 516,235 | 567,465 | 53,124 | 522,982 | 576,106 |
| 2029 | 50,157 | 518,182 | 568,338 | 52,131 | 524,918 | 577,049 | 54,105 | 531,730 | 585,836 |
| 2030 | 51,002 | 527,007 | 578,009 | 53,056 | 533,812 | 586,868 | 55,106 | 540,698 | 595,804 |
| 2031 | 51,876 | 536,056 | 587,932 | 54,004 | 542,939 | 596,943 | 56,133 | 549,900 | 606,033 |
| 2032 | 52,775 | 545,318 | 598,094 | 54,977 | 552,284 | 607,260 | 57,178 | 559,329 | 616,507 |
| 2033 | 53,707 | 554,765 | 608,472 | 55,977 | 561,821 | 617,798 | 58,248 | 568,957 | 627,205 |
| 2034 | 54,663 | 564,426 | 619,089 | 57,001 | 571,576 | 628,577 | 59,340 | 578,809 | 638,149 |
| 2035 | 55,644 | 574,315 | 629,959 | 58,049 | 581,564 | 639,614 | 60,455 | 588,898 | 649,353 |
| 2036 | 56,653 | 584,400 | 641,052 | 59,125 | 591,752 | 650,877 | 61,593 | 599,195 | 660,788 |
| 2037 | 57,686 | 594,691 | 652,377 | 60,221 | 602,155 | 662,376 | 62,755 | 609,707 | 672,462 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.04% | 1.53% | 1.48% | 1.48% | 1.48% | 1.48% | 1.92% | 1.44% | 1.48% |
| 2020 | 1.17% | 1.54% | 1.50% | 1.52% | 1.50% | 1.50% | 1.85% | 1.47% | 1.50% |
| 2021 | 1.26% | 1.57% | 1.54% | 1.55% | 1.54% | 1.54% | 1.83% | 1.51% | 1.54% |
| 2022 | 1.34% | 1.58% | 1.56% | 1.58% | 1.55% | 1.56% | 1.81% | 1.53% | 1.56% |
| 2023 | 1.40% | 1.60% | 1.58% | 1.62% | 1.58% | 1.58% | 1.81% | 1.56% | 1.58% |
| 2024 | 1.46% | 1.61% | 1.60% | 1.63% | 1.60% | 1.60% | 1.81% | 1.58% | 1.60% |
| 2025 | 1.51% | 1.64% | 1.62% | 1.67% | 1.62% | 1.62% | 1.82% | 1.60% | 1.62% |
| 2026 | 1.55% | 1.65% | 1.64% | 1.69% | 1.64% | 1.64% | 1.83% | 1.62% | 1.64% |
| 2027 | 1.59% | 1.66% | 1.65% | 1.71% | 1.65% | 1.65% | 1.83% | 1.64% | 1.65% |
| 2028 | 1.62% | 1.68% | 1.68% | 1.73% | 1.67% | 1.68% | 1.84% | 1.66% | 1.68% |
| 2029 | 1.66% | 1.69% | 1.69% | 1.76% | 1.68% | 1.69% | 1.85% | 1.67% | 1.69% |
| 2030 | 1.69% | 1.70% | 1.70% | 1.77% | 1.69% | 1.70% | 1.85% | 1.69% | 1.70% |
| 2031 | 1.71% | 1.72% | 1.72% | 1.79% | 1.71% | 1.72% | 1.86% | 1.70% | 1.72% |
| 2032 | 1.73% | 1.73% | 1.73% | 1.80% | 1.72% | 1.73% | 1.86% | 1.71% | 1.73% |
| 2033 | 1.76% | 1.73% | 1.74% | 1.82% | 1.73% | 1.74% | 1.87% | 1.72% | 1.74% |
| 2034 | 1.78% | 1.74% | 1.74% | 1.83% | 1.74% | 1.74% | 1.87% | 1.73% | 1.74% |
| 2035 | 1.79% | 1.75% | 1.76% | 1.84% | 1.75% | 1.76% | 1.88% | 1.74% | 1.76% |
| 2036 | 1.81% | 1.76% | 1.76% | 1.85% | 1.75% | 1.76% | 1.88% | 1.75% | 1.76% |
| 2037 | 1.82% | 1.76% | 1.77% | 1.85% | 1.76% | 1.77% | 1.89% | 1.75% | 1.77% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 30,796,617 | 16,362,759 | 47,159,376 | 31,051,266 | 16,703,068 | 47,754,334 | 31,306,019 | 17,043,876 | 48,349,895 |
| 2019 | 31,098,289 | 16,560,080 | 47,658,369 | 31,459,459 | 17,000,490 | 48,459,949 | 31,820,863 | 17,441,252 | 49,262,116 |
| 2020 | 31,560,019 | 16,855,545 | 48,415,564 | 32,010,451 | 17,378,876 | 49,389,327 | 32,460,789 | 17,902,052 | 50,362,842 |
| 2021 | 31,787,915 | 17,043,717 | 48,831,632 | 32,311,105 | 17,635,218 | 49,946,324 | 32,834,272 | 18,225,963 | 51,060,235 |
| 2022 | 32,162,588 | 17,318,354 | 49,480,942 | 32,751,045 | 17,971,361 | 50,722,407 | 33,339,762 | 18,624,352 | 51,964,114 |
| 2023 | 32,556,046 | 17,612,044 | 50,168,090 | 33,203,740 | 18,321,997 | 51,525,737 | 33,851,218 | 19,032,358 | 52,883,576 |
| 2024 | 33,102,472 | 17,993,854 | 51,096,326 | 33,807,007 | 18,759,085 | 52,566,092 | 34,511,335 | 19,525,159 | 54,036,494 |
| 2025 | 33,391,432 | 18,267,546 | 51,658,977 | 34,143,119 | 19,079,451 | 53,222,570 | 34,894,985 | 19,891,326 | 54,786,311 |
| 2026 | 33,829,472 | 18,613,860 | 52,443,332 | 34,628,206 | 19,472,399 | 54,100,606 | 35,426,944 | 20,330,340 | 55,757,284 |
| 2027 | 34,281,117 | 18,972,685 | 53,253,802 | 35,124,072 | 19,875,142 | 54,999,214 | 35,967,361 | 20,777,753 | 56,745,114 |
| 2028 | 34,884,108 | 19,420,714 | 54,304,822 | 35,772,858 | 20,368,678 | 56,141,536 | 36,661,790 | 21,317,017 | 57,978,807 |
| 2029 | 35,223,611 | 19,737,612 | 54,961,223 | 36,149,250 | 20,722,395 | 56,871,646 | 37,074,768 | 21,706,271 | 58,781,039 |
| 2030 | 35,714,462 | 20,142,051 | 55,856,513 | 36,678,573 | 21,164,828 | 57,843,401 | 37,642,692 | 22,188,405 | 59,831,096 |
| 2031 | 36,217,829 | 20,560,680 | 56,778,509 | 37,218,977 | 21,621,074 | 58,840,051 | 38,220,170 | 22,681,468 | 60,901,639 |
| 2032 | 36,884,126 | 21,075,465 | 57,959,592 | 37,925,187 | 22,175,594 | 60,100,781 | 38,966,416 | 23,276,120 | 62,242,536 |
| 2033 | 37,259,616 | 21,439,779 | 58,699,395 | 38,331,001 | 22,570,426 | 60,901,427 | 39,402,340 | 23,701,166 | 63,103,506 |
| 2034 | 37,799,768 | 21,900,786 | 59,700,553 | 38,904,552 | 23,064,886 | 61,969,437 | 40,009,662 | 24,230,058 | 64,239,720 |
| 2035 | 38,353,956 | 22,376,332 | 60,730,288 | 39,491,583 | 23,574,162 | 63,065,745 | 40,629,057 | 24,771,584 | 65,400,642 |
| 2036 | 39,077,474 | 22,953,640 | 62,031,114 | 40,251,396 | 24,187,519 | 64,438,915 | 41,425,049 | 25,422,006 | 66,847,054 |
| 2037 | 39,493,758 | 23,359,431 | 62,853,188 | 40,693,825 | 24,619,947 | 65,313,773 | 41,893,663 | 25,881,509 | 67,775,172 |

Annual Change

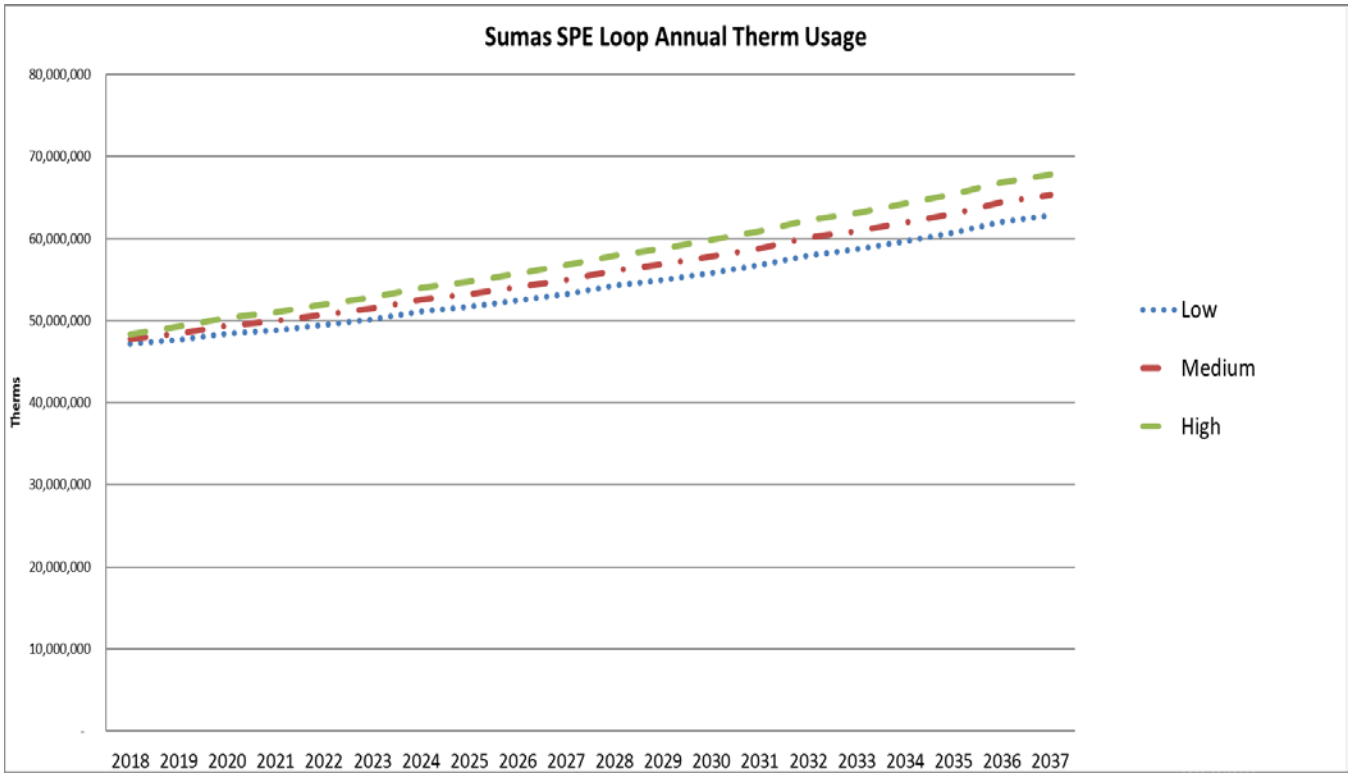
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 1.21% | 1.06% | 1.31% | 1.78% | 1.48% | 1.64% | 2.33% | 1.89% |
| 2020 | 1.48% | 1.78% | 1.59% | 1.75% | 2.23% | 1.92% | 2.01% | 2.64% | 2.23% |
| 2021 | 0.72% | 1.12% | 0.86% | 0.94% | 1.48% | 1.13% | 1.15% | 1.81% | 1.38% |
| 2022 | 1.18% | 1.61% | 1.33% | 1.36% | 1.91% | 1.55% | 1.54% | 2.19% | 1.77% |
| 2023 | 1.22% | 1.70% | 1.39% | 1.38% | 1.95% | 1.58% | 1.53% | 2.19% | 1.77% |
| 2024 | 1.68% | 2.17% | 1.85% | 1.82% | 2.39% | 2.02% | 1.95% | 2.59% | 2.18% |
| 2025 | 0.87% | 1.52% | 1.10% | 0.99% | 1.71% | 1.25% | 1.11% | 1.88% | 1.39% |
| 2026 | 1.31% | 1.90% | 1.52% | 1.42% | 2.06% | 1.65% | 1.52% | 2.21% | 1.77% |
| 2027 | 1.34% | 1.93% | 1.55% | 1.43% | 2.07% | 1.66% | 1.53% | 2.20% | 1.77% |
| 2028 | 1.76% | 2.36% | 1.97% | 1.85% | 2.48% | 2.08% | 1.93% | 2.60% | 2.17% |
| 2029 | 0.97% | 1.63% | 1.21% | 1.05% | 1.74% | 1.30% | 1.13% | 1.83% | 1.38% |
| 2030 | 1.39% | 2.05% | 1.63% | 1.46% | 2.14% | 1.71% | 1.53% | 2.22% | 1.79% |
| 2031 | 1.41% | 2.08% | 1.65% | 1.47% | 2.16% | 1.72% | 1.53% | 2.22% | 1.79% |
| 2032 | 1.84% | 2.50% | 2.08% | 1.90% | 2.56% | 2.14% | 1.95% | 2.62% | 2.20% |
| 2033 | 1.02% | 1.73% | 1.28% | 1.07% | 1.78% | 1.33% | 1.12% | 1.83% | 1.38% |
| 2034 | 1.45% | 2.15% | 1.71% | 1.50% | 2.19% | 1.75% | 1.54% | 2.23% | 1.80% |
| 2035 | 1.47% | 2.17% | 1.72% | 1.51% | 2.21% | 1.77% | 1.55% | 2.23% | 1.81% |
| 2036 | 1.89% | 2.58% | 2.14% | 1.92% | 2.60% | 2.18% | 1.96% | 2.63% | 2.21% |
| 2037 | 1.07% | 1.77% | 1.33% | 1.10% | 1.79% | 1.36% | 1.13% | 1.81% | 1.39% |

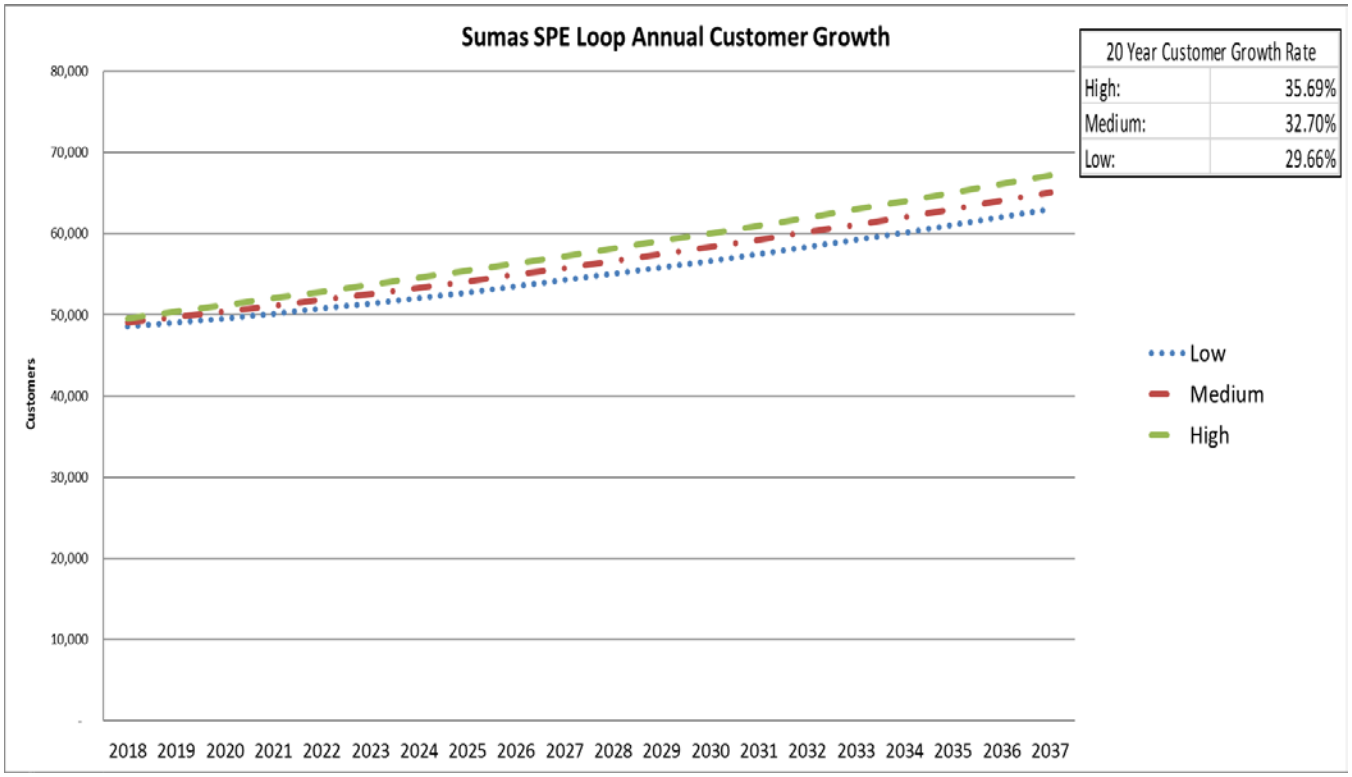
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 43,481 | 5,094 | 48,575 | 43,846 | 5,208 | 49,054 | 44,211 | 5,321 | 49,533 |
| 2019 | 43,908 | 5,149 | 49,057 | 44,422 | 5,295 | 49,717 | 44,937 | 5,441 | 50,378 |
| 2020 | 44,379 | 5,214 | 49,593 | 45,017 | 5,387 | 50,403 | 45,654 | 5,560 | 51,214 |
| 2021 | 44,884 | 5,287 | 50,171 | 45,627 | 5,483 | 51,110 | 46,369 | 5,679 | 52,047 |
| 2022 | 45,417 | 5,367 | 50,784 | 46,252 | 5,583 | 51,835 | 47,086 | 5,799 | 52,886 |
| 2023 | 45,974 | 5,453 | 51,427 | 46,892 | 5,688 | 52,580 | 47,810 | 5,923 | 53,733 |
| 2024 | 46,554 | 5,545 | 52,099 | 47,548 | 5,797 | 53,345 | 48,541 | 6,050 | 54,591 |
| 2025 | 47,154 | 5,643 | 52,797 | 48,218 | 5,912 | 54,130 | 49,283 | 6,180 | 55,463 |
| 2026 | 47,773 | 5,746 | 53,519 | 48,904 | 6,030 | 54,934 | 50,035 | 6,314 | 56,348 |
| 2027 | 48,412 | 5,854 | 54,266 | 49,606 | 6,152 | 55,757 | 50,799 | 6,450 | 57,249 |
| 2028 | 49,070 | 5,966 | 55,036 | 50,323 | 6,279 | 56,601 | 51,576 | 6,591 | 58,167 |
| 2029 | 49,746 | 6,084 | 55,830 | 51,056 | 6,410 | 57,465 | 52,365 | 6,735 | 59,100 |
| 2030 | 50,440 | 6,207 | 56,647 | 51,804 | 6,545 | 58,349 | 53,168 | 6,883 | 60,052 |
| 2031 | 51,152 | 6,334 | 57,486 | 52,569 | 6,685 | 59,253 | 53,985 | 7,035 | 61,020 |
| 2032 | 51,882 | 6,466 | 58,348 | 53,349 | 6,829 | 60,177 | 54,816 | 7,191 | 62,007 |
| 2033 | 52,629 | 6,603 | 59,232 | 54,144 | 6,977 | 61,121 | 55,660 | 7,351 | 63,011 |
| 2034 | 53,393 | 6,744 | 60,137 | 54,956 | 7,129 | 62,085 | 56,519 | 7,514 | 64,033 |
| 2035 | 54,173 | 6,890 | 61,063 | 55,783 | 7,286 | 63,069 | 57,392 | 7,682 | 65,073 |
| 2036 | 54,971 | 7,041 | 62,012 | 56,625 | 7,447 | 64,072 | 58,279 | 7,853 | 66,132 |
| 2037 | 55,785 | 7,195 | 62,981 | 57,483 | 7,612 | 65,095 | 59,180 | 8,029 | 67,209 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 1.07% | 0.99% | 1.31% | 1.68% | 1.35% | 1.64% | 2.26% | 1.71% |
| 2020 | 1.07% | 1.27% | 1.09% | 1.34% | 1.73% | 1.38% | 1.60% | 2.17% | 1.66% |
| 2021 | 1.14% | 1.40% | 1.17% | 1.36% | 1.78% | 1.40% | 1.57% | 2.14% | 1.63% |
| 2022 | 1.19% | 1.52% | 1.22% | 1.37% | 1.83% | 1.42% | 1.55% | 2.13% | 1.61% |
| 2023 | 1.23% | 1.60% | 1.27% | 1.38% | 1.88% | 1.44% | 1.54% | 2.13% | 1.60% |
| 2024 | 1.26% | 1.68% | 1.31% | 1.40% | 1.92% | 1.45% | 1.53% | 2.14% | 1.60% |
| 2025 | 1.29% | 1.77% | 1.34% | 1.41% | 1.98% | 1.47% | 1.53% | 2.16% | 1.60% |
| 2026 | 1.31% | 1.82% | 1.37% | 1.42% | 2.00% | 1.49% | 1.53% | 2.16% | 1.60% |
| 2027 | 1.34% | 1.87% | 1.39% | 1.43% | 2.03% | 1.50% | 1.53% | 2.17% | 1.60% |
| 2028 | 1.36% | 1.93% | 1.42% | 1.45% | 2.06% | 1.51% | 1.53% | 2.18% | 1.60% |
| 2029 | 1.38% | 1.98% | 1.44% | 1.46% | 2.09% | 1.53% | 1.53% | 2.19% | 1.61% |
| 2030 | 1.40% | 2.01% | 1.46% | 1.47% | 2.11% | 1.54% | 1.53% | 2.20% | 1.61% |
| 2031 | 1.41% | 2.05% | 1.48% | 1.48% | 2.13% | 1.55% | 1.54% | 2.21% | 1.61% |
| 2032 | 1.43% | 2.09% | 1.50% | 1.48% | 2.15% | 1.56% | 1.54% | 2.21% | 1.62% |
| 2033 | 1.44% | 2.11% | 1.51% | 1.49% | 2.17% | 1.57% | 1.54% | 2.22% | 1.62% |
| 2034 | 1.45% | 2.14% | 1.53% | 1.50% | 2.18% | 1.58% | 1.54% | 2.23% | 1.62% |
| 2035 | 1.46% | 2.16% | 1.54% | 1.50% | 2.20% | 1.58% | 1.54% | 2.23% | 1.62% |
| 2036 | 1.47% | 2.18% | 1.55% | 1.51% | 2.21% | 1.59% | 1.55% | 2.23% | 1.63% |
| 2037 | 1.48% | 2.20% | 1.56% | 1.51% | 2.22% | 1.60% | 1.55% | 2.24% | 1.63% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.69% |
| Medium: | 32.70% |
| Low: | 29.66% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

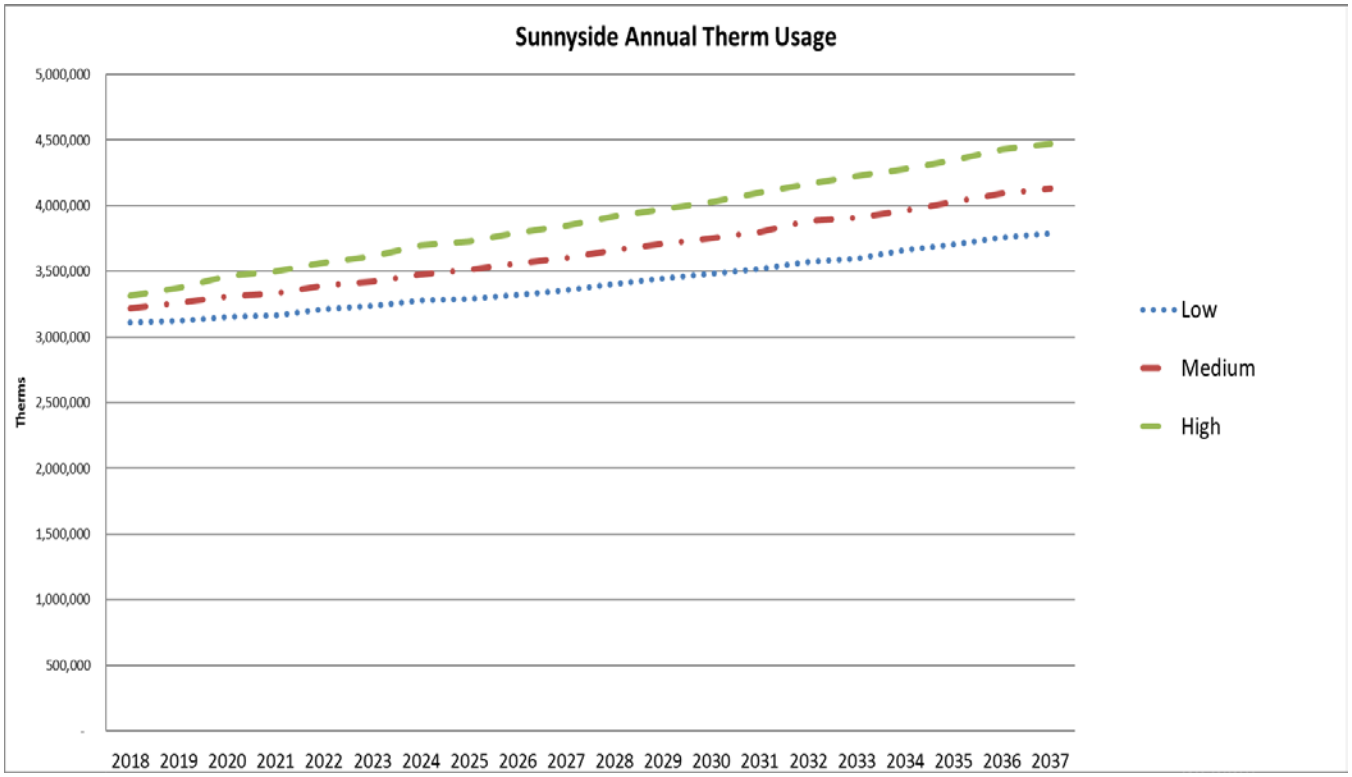
## Sunnyside

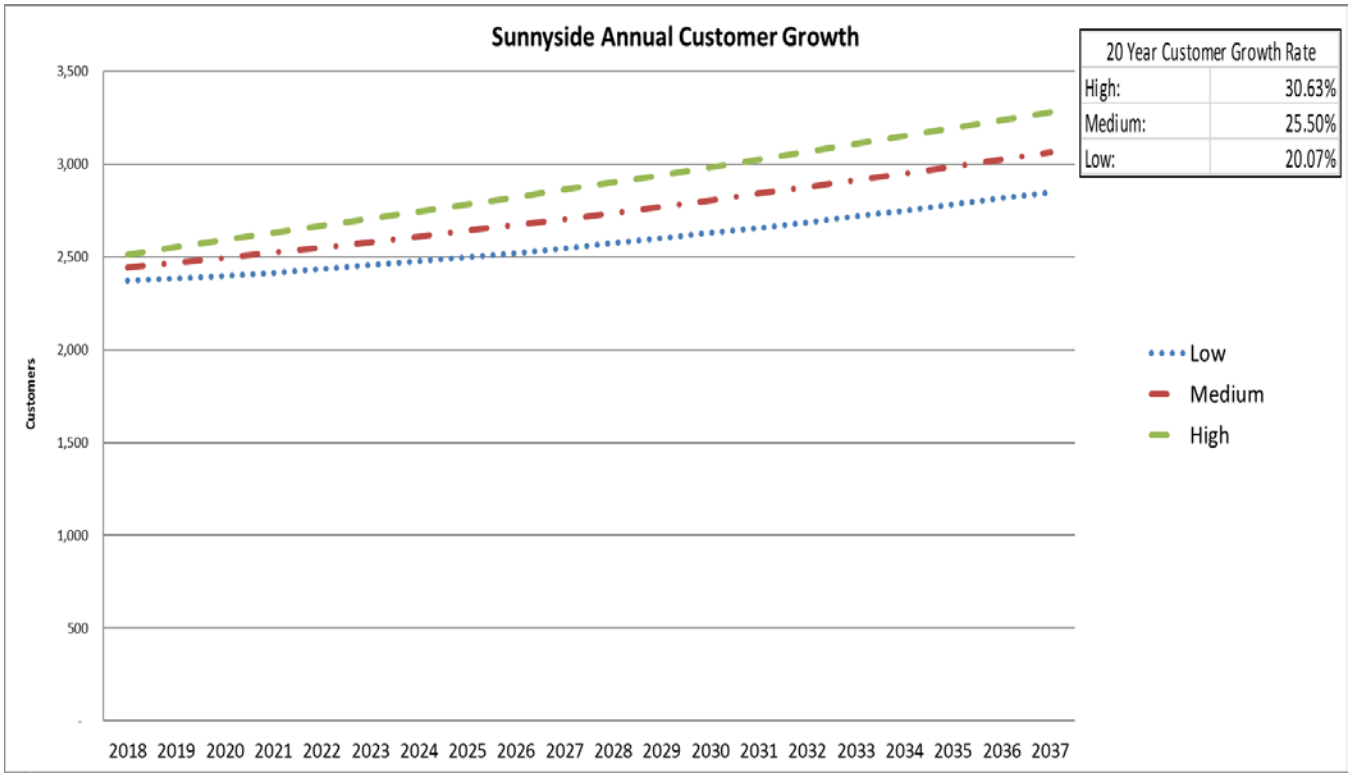
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,103,549 | 1,006,230 | 3,109,779 | 2,171,786 | 1,044,924 | 3,216,710 | 2,213,314 | 1,104,826 | 3,318,140 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,115,290 | 1,009,774 | 3,125,064 | 2,190,711 | 1,073,568 | 3,264,279 | 2,259,908 | 1,117,366 | 3,377,275 | 0.56% | 0.35% | 0.49% | 0.87% | 2.74% | 1.48% | 2.11% | 1.14% | 1.78% |
| 2020 | 2,141,608 | 1,014,703 | 3,156,311 | 2,228,609 | 1,082,390 | 3,311,000 | 2,314,670 | 1,150,077 | 3,464,747 | 1.24% | 0.49% | 1.00% | 1.73% | 0.82% | 1.43% | 2.42% | 2.93% | 2.59% |
| 2021 | 2,148,328 | 1,019,893 | 3,168,221 | 2,241,353 | 1,091,386 | 3,332,738 | 2,336,484 | 1,161,843 | 3,498,326 | 0.31% | 0.51% | 0.38% | 0.57% | 0.83% | 0.66% | 0.94% | 1.02% | 0.97% |
| 2022 | 2,185,189 | 1,026,294 | 3,211,483 | 2,268,979 | 1,121,589 | 3,390,568 | 2,373,063 | 1,194,815 | 3,567,878 | 1.72% | 0.63% | 1.37% | 1.23% | 2.77% | 1.74% | 1.57% | 2.84% | 1.99% |
| 2023 | 2,184,228 | 1,053,902 | 3,238,130 | 2,294,580 | 1,130,759 | 3,425,339 | 2,405,532 | 1,206,667 | 3,612,199 | -0.04% | 2.69% | 0.83% | 1.13% | 0.82% | 1.03% | 1.37% | 0.99% | 1.24% |
| 2024 | 2,217,835 | 1,061,513 | 3,279,347 | 2,336,381 | 1,140,016 | 3,476,398 | 2,456,818 | 1,239,552 | 3,696,371 | 1.54% | 0.72% | 1.27% | 1.82% | 0.82% | 1.49% | 2.13% | 2.73% | 2.33% |
| 2025 | 2,224,659 | 1,069,124 | 3,293,783 | 2,361,372 | 1,150,223 | 3,511,594 | 2,479,052 | 1,252,441 | 3,731,493 | 0.31% | 0.72% | 0.44% | 1.07% | 0.90% | 1.01% | 0.90% | 1.04% | 0.95% |
| 2026 | 2,245,133 | 1,077,946 | 3,323,079 | 2,381,752 | 1,181,723 | 3,563,475 | 2,509,973 | 1,285,413 | 3,795,386 | 0.92% | 0.83% | 0.89% | 0.86% | 2.74% | 1.48% | 1.25% | 2.63% | 1.71% |
| 2027 | 2,269,464 | 1,085,731 | 3,355,195 | 2,410,614 | 1,192,016 | 3,602,631 | 2,552,868 | 1,298,302 | 3,851,170 | 1.08% | 0.72% | 0.97% | 1.21% | 0.87% | 1.10% | 1.71% | 1.00% | 1.47% |
| 2028 | 2,309,824 | 1,094,640 | 3,404,464 | 2,459,615 | 1,202,484 | 3,662,099 | 2,610,171 | 1,311,278 | 3,921,448 | 1.78% | 0.82% | 1.47% | 2.03% | 0.88% | 1.65% | 2.24% | 1.00% | 1.82% |
| 2029 | 2,323,438 | 1,124,756 | 3,448,193 | 2,476,241 | 1,235,021 | 3,711,261 | 2,629,443 | 1,345,373 | 3,974,816 | 0.59% | 2.75% | 1.28% | 0.68% | 2.71% | 1.34% | 0.74% | 2.60% | 1.36% |
| 2030 | 2,348,406 | 1,134,788 | 3,483,193 | 2,506,999 | 1,246,612 | 3,753,611 | 2,668,546 | 1,358,349 | 4,026,895 | 1.07% | 0.89% | 1.02% | 1.24% | 0.94% | 1.14% | 1.49% | 0.96% | 1.31% |
| 2031 | 2,375,243 | 1,144,994 | 3,520,236 | 2,541,629 | 1,258,203 | 3,799,832 | 2,707,157 | 1,392,445 | 4,099,602 | 1.14% | 0.90% | 1.06% | 1.38% | 0.93% | 1.23% | 1.45% | 2.51% | 1.81% |
| 2032 | 2,417,423 | 1,155,113 | 3,572,536 | 2,593,248 | 1,290,914 | 3,884,162 | 2,761,698 | 1,406,544 | 4,168,242 | 1.78% | 0.88% | 1.49% | 2.03% | 2.60% | 2.22% | 2.01% | 1.01% | 1.67% |
| 2033 | 2,433,321 | 1,165,407 | 3,598,727 | 2,608,031 | 1,303,628 | 3,911,659 | 2,784,296 | 1,440,813 | 4,225,109 | 0.66% | 0.89% | 0.73% | 0.57% | 0.98% | 0.71% | 0.82% | 2.44% | 1.36% |
| 2034 | 2,465,664 | 1,196,820 | 3,662,484 | 2,645,309 | 1,315,306 | 3,960,615 | 2,825,077 | 1,454,912 | 4,279,990 | 1.33% | 2.70% | 1.77% | 1.43% | 0.90% | 1.25% | 1.46% | 0.98% | 1.30% |
| 2035 | 2,495,298 | 1,208,149 | 3,703,447 | 2,682,620 | 1,349,140 | 4,031,761 | 2,875,386 | 1,469,099 | 4,344,485 | 1.20% | 0.95% | 1.12% | 1.41% | 2.57% | 1.80% | 1.78% | 0.98% | 1.51% |
| 2036 | 2,541,408 | 1,219,566 | 3,760,974 | 2,734,316 | 1,361,942 | 4,096,258 | 2,927,342 | 1,504,405 | 4,431,746 | 1.85% | 0.94% | 1.55% | 1.93% | 0.95% | 1.60% | 1.81% | 2.40% | 2.01% |
| 2037 | 2,560,094 | 1,231,070 | 3,791,164 | 2,755,793 | 1,374,830 | 4,130,624 | 2,951,048 | 1,518,591 | 4,469,639 | 0.74% | 0.94% | 0.80% | 0.79% | 0.95% | 0.84% | 0.81% | 0.94% | 0.86% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 2,757 | 30,429 | 33,186 | 2,863 | 30,831 | 33,694 | 3,027 | 31,180 | 34,207 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,767 | 30,770 | 33,537 | 2,941 | 31,109 | 34,051 | 3,061 | 31,508 | 34,569 | 0.35% | 1.12% | 1.06% | 2.74% | 0.90% | 1.06% | 1.14% | 1.05% | 1.06% |
| 2020 | 2,780 | 31,069 | 33,849 | 2,965 | 31,403 | 34,368 | 3,151 | 31,741 | 34,892 | 0.49% | 0.97% | 0.93% | 0.82% | 0.94% | 0.93% | 2.93% | 0.74% | 0.93% |
| 2021 | 2,794 | 31,406 | 34,201 | 2,990 | 31,735 | 34,725 | 3,183 | 32,070 | 35,254 | 0.51% | 1.08% | 1.04% | 0.83% | 1.06% | 1.04% | 1.02% | 1.04% | 1.04% |
| 2022 | 2,812 | 31,960 | 34,772 | 3,073 | 32,232 | 35,305 | 3,273 | 32,569 | 35,842 | 0.63% | 1.76% | 1.67% | 2.77% | 1.57% | 1.67% | 2.84% | 1.55% | 1.67% |
| 2023 | 2,887 | 32,274 | 35,161 | 3,098 | 32,602 | 35,700 | 3,306 | 32,938 | 36,244 | 2.69% | 0.98% | 1.12% | 0.82% | 1.15% | 1.12% | 0.99% | 1.13% | 1.12% |
| 2024 | 2,908 | 32,623 | 35,531 | 3,123 | 32,953 | 36,076 | 3,396 | 33,229 | 36,625 | 0.72% | 1.08% | 1.05% | 0.82% | 1.07% | 1.05% | 2.73% | 0.88% | 1.05% |
| 2025 | 2,929 | 33,212 | 36,141 | 3,151 | 33,544 | 36,695 | 3,431 | 33,822 | 37,254 | 0.72% | 1.80% | 1.72% | 0.90% | 1.79% | 1.72% | 1.04% | 1.78% | 1.72% |
| 2026 | 2,953 | 33,596 | 36,550 | 3,238 | 33,872 | 37,110 | 3,522 | 34,153 | 37,675 | 0.83% | 1.16% | 1.13% | 2.74% | 0.98% | 1.13% | 2.63% | 0.98% | 1.13% |
| 2027 | 2,975 | 33,983 | 36,958 | 3,266 | 34,259 | 37,525 | 3,557 | 34,539 | 38,096 | 0.72% | 1.15% | 1.12% | 0.87% | 1.14% | 1.12% | 1.00% | 1.13% | 1.12% |
| 2028 | 2,999 | 34,400 | 37,399 | 3,294 | 34,678 | 37,972 | 3,593 | 34,958 | 38,550 | 0.82% | 1.23% | 1.19% | 0.88% | 1.22% | 1.19% | 1.00% | 1.21% | 1.19% |
| 2029 | 3,082 | 34,946 | 38,027 | 3,384 | 35,226 | 38,610 | 3,686 | 35,512 | 39,198 | 2.75% | 1.59% | 1.68% | 2.71% | 1.58% | 1.68% | 2.60% | 1.59% | 1.68% |
| 2030 | 3,109 | 35,365 | 38,474 | 3,415 | 35,649 | 39,064 | 3,722 | 35,937 | 39,659 | 0.89% | 1.20% | 1.18% | 0.94% | 1.20% | 1.18% | 0.96% | 1.20% | 1.18% |
| 2031 | 3,137 | 35,791 | 38,928 | 3,447 | 36,077 | 39,524 | 3,815 | 36,311 | 40,126 | 0.90% | 1.20% | 1.18% | 0.93% | 1.20% | 1.18% | 2.51% | 1.04% | 1.18% |
| 2032 | 3,165 | 36,468 | 39,633 | 3,537 | 36,704 | 40,240 | 3,854 | 37,000 | 40,853 | 0.88% | 1.89% | 1.81% | 2.60% | 1.74% | 1.81% | 1.01% | 1.90% | 1.81% |
| 2033 | 3,193 | 36,900 | 40,093 | 3,572 | 37,135 | 40,707 | 3,947 | 37,379 | 41,327 | 0.89% | 1.18% | 1.16% | 0.98% | 1.18% | 1.16% | 2.44% | 1.03% | 1.16% |
| 2034 | 3,279 | 37,305 | 40,584 | 3,604 | 37,603 | 41,206 | 3,986 | 37,848 | 41,834 | 2.70% | 1.10% | 1.23% | 0.90% | 1.26% | 1.23% | 0.98% | 1.25% | 1.23% |
| 2035 | 3,310 | 37,986 | 41,296 | 3,696 | 38,233 | 41,929 | 4,025 | 38,542 | 42,567 | 0.95% | 1.82% | 1.75% | 2.57% | 1.68% | 1.75% | 0.98% | 1.84% | 1.75% |
| 2036 | 3,341 | 38,453 | 41,794 | 3,731 | 38,703 | 42,435 | 4,122 | 38,959 | 43,081 | 0.94% | 1.23% | 1.21% | 0.95% | 1.23% | 1.21% | 2.40% | 1.08% | 1.21% |
| 2037 | 3,373 | 38,919 | 42,292 | 3,767 | 39,174 | 42,940 | 4,161 | 39,434 | 43,594 | 0.94% | 1.21% | 1.19% | 0.95% | 1.22% | 1.19% | 0.94% | 1.22% | 1.19% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,044,523 | 2,065,256 | 3,109,779 | 1,075,639 | 2,141,072 | 3,216,710 | 1,106,567 | 2,211,573 | 3,318,140 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,049,961 | 2,075,103 | 3,125,064 | 1,087,659 | 2,176,620 | 3,264,279 | 1,125,544 | 2,251,730 | 3,377,275 | 0.52% | 0.48% | 0.49% | 1.12% | 1.66% | 1.48% | 1.71% | 1.82% | 1.78% |
| 2020 | 1,060,950 | 2,095,361 | 3,156,311 | 1,104,376 | 2,206,623 | 3,311,000 | 1,147,676 | 2,317,071 | 3,464,747 | 1.05% | 0.98% | 1.00% | 1.54% | 1.38% | 1.43% | 1.97% | 2.90% | 2.59% |
| 2021 | 1,063,021 | 2,105,201 | 3,168,221 | 1,110,879 | 2,221,859 | 3,332,738 | 1,158,814 | 2,339,513 | 3,498,326 | 0.20% | 0.47% | 0.38% | 0.59% | 0.69% | 0.66% | 0.97% | 0.97% | 0.97% |
| 2022 | 1,070,481 | 2,141,002 | 3,211,483 | 1,122,495 | 2,268,072 | 3,390,568 | 1,174,598 | 2,393,279 | 3,567,878 | 0.70% | 1.70% | 1.37% | 1.05% | 2.08% | 1.74% | 1.36% | 2.30% | 1.99% |
| 2023 | 1,078,623 | 2,159,507 | 3,238,130 | 1,134,471 | 2,290,868 | 3,425,339 | 1,190,466 | 2,421,733 | 3,612,199 | 0.76% | 0.86% | 0.83% | 1.07% | 1.01% | 1.03% | 1.35% | 1.19% | 1.24% |
| 2024 | 1,092,383 | 2,186,964 | 3,279,347 | 1,152,297 | 2,324,100 | 3,476,398 | 1,212,074 | 2,484,296 | 3,696,371 | 1.28% | 1.27% | 1.27% | 1.57% | 1.45% | 1.49% | 1.82% | 2.58% | 2.33% |
| 2025 | 1,096,662 | 2,197,120 | 3,293,783 | 1,159,835 | 2,351,760 | 3,511,594 | 1,222,824 | 2,508,669 | 3,731,493 | 0.39% | 0.46% | 0.44% | 0.65% | 1.19% | 1.01% | 0.89% | 0.98% | 0.95% |
| 2026 | 1,106,428 | 2,216,651 | 3,323,079 | 1,172,778 | 2,390,697 | 3,563,475 | 1,239,120 | 2,556,266 | 3,795,386 | 0.89% | 0.89% | 0.89% | 1.12% | 1.66% | 1.48% | 1.33% | 1.90% | 1.71% |
| 2027 | 1,116,788 | 2,238,407 | 3,355,195 | 1,186,056 | 2,416,575 | 3,602,631 | 1,255,562 | 2,595,607 | 3,851,170 | 0.94% | 0.98% | 0.97% | 1.13% | 1.08% | 1.10% | 1.33% | 1.54% | 1.47% |
| 2028 | 1,132,136 | 2,272,327 | 3,404,464 | 1,204,971 | 2,457,128 | 3,662,099 | 1,277,506 | 2,643,942 | 3,921,448 | 1.37% | 1.52% | 1.47% | 1.59% | 1.68% | 1.65% | 1.75% | 1.86% | 1.82% |
| 2029 | 1,138,405 | 2,309,788 | 3,448,193 | 1,213,670 | 2,497,592 | 3,711,261 | 1,288,892 | 2,685,925 | 3,974,816 | 0.55% | 1.65% | 1.28% | 0.72% | 1.65% | 1.34% | 0.89% | 1.59% | 1.36% |
| 2030 | 1,149,903 | 2,333,290 | 3,483,193 | 1,227,814 | 2,525,797 | 3,753,611 | 1,305,914 | 2,720,981 | 4,026,895 | 1.01% | 1.02% | 1.02% | 1.17% | 1.13% | 1.14% | 1.32% | 1.31% | 1.31% |
| 2031 | 1,161,889 | 2,358,347 | 3,520,236 | 1,242,437 | 2,557,395 | 3,799,832 | 1,322,949 | 2,776,652 | 4,099,602 | 1.04% | 1.07% | 1.06% | 1.19% | 1.25% | 1.23% | 1.30% | 2.05% | 1.81% |
| 2032 | 1,179,304 | 2,393,231 | 3,572,536 | 1,262,899 | 2,621,263 | 3,884,162 | 1,346,385 | 2,821,857 | 4,168,242 | 1.50% | 1.48% | 1.49% | 1.65% | 2.50% | 2.22% | 1.77% | 1.63% | 1.67% |
| 2033 | 1,186,245 | 2,412,482 | 3,598,727 | 1,271,960 | 2,639,699 | 3,911,659 | 1,357,760 | 2,867,349 | 4,225,109 | 0.59% | 0.80% | 0.73% | 0.72% | 0.70% | 0.71% | 0.84% | 1.61% | 1.36% |
| 2034 | 1,199,219 | 2,463,265 | 3,662,484 | 1,287,219 | 2,673,396 | 3,960,615 | 1,375,531 | 2,904,459 | 4,279,990 | 1.09% | 2.10% | 1.77% | 1.20% | 1.28% | 1.25% | 1.31% | 1.29% | 1.30% |
| 2035 | 1,212,488 | 2,490,960 | 3,703,447 | 1,302,990 | 2,728,770 | 4,031,761 | 1,393,593 | 2,950,891 | 4,344,485 | 1.11% | 1.12% | 1.12% | 1.23% | 2.07% | 1.80% | 1.31% | 1.60% | 1.51% |
| 2036 | 1,231,419 | 2,529,555 | 3,760,974 | 1,324,812 | 2,771,445 | 4,096,258 | 1,418,023 | 3,013,723 | 4,431,746 | 1.56% | 1.55% | 1.55% | 1.67% | 1.56% | 1.60% | 1.75% | 2.13% | 2.01% |
| 2037 | 1,239,717 | 2,551,447 | 3,791,164 | 1,334,750 | 2,795,873 | 4,130,624 | 1,429,831 | 3,039,808 | 4,469,639 | 0.67% | 0.87% | 0.80% | 0.75% | 0.88% | 0.84% | 0.83% | 0.87% | 0.86% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,834 | 538 | 2,372 | 1,891 | 551 | 2,442 | 1,947 | 564 | 2,511 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,843 | 541 | 2,384 | 1,910 | 558 | 2,468 | 1,978 | 574 | 2,552 | 0.46% | 0.56% | 0.48% | 1.03% | 1.24% | 1.08% | 1.59% | 1.77% | 1.63% |
| 2020 | 1,854 | 545 | 2,398 | 1,930 | 565 | 2,495 | 2,007 | 585 | 2,592 | 0.58% | 0.71% | 0.61% | 1.06% | 1.19% | 1.09% | 1.48% | 1.78% | 1.55% |
| 2021 | 1,866 | 549 | 2,415 | 1,951 | 571 | 2,522 | 2,036 | 594 | 2,630 | 0.67% | 0.83% | 0.70% | 1.07% | 1.18% | 1.09% | 1.44% | 1.57% | 1.47% |
| 2022 | 1,879 | 555 | 2,434 | 1,972 | 580 | 2,552 | 2,065 | 604 | 2,669 | 0.73% | 1.02% | 0.79% | 1.08% | 1.41% | 1.16% | 1.40% | 1.73% | 1.48% |
| 2023 | 1,894 | 560 | 2,455 | 1,994 | 587 | 2,580 | 2,093 | 613 | 2,706 | 0.78% | 0.98% | 0.83% | 1.09% | 1.25% | 1.13% | 1.38% | 1.50% | 1.41% |
| 2024 | 1,910 | 566 | 2,476 | 2,016 | 594 | 2,610 | 2,122 | 623 | 2,745 | 0.82% | 1.03% | 0.87% | 1.12% | 1.26% | 1.15% | 1.36% | 1.64% | 1.43% |
| 2025 | 1,926 | 572 | 2,498 | 2,038 | 602 | 2,641 | 2,150 | 633 | 2,783 | 0.86% | 1.07% | 0.91% | 1.12% | 1.39% | 1.18% | 1.36% | 1.56% | 1.40% |
| 2026 | 1,944 | 578 | 2,522 | 2,062 | 611 | 2,672 | 2,179 | 643 | 2,822 | 0.90% | 1.08% | 0.94% | 1.13% | 1.38% | 1.19% | 1.34% | 1.59% | 1.40% |
| 2027 | 1,962 | 585 | 2,547 | 2,085 | 619 | 2,704 | 2,209 | 653 | 2,861 | 0.94% | 1.18% | 1.00% | 1.14% | 1.34% | 1.18% | 1.34% | 1.54% | 1.39% |
| 2028 | 1,981 | 592 | 2,573 | 2,109 | 628 | 2,737 | 2,238 | 663 | 2,901 | 0.96% | 1.21% | 1.02% | 1.18% | 1.40% | 1.23% | 1.33% | 1.57% | 1.39% |
| 2029 | 2,000 | 600 | 2,601 | 2,134 | 637 | 2,771 | 2,268 | 674 | 2,942 | 0.99% | 1.35% | 1.07% | 1.17% | 1.50% | 1.25% | 1.33% | 1.62% | 1.40% |
| 2030 | 2,021 | 608 | 2,629 | 2,159 | 646 | 2,805 | 2,298 | 684 | 2,982 | 1.02% | 1.25% | 1.08% | 1.18% | 1.40% | 1.23% | 1.33% | 1.51% | 1.37% |
| 2031 | 2,042 | 616 | 2,658 | 2,185 | 655 | 2,840 | 2,328 | 695 | 3,023 | 1.05% | 1.30% | 1.11% | 1.20% | 1.41% | 1.25% | 1.32% | 1.62% | 1.39% |
| 2032 | 2,063 | 624 | 2,687 | 2,211 | 665 | 2,877 | 2,359 | 706 | 3,065 | 1.05% | 1.30% | 1.11% | 1.20% | 1.55% | 1.28% | 1.33% | 1.53% | 1.38% |
| 2033 | 2,086 | 632 | 2,718 | 2,238 | 675 | 2,913 | 2,390 | 717 | 3,108 | 1.07% | 1.34% | 1.14% | 1.20% | 1.42% | 1.25% | 1.32% | 1.63% | 1.39% |
| 2034 | 2,109 | 641 | 2,750 | 2,265 | 684 | 2,949 | 2,422 | 728 | 3,150 | 1.11% | 1.48% | 1.19% | 1.21% | 1.43% | 1.26% | 1.31% | 1.50% | 1.36% |
| 2035 | 2,132 | 650 | 2,782 | 2,293 | 695 | 2,988 | 2,454 | 740 | 3,193 | 1.10% | 1.36% | 1.16% | 1.22% | 1.57% | 1.30% | 1.31% | 1.58% | 1.38% |
| 2036 | 2,156 | 659 | 2,815 | 2,321 | 705 | 3,026 | 2,486 | 751 | 3,237 | 1.12% | 1.38% | 1.18% | 1.22% | 1.44% | 1.27% | 1.31% | 1.57% | 1.37% |
| 2037 | 2,180 | 668 | 2,849 | 2,349 | 715 | 3,065 | 2,518 | 762 | 3,280 | 1.14% | 1.39% | 1.20% | 1.22% | 1.47% | 1.28% | 1.29% | 1.49% | 1.34% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.63% |
| Medium: | 25.50% |
| Low: | 20.07% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

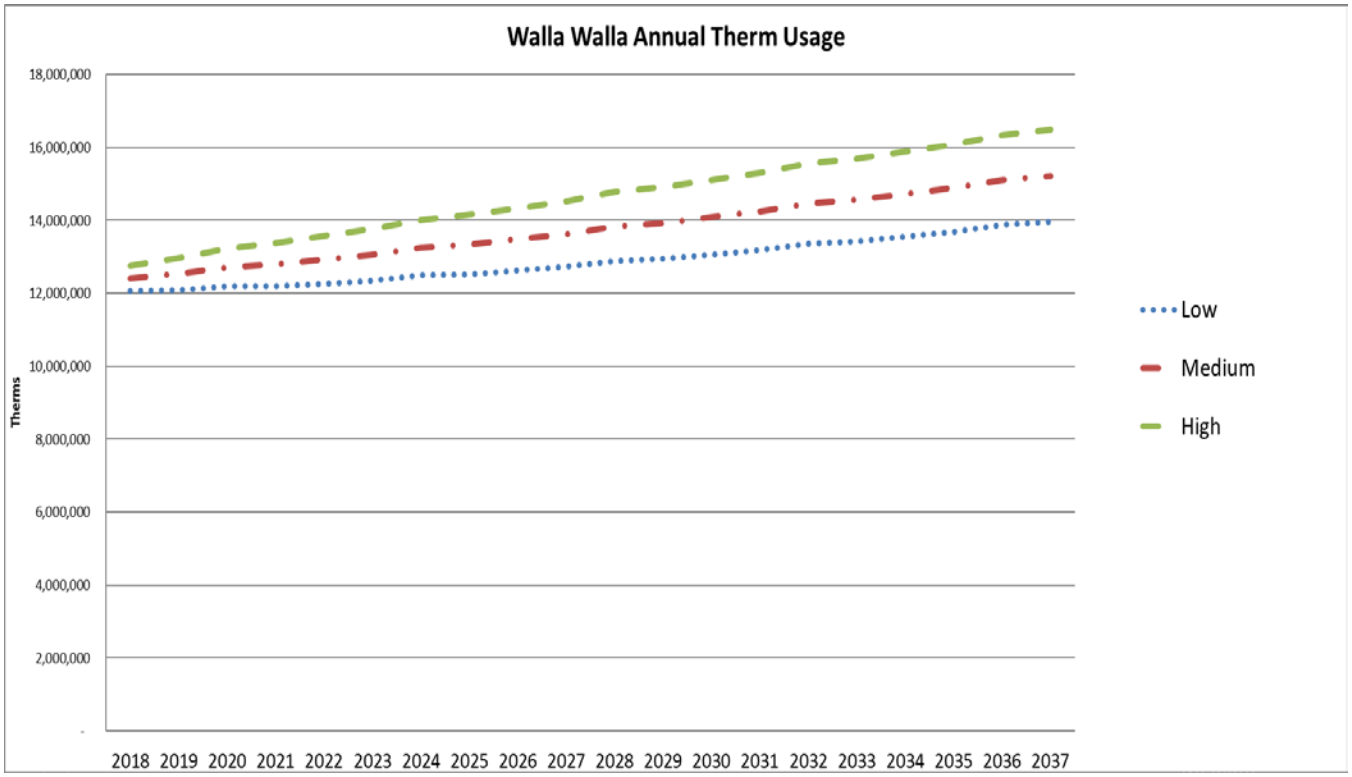
## Walla Walla

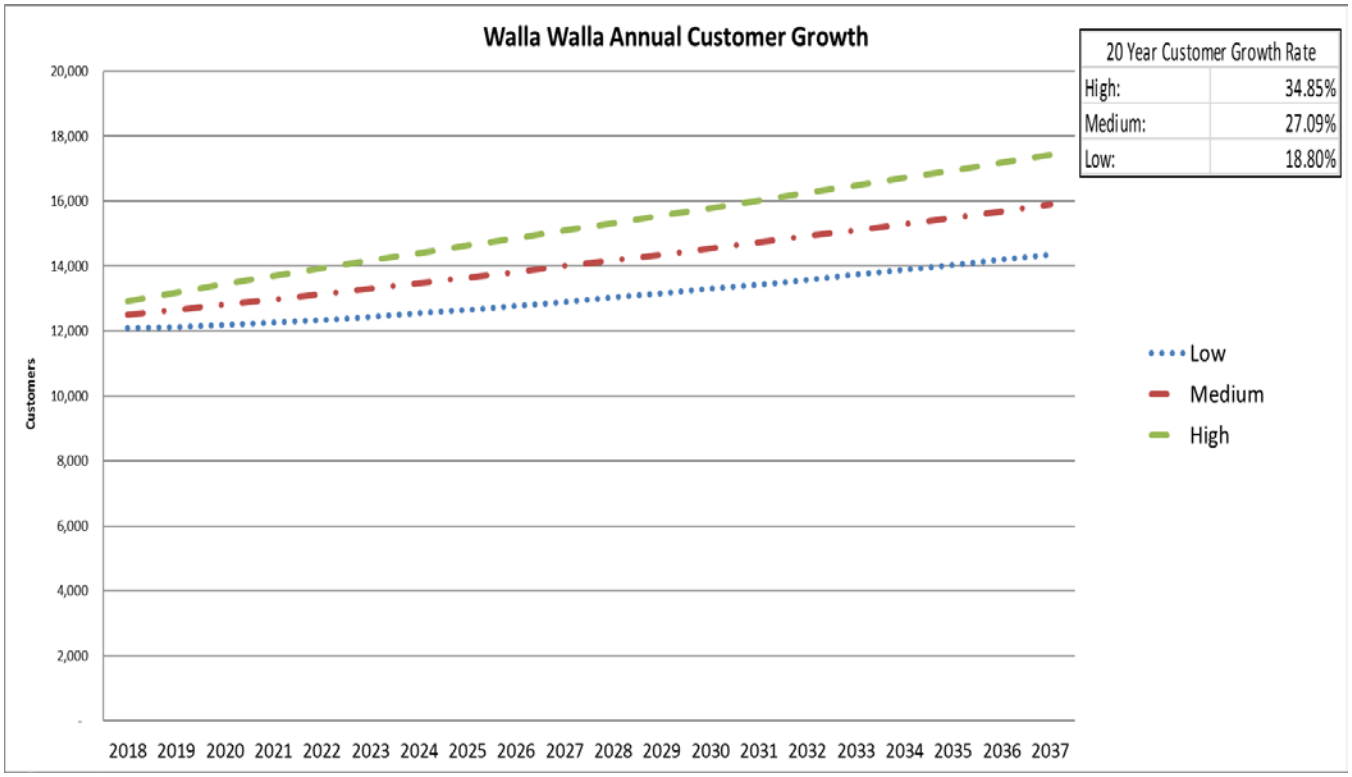
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,370,289 | 3,695,940 | 12,066,229 | 8,611,813 | 3,794,781 | 12,406,594 | 8,852,922 | 3,893,485 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,388,317 | 3,703,370 | 12,091,686 | 8,702,724 | 3,828,820 | 12,531,544 | 9,017,172 | 3,954,269 | 12,971,441 | 0.22% | 0.20% | 0.21% | 1.06% | 0.90% | 1.01% | 1.86% | 1.56% | 1.77% |
| 2020 | 8,470,864 | 3,717,010 | 12,187,874 | 8,845,737 | 3,864,243 | 12,709,980 | 9,220,941 | 4,011,476 | 13,232,418 | 0.98% | 0.37% | 0.80% | 1.64% | 0.93% | 1.42% | 2.26% | 1.45% | 2.01% |
| 2021 | 8,465,463 | 3,734,653 | 12,200,116 | 8,889,078 | 3,899,941 | 12,789,019 | 9,312,795 | 4,066,476 | 13,379,271 | -0.06% | 0.47% | 0.10% | 0.49% | 0.92% | 0.62% | 1.00% | 1.37% | 1.11% |
| 2022 | 8,515,303 | 3,754,641 | 12,269,944 | 8,984,931 | 3,937,160 | 12,922,091 | 9,454,886 | 4,119,543 | 13,574,430 | 0.59% | 0.54% | 0.57% | 1.08% | 0.95% | 1.04% | 1.53% | 1.30% | 1.46% |
| 2023 | 8,572,420 | 3,776,972 | 12,349,392 | 9,083,266 | 3,974,654 | 13,057,920 | 9,593,349 | 4,173,309 | 13,766,659 | 0.67% | 0.59% | 0.65% | 1.09% | 0.95% | 1.05% | 1.46% | 1.31% | 1.42% |
| 2024 | 8,685,500 | 3,801,237 | 12,486,737 | 9,237,488 | 4,013,395 | 13,250,884 | 9,789,285 | 4,225,554 | 14,014,839 | 1.32% | 0.64% | 1.11% | 1.70% | 0.97% | 1.48% | 2.04% | 1.25% | 1.80% |
| 2025 | 8,701,950 | 3,826,324 | 12,528,274 | 9,286,052 | 4,052,548 | 13,338,600 | 9,869,655 | 4,278,772 | 14,148,427 | 0.19% | 0.66% | 0.33% | 0.53% | 0.98% | 0.66% | 0.82% | 1.26% | 0.95% |
| 2026 | 8,771,669 | 3,854,318 | 12,625,987 | 9,388,960 | 4,093,085 | 13,482,046 | 10,007,667 | 4,331,715 | 14,339,382 | 0.80% | 0.73% | 0.78% | 1.11% | 1.00% | 1.08% | 1.40% | 1.24% | 1.35% |
| 2027 | 8,845,493 | 3,882,997 | 12,728,490 | 9,494,932 | 4,133,897 | 13,628,829 | 10,145,619 | 4,383,686 | 14,529,304 | 0.84% | 0.74% | 0.81% | 1.13% | 1.00% | 1.09% | 1.38% | 1.20% | 1.32% |
| 2028 | 8,973,522 | 3,912,224 | 12,885,747 | 9,657,007 | 4,174,982 | 13,831,989 | 10,341,610 | 4,436,492 | 14,778,102 | 1.45% | 0.75% | 1.24% | 1.71% | 0.99% | 1.49% | 1.93% | 1.20% | 1.71% |
| 2029 | 9,002,526 | 3,944,221 | 12,946,748 | 9,712,180 | 4,217,453 | 13,929,633 | 10,421,260 | 4,490,547 | 14,911,807 | 0.32% | 0.82% | 0.47% | 0.57% | 1.02% | 0.71% | 0.77% | 1.22% | 0.90% |
| 2030 | 9,086,106 | 3,976,629 | 13,062,735 | 9,822,679 | 4,260,197 | 14,082,876 | 10,560,449 | 4,543,628 | 15,104,076 | 0.93% | 0.82% | 0.90% | 1.14% | 1.01% | 1.10% | 1.34% | 1.18% | 1.29% |
| 2031 | 9,171,872 | 4,009,586 | 13,181,457 | 9,935,364 | 4,304,189 | 14,239,553 | 10,700,136 | 4,597,682 | 15,297,818 | 0.94% | 0.83% | 0.91% | 1.15% | 1.03% | 1.11% | 1.32% | 1.19% | 1.28% |
| 2032 | 9,314,699 | 4,044,064 | 13,358,762 | 10,108,116 | 4,348,592 | 14,456,709 | 10,903,557 | 4,651,873 | 15,555,431 | 1.56% | 0.86% | 1.35% | 1.74% | 1.03% | 1.53% | 1.90% | 1.18% | 1.68% |
| 2033 | 9,349,780 | 4,080,201 | 13,429,980 | 10,165,480 | 4,393,133 | 14,558,613 | 10,980,609 | 4,706,202 | 15,686,811 | 0.38% | 0.89% | 0.53% | 0.57% | 1.02% | 0.70% | 0.71% | 1.17% | 0.84% |
| 2034 | 9,442,707 | 4,116,475 | 13,559,181 | 10,281,882 | 4,439,058 | 14,720,940 | 11,121,586 | 4,761,641 | 15,883,227 | 0.99% | 0.89% | 0.96% | 1.15% | 1.05% | 1.11% | 1.28% | 1.18% | 1.25% |
| 2035 | 9,539,721 | 4,153,297 | 13,693,018 | 10,402,654 | 4,485,257 | 14,887,911 | 11,265,538 | 4,817,080 | 16,082,618 | 1.03% | 0.89% | 0.99% | 1.17% | 1.04% | 1.13% | 1.29% | 1.16% | 1.26% |
| 2036 | 9,692,837 | 4,191,504 | 13,884,341 | 10,584,233 | 4,531,593 | 15,115,827 | 11,474,868 | 4,872,793 | 16,347,661 | 1.61% | 0.92% | 1.40% | 1.75% | 1.03% | 1.53% | 1.86% | 1.16% | 1.65% |
| 2037 | 9,735,669 | 4,229,985 | 13,965,654 | 10,644,695 | 4,579,177 | 15,223,873 | 11,553,552 | 4,928,370 | 16,481,922 | 0.44% | 0.92% | 0.59% | 0.57% | 1.05% | 0.71% | 0.69% | 1.14% | 0.82% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 10,126 | 151,455 | 161,581 | 10,397 | 153,661 | 164,058 | 10,667 | 155,889 | 166,556 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,146 | 153,141 | 163,287 | 10,490 | 155,299 | 165,789 | 10,834 | 157,480 | 168,314 | 0.20% | 1.11% | 1.06% | 0.90% | 1.07% | 1.06% | 1.56% | 1.02% | 1.06% |
| 2020 | 10,184 | 154,825 | 165,008 | 10,587 | 156,950 | 167,537 | 10,990 | 159,098 | 170,088 | 0.37% | 1.10% | 1.05% | 0.93% | 1.06% | 1.05% | 1.45% | 1.03% | 1.05% |
| 2021 | 10,232 | 156,513 | 166,745 | 10,685 | 158,616 | 169,301 | 11,141 | 160,738 | 171,879 | 0.47% | 1.09% | 1.05% | 0.92% | 1.06% | 1.05% | 1.37% | 1.03% | 1.05% |
| 2022 | 10,287 | 158,252 | 168,539 | 10,787 | 160,335 | 171,122 | 11,286 | 162,441 | 173,727 | 0.54% | 1.11% | 1.08% | 0.95% | 1.08% | 1.08% | 1.30% | 1.06% | 1.08% |
| 2023 | 10,348 | 160,008 | 170,356 | 10,889 | 162,077 | 172,967 | 11,434 | 164,167 | 175,600 | 0.59% | 1.11% | 1.08% | 0.95% | 1.09% | 1.08% | 1.31% | 1.06% | 1.08% |
| 2024 | 10,414 | 161,807 | 172,221 | 10,996 | 163,865 | 174,861 | 11,577 | 165,946 | 177,523 | 0.64% | 1.12% | 1.10% | 0.97% | 1.10% | 1.10% | 1.25% | 1.08% | 1.10% |
| 2025 | 10,483 | 163,619 | 174,102 | 11,103 | 165,668 | 176,771 | 11,723 | 167,740 | 179,462 | 0.66% | 1.12% | 1.09% | 0.98% | 1.10% | 1.09% | 1.26% | 1.08% | 1.09% |
| 2026 | 10,560 | 165,488 | 176,048 | 11,214 | 167,532 | 178,746 | 11,868 | 169,600 | 181,468 | 0.73% | 1.14% | 1.12% | 1.00% | 1.13% | 1.12% | 1.24% | 1.11% | 1.12% |
| 2027 | 10,638 | 167,371 | 178,009 | 11,326 | 169,412 | 180,737 | 12,010 | 171,479 | 183,489 | 0.74% | 1.14% | 1.11% | 1.00% | 1.12% | 1.11% | 1.20% | 1.11% | 1.11% |
| 2028 | 10,718 | 169,300 | 180,019 | 11,438 | 171,339 | 182,778 | 12,155 | 173,406 | 185,561 | 0.75% | 1.15% | 1.13% | 0.99% | 1.14% | 1.13% | 1.20% | 1.12% | 1.13% |
| 2029 | 10,806 | 171,246 | 182,052 | 11,555 | 173,287 | 184,842 | 12,303 | 175,354 | 187,657 | 0.82% | 1.15% | 1.13% | 1.02% | 1.14% | 1.13% | 1.22% | 1.12% | 1.13% |
| 2030 | 10,895 | 173,198 | 184,093 | 11,672 | 175,243 | 186,915 | 12,448 | 177,312 | 189,761 | 0.82% | 1.14% | 1.12% | 1.01% | 1.13% | 1.12% | 1.18% | 1.12% | 1.12% |
| 2031 | 10,985 | 175,205 | 186,191 | 11,792 | 177,252 | 189,044 | 12,596 | 179,326 | 191,923 | 0.83% | 1.16% | 1.14% | 1.03% | 1.15% | 1.14% | 1.19% | 1.14% | 1.14% |
| 2032 | 11,080 | 177,224 | 188,304 | 11,914 | 179,276 | 191,190 | 12,745 | 181,356 | 194,101 | 0.86% | 1.15% | 1.14% | 1.03% | 1.14% | 1.14% | 1.18% | 1.13% | 1.14% |
| 2033 | 11,179 | 179,295 | 190,473 | 12,036 | 181,357 | 193,393 | 12,894 | 183,444 | 196,337 | 0.89% | 1.17% | 1.15% | 1.02% | 1.16% | 1.15% | 1.17% | 1.15% | 1.15% |
| 2034 | 11,278 | 181,340 | 192,618 | 12,162 | 183,409 | 195,570 | 13,046 | 185,503 | 198,548 | 0.89% | 1.14% | 1.13% | 1.05% | 1.13% | 1.13% | 1.18% | 1.12% | 1.13% |
| 2035 | 11,379 | 183,473 | 194,852 | 12,288 | 185,550 | 197,838 | 13,197 | 187,653 | 200,851 | 0.89% | 1.18% | 1.16% | 1.04% | 1.17% | 1.16% | 1.16% | 1.16% | 1.16% |
| 2036 | 11,484 | 185,569 | 197,053 | 12,415 | 187,658 | 200,073 | 13,350 | 189,769 | 203,120 | 0.92% | 1.14% | 1.13% | 1.03% | 1.14% | 1.13% | 1.16% | 1.13% | 1.13% |
| 2037 | 11,589 | 187,721 | 199,310 | 12,546 | 189,819 | 202,365 | 13,502 | 191,944 | 205,446 | 0.92% | 1.16% | 1.15% | 1.05% | 1.15% | 1.15% | 1.14% | 1.15% | 1.15% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,249,632 | 5,816,597 | 12,066,229 | 6,466,540 | 5,940,054 | 12,406,594 | 6,683,296 | 6,063,110 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,268,399 | 5,823,287 | 12,091,686 | 6,548,703 | 5,982,841 | 12,531,544 | 6,828,863 | 6,142,578 | 12,971,441 | 0.30% | 0.12% | 0.21% | 1.27% | 0.72% | 1.01% | 2.18% | 1.31% | 1.77% |
| 2020 | 6,327,058 | 5,860,816 | 12,187,874 | 6,659,906 | 6,050,075 | 12,709,980 | 6,992,581 | 6,239,837 | 13,232,418 | 0.94% | 0.64% | 0.80% | 1.70% | 1.12% | 1.42% | 2.40% | 1.58% | 2.01% |
| 2021 | 6,340,898 | 5,859,218 | 12,200,116 | 6,716,568 | 6,072,451 | 12,789,019 | 7,092,272 | 6,286,999 | 13,379,271 | 0.22% | -0.03% | 0.10% | 0.85% | 0.37% | 0.62% | 1.43% | 0.76% | 1.11% |
| 2022 | 6,386,616 | 5,883,327 | 12,269,944 | 6,801,870 | 6,120,222 | 12,922,091 | 7,217,020 | 6,357,410 | 13,574,430 | 0.72% | 0.41% | 0.57% | 1.27% | 0.79% | 1.04% | 1.76% | 1.12% | 1.46% |
| 2023 | 6,437,726 | 5,911,666 | 12,349,392 | 6,888,856 | 6,169,064 | 13,057,920 | 7,340,065 | 6,426,593 | 13,766,659 | 0.80% | 0.48% | 0.65% | 1.28% | 0.80% | 1.05% | 1.70% | 1.09% | 1.42% |
| 2024 | 6,520,211 | 5,966,526 | 12,486,737 | 7,006,930 | 6,243,953 | 13,250,884 | 7,493,473 | 6,521,366 | 14,014,839 | 1.28% | 0.93% | 1.11% | 1.71% | 1.21% | 1.48% | 2.09% | 1.47% | 1.80% |
| 2025 | 6,551,121 | 5,977,154 | 12,528,274 | 7,066,941 | 6,271,659 | 13,338,600 | 7,582,879 | 6,565,548 | 14,148,427 | 0.47% | 0.18% | 0.33% | 0.86% | 0.44% | 0.66% | 1.19% | 0.68% | 0.95% |
| 2026 | 6,612,259 | 6,013,729 | 12,625,987 | 7,157,531 | 6,324,514 | 13,482,046 | 7,702,846 | 6,636,536 | 14,339,382 | 0.93% | 0.61% | 0.78% | 1.28% | 0.84% | 1.08% | 1.58% | 1.08% | 1.35% |
| 2027 | 6,676,139 | 6,052,351 | 12,728,490 | 7,249,398 | 6,379,431 | 13,628,829 | 7,822,550 | 6,706,754 | 14,529,304 | 0.97% | 0.64% | 0.81% | 1.28% | 0.87% | 1.09% | 1.55% | 1.06% | 1.32% |
| 2028 | 6,769,936 | 6,115,810 | 12,885,747 | 7,372,240 | 6,459,749 | 13,831,989 | 7,974,414 | 6,803,688 | 14,778,102 | 1.40% | 1.05% | 1.24% | 1.69% | 1.26% | 1.49% | 1.94% | 1.45% | 1.71% |
| 2029 | 6,810,940 | 6,135,808 | 12,946,748 | 7,436,359 | 6,493,274 | 13,929,633 | 8,061,669 | 6,850,138 | 14,911,807 | 0.61% | 0.33% | 0.47% | 0.87% | 0.52% | 0.71% | 1.09% | 0.68% | 0.90% |
| 2030 | 6,881,827 | 6,180,908 | 13,062,735 | 7,531,607 | 6,551,270 | 14,082,876 | 8,181,291 | 6,922,785 | 15,104,076 | 1.04% | 0.74% | 0.90% | 1.28% | 0.89% | 1.10% | 1.48% | 1.06% | 1.29% |
| 2031 | 6,954,460 | 6,226,997 | 13,181,457 | 7,627,895 | 6,611,658 | 14,239,553 | 8,301,356 | 6,996,463 | 15,297,818 | 1.06% | 0.75% | 0.91% | 1.28% | 0.92% | 1.11% | 1.47% | 1.06% | 1.28% |
| 2032 | 7,058,537 | 6,300,226 | 13,358,762 | 7,757,597 | 6,699,112 | 14,456,709 | 8,456,729 | 7,098,701 | 15,555,431 | 1.50% | 1.18% | 1.35% | 1.70% | 1.32% | 1.53% | 1.87% | 1.46% | 1.68% |
| 2033 | 7,104,801 | 6,325,180 | 13,429,980 | 7,823,078 | 6,735,535 | 14,558,613 | 8,541,321 | 7,145,490 | 15,686,811 | 0.66% | 0.40% | 0.53% | 0.84% | 0.54% | 0.70% | 1.00% | 0.66% | 0.84% |
| 2034 | 7,182,787 | 6,376,394 | 13,559,181 | 7,922,310 | 6,798,630 | 14,720,940 | 8,662,083 | 7,221,144 | 15,883,227 | 1.10% | 0.81% | 0.96% | 1.27% | 0.94% | 1.11% | 1.41% | 1.06% | 1.25% |
| 2035 | 7,262,579 | 6,430,439 | 13,693,018 | 8,023,262 | 6,864,649 | 14,887,911 | 8,783,648 | 7,298,970 | 16,082,618 | 1.11% | 0.85% | 0.99% | 1.27% | 0.97% | 1.13% | 1.40% | 1.08% | 1.26% |
| 2036 | 7,374,400 | 6,509,941 | 13,884,341 | 8,158,395 | 6,957,432 | 15,115,827 | 8,942,359 | 7,405,302 | 16,347,661 | 1.54% | 1.24% | 1.40% | 1.68% | 1.35% | 1.53% | 1.81% | 1.46% | 1.65% |
| 2037 | 7,425,734 | 6,539,920 | 13,965,654 | 8,226,261 | 6,997,612 | 15,223,873 | 9,026,826 | 7,455,096 | 16,481,922 | 0.70% | 0.46% | 0.59% | 0.83% | 0.58% | 0.71% | 0.94% | 0.67% | 0.82% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,816 | 1,270 | 12,086 | 11,196 | 1,309 | 12,505 | 11,576 | 1,347 | 12,923 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,850 | 1,272 | 12,122 | 11,339 | 1,322 | 12,661 | 11,828 | 1,371 | 13,199 | 0.31% | 0.16% | 0.30% | 1.28% | 1.01% | 1.25% | 2.18% | 1.81% | 2.14% |
| 2020 | 10,906 | 1,277 | 12,183 | 11,484 | 1,335 | 12,819 | 12,062 | 1,394 | 13,456 | 0.52% | 0.37% | 0.50% | 1.28% | 1.03% | 1.25% | 1.97% | 1.65% | 1.94% |
| 2021 | 10,977 | 1,283 | 12,260 | 11,631 | 1,349 | 12,981 | 12,286 | 1,416 | 13,702 | 0.65% | 0.51% | 0.63% | 1.28% | 1.05% | 1.26% | 1.86% | 1.58% | 1.83% |
| 2022 | 11,057 | 1,291 | 12,348 | 11,780 | 1,364 | 13,145 | 12,503 | 1,438 | 13,941 | 0.73% | 0.59% | 0.72% | 1.28% | 1.10% | 1.26% | 1.77% | 1.54% | 1.75% |
| 2023 | 11,146 | 1,300 | 12,446 | 11,932 | 1,379 | 13,311 | 12,717 | 1,459 | 14,176 | 0.80% | 0.68% | 0.79% | 1.29% | 1.11% | 1.27% | 1.71% | 1.48% | 1.69% |
| 2024 | 11,241 | 1,310 | 12,551 | 12,085 | 1,395 | 13,480 | 12,929 | 1,481 | 14,409 | 0.85% | 0.76% | 0.84% | 1.29% | 1.14% | 1.27% | 1.66% | 1.47% | 1.64% |
| 2025 | 11,343 | 1,320 | 12,663 | 12,241 | 1,411 | 13,652 | 13,139 | 1,502 | 14,641 | 0.90% | 0.79% | 0.89% | 1.29% | 1.14% | 1.27% | 1.62% | 1.45% | 1.61% |
| 2026 | 11,449 | 1,331 | 12,780 | 12,398 | 1,428 | 13,826 | 13,347 | 1,524 | 14,871 | 0.94% | 0.86% | 0.93% | 1.29% | 1.17% | 1.27% | 1.59% | 1.46% | 1.57% |
| 2027 | 11,560 | 1,343 | 12,903 | 12,558 | 1,444 | 14,002 | 13,555 | 1,546 | 15,101 | 0.97% | 0.90% | 0.96% | 1.29% | 1.19% | 1.28% | 1.56% | 1.42% | 1.55% |
| 2028 | 11,676 | 1,356 | 13,031 | 12,720 | 1,462 | 14,181 | 13,763 | 1,568 | 15,331 | 1.00% | 0.94% | 0.99% | 1.29% | 1.19% | 1.28% | 1.53% | 1.43% | 1.52% |
| 2029 | 11,795 | 1,369 | 13,164 | 12,883 | 1,480 | 14,363 | 13,971 | 1,590 | 15,561 | 1.02% | 0.99% | 1.02% | 1.29% | 1.22% | 1.28% | 1.51% | 1.42% | 1.50% |
| 2030 | 11,918 | 1,383 | 13,301 | 13,049 | 1,498 | 14,546 | 14,179 | 1,612 | 15,792 | 1.04% | 1.01% | 1.04% | 1.28% | 1.22% | 1.28% | 1.49% | 1.41% | 1.48% |
| 2031 | 12,045 | 1,397 | 13,442 | 13,216 | 1,516 | 14,732 | 14,388 | 1,635 | 16,023 | 1.06% | 1.03% | 1.06% | 1.28% | 1.24% | 1.28% | 1.47% | 1.41% | 1.47% |
| 2032 | 12,174 | 1,412 | 13,586 | 13,385 | 1,535 | 14,921 | 14,597 | 1,658 | 16,255 | 1.08% | 1.08% | 1.08% | 1.28% | 1.25% | 1.28% | 1.45% | 1.41% | 1.45% |
| 2033 | 12,307 | 1,428 | 13,735 | 13,557 | 1,555 | 15,111 | 14,806 | 1,681 | 16,488 | 1.09% | 1.09% | 1.09% | 1.28% | 1.26% | 1.28% | 1.43% | 1.39% | 1.43% |
| 2034 | 12,443 | 1,444 | 13,886 | 13,729 | 1,574 | 15,303 | 15,016 | 1,705 | 16,721 | 1.10% | 1.11% | 1.10% | 1.27% | 1.27% | 1.27% | 1.42% | 1.40% | 1.42% |
| 2035 | 12,581 | 1,460 | 14,041 | 13,904 | 1,594 | 15,498 | 15,227 | 1,729 | 16,955 | 1.11% | 1.14% | 1.11% | 1.27% | 1.28% | 1.27% | 1.40% | 1.40% | 1.40% |
| 2036 | 12,721 | 1,477 | 14,198 | 14,080 | 1,615 | 15,694 | 15,438 | 1,753 | 17,190 | 1.12% | 1.15% | 1.12% | 1.26% | 1.28% | 1.27% | 1.39% | 1.38% | 1.39% |
| 2037 | 12,864 | 1,494 | 14,358 | 14,257 | 1,636 | 15,892 | 15,650 | 1,777 | 17,427 | 1.12% | 1.16% | 1.13% | 1.26% | 1.29% | 1.26% | 1.37% | 1.39% | 1.37% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 34.85% |
| Medium: | 27.09% |
| Low: | 18.80% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

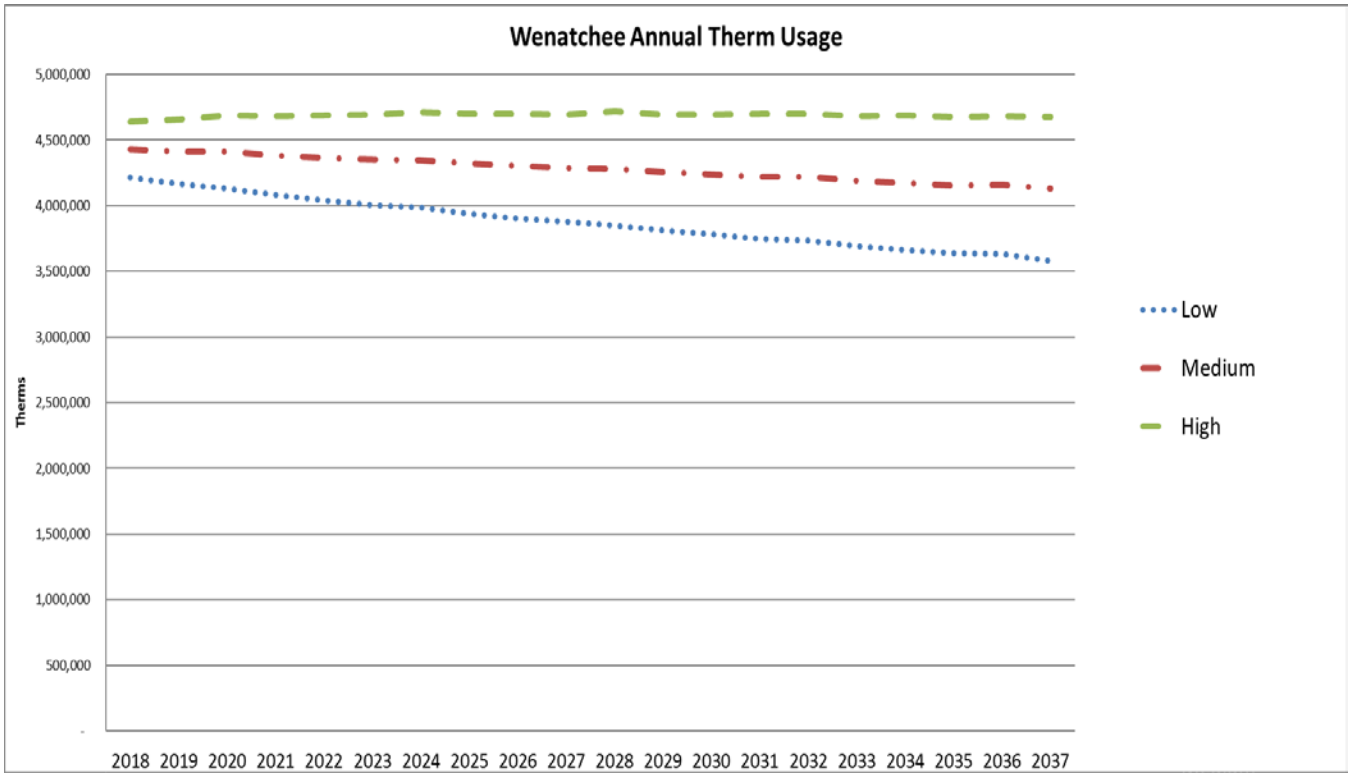
## Wenatchee

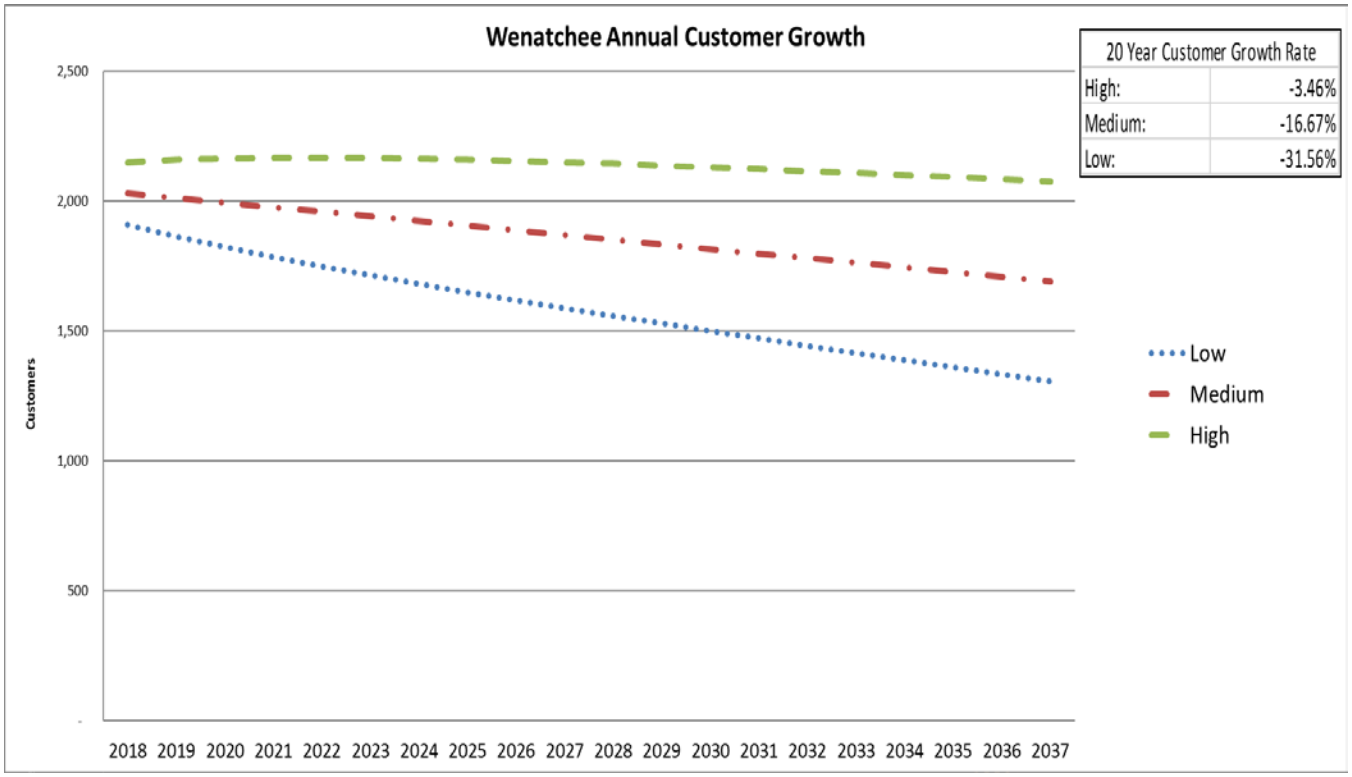
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 987,039 | 3,227,115 | 4,214,154 | 1,046,534 | 3,382,944 | 4,429,478 | 1,102,184 | 3,538,486 | 4,640,670 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 977,274 | 3,187,893 | 4,165,167 | 1,042,022 | 3,370,265 | 4,412,287 | 1,103,769 | 3,552,349 | 4,656,118 | -0.99% | -1.22% | -1.16% | -0.43% | -0.37% | -0.39% | 0.14% | 0.39% | 0.33% |
| 2020 | 977,524 | 3,153,577 | 4,131,101 | 1,049,010 | 3,361,629 | 4,410,639 | 1,124,500 | 3,565,064 | 4,689,564 | 0.03% | -1.08% | -0.82% | 0.67% | -0.26% | -0.04% | 1.88% | 0.36% | 0.72% |
| 2021 | 964,596 | 3,116,652 | 4,081,248 | 1,031,701 | 3,348,950 | 4,380,651 | 1,101,790 | 3,581,249 | 4,683,039 | -1.32% | -1.17% | -1.21% | -1.65% | -0.38% | -0.68% | -2.02% | 0.45% | -0.14% |
| 2022 | 942,381 | 3,099,094 | 4,041,476 | 1,027,119 | 3,340,315 | 4,367,434 | 1,113,241 | 3,573,162 | 4,686,402 | -2.30% | -0.56% | -0.97% | -0.44% | -0.26% | -0.30% | 1.04% | -0.23% | 0.07% |
| 2023 | 938,087 | 3,066,787 | 4,004,874 | 1,023,311 | 3,327,636 | 4,350,947 | 1,106,315 | 3,587,911 | 4,694,227 | -0.46% | -1.04% | -0.91% | -0.37% | -0.38% | -0.38% | -0.62% | 0.41% | 0.17% |
| 2024 | 936,178 | 3,049,803 | 3,985,980 | 1,033,289 | 3,314,670 | 4,347,959 | 1,128,556 | 3,583,868 | 4,712,424 | -0.20% | -0.55% | -0.47% | 0.98% | -0.39% | -0.07% | 2.01% | -0.11% | 0.39% |
| 2025 | 922,499 | 3,014,312 | 3,936,811 | 1,016,298 | 3,306,035 | 4,322,333 | 1,105,990 | 3,594,000 | 4,699,990 | -1.46% | -1.16% | -1.23% | -1.64% | -0.26% | -0.59% | -2.00% | 0.28% | -0.26% |
| 2026 | 903,951 | 2,997,616 | 3,901,567 | 1,011,739 | 3,293,355 | 4,305,095 | 1,115,936 | 3,584,765 | 4,700,701 | -2.01% | -0.55% | -0.90% | -0.45% | -0.38% | -0.40% | 0.90% | -0.26% | 0.02% |
| 2027 | 896,140 | 2,985,536 | 3,881,676 | 1,006,277 | 3,280,676 | 4,286,953 | 1,115,421 | 3,575,817 | 4,691,237 | -0.86% | -0.40% | -0.51% | -0.54% | -0.38% | -0.42% | -0.05% | -0.25% | -0.20% |
| 2028 | 895,644 | 2,950,333 | 3,845,978 | 1,013,028 | 3,267,997 | 4,281,026 | 1,133,871 | 3,585,375 | 4,719,246 | -0.06% | -1.18% | -0.92% | 0.67% | -0.39% | -0.14% | 1.65% | 0.27% | 0.60% |
| 2029 | 878,924 | 2,934,497 | 3,813,422 | 998,120 | 3,259,362 | 4,257,482 | 1,118,712 | 3,575,853 | 4,694,564 | -1.87% | -0.54% | -0.85% | -1.47% | -0.26% | -0.55% | -1.34% | -0.27% | -0.52% |
| 2030 | 863,125 | 2,922,705 | 3,785,830 | 992,593 | 3,246,683 | 4,239,276 | 1,126,115 | 3,566,043 | 4,692,158 | -1.80% | -0.40% | -0.72% | -0.55% | -0.39% | -0.43% | 0.66% | -0.27% | -0.05% |
| 2031 | 860,285 | 2,888,076 | 3,748,361 | 986,697 | 3,234,004 | 4,220,701 | 1,120,386 | 3,579,645 | 4,700,031 | -0.33% | -1.18% | -0.99% | -0.59% | -0.39% | -0.44% | -0.51% | 0.38% | 0.17% |
| 2032 | 864,806 | 2,872,527 | 3,737,333 | 996,082 | 3,225,369 | 4,221,451 | 1,131,804 | 3,569,836 | 4,701,640 | 0.53% | -0.54% | -0.29% | 0.95% | -0.27% | 0.02% | 1.02% | -0.27% | 0.03% |
| 2033 | 836,233 | 2,856,978 | 3,693,211 | 980,807 | 3,208,646 | 4,189,453 | 1,123,600 | 3,559,740 | 4,683,340 | -3.30% | -0.54% | -1.18% | -1.53% | -0.52% | -0.76% | -0.72% | -0.28% | -0.39% |
| 2034 | 834,847 | 2,826,392 | 3,661,239 | 973,132 | 3,199,724 | 4,172,855 | 1,117,802 | 3,573,055 | 4,690,856 | -0.17% | -1.07% | -0.87% | -0.78% | -0.28% | -0.40% | -0.52% | 0.37% | 0.16% |
| 2035 | 830,371 | 2,811,131 | 3,641,502 | 969,486 | 3,187,045 | 4,156,531 | 1,116,076 | 3,562,672 | 4,678,747 | -0.54% | -0.54% | -0.54% | -0.37% | -0.40% | -0.39% | -0.15% | -0.29% | -0.26% |
| 2036 | 835,634 | 2,795,869 | 3,631,503 | 980,007 | 3,178,409 | 4,158,416 | 1,126,913 | 3,552,862 | 4,679,776 | 0.63% | -0.54% | -0.27% | 1.09% | -0.27% | 0.05% | 0.97% | -0.28% | 0.02% |
| 2037 | 813,482 | 2,765,570 | 3,579,052 | 963,538 | 3,165,730 | 4,129,268 | 1,116,017 | 3,561,560 | 4,677,576 | -2.65% | -1.08% | -1.44% | -1.68% | -0.40% | -0.70% | -0.97% | 0.24% | -0.05% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 8,841 | 29,292 | 38,133 | 9,268 | 29,449 | 38,718 | 9,694 | 29,613 | 39,307 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,734 | 29,071 | 37,805 | 9,234 | 29,151 | 38,385 | 9,732 | 29,237 | 38,969 | -1.22% | -0.75% | -0.86% | -0.37% | -1.01% | -0.86% | 0.39% | -1.27% | -0.86% |
| 2020 | 8,640 | 28,833 | 37,473 | 9,210 | 28,837 | 38,047 | 9,767 | 28,859 | 38,627 | -1.08% | -0.82% | -0.88% | -0.26% | -1.08% | -0.88% | 0.36% | -1.29% | -0.88% |
| 2021 | 8,539 | 28,606 | 37,145 | 9,175 | 28,539 | 37,714 | 9,812 | 28,477 | 38,289 | -1.17% | -0.79% | -0.88% | -0.38% | -1.03% | -0.88% | 0.45% | -1.33% | -0.88% |
| 2022 | 8,491 | 28,370 | 36,860 | 9,152 | 28,274 | 37,425 | 9,789 | 28,206 | 37,995 | -0.56% | -0.83% | -0.77% | -0.26% | -0.93% | -0.77% | -0.23% | -0.95% | -0.77% |
| 2023 | 8,402 | 28,130 | 36,532 | 9,117 | 27,975 | 37,092 | 9,830 | 27,827 | 37,657 | -1.04% | -0.84% | -0.89% | -0.38% | -1.06% | -0.89% | 0.41% | -1.34% | -0.89% |
| 2024 | 8,356 | 27,844 | 36,200 | 9,081 | 27,674 | 36,755 | 9,819 | 27,496 | 37,315 | -0.55% | -1.02% | -0.91% | -0.39% | -1.08% | -0.91% | -0.11% | -1.19% | -0.91% |
| 2025 | 8,258 | 27,657 | 35,915 | 9,058 | 27,408 | 36,466 | 9,847 | 27,175 | 37,021 | -1.16% | -0.67% | -0.79% | -0.26% | -0.96% | -0.79% | 0.28% | -1.17% | -0.79% |
| 2026 | 8,213 | 27,375 | 35,587 | 9,023 | 27,110 | 36,133 | 9,821 | 26,862 | 36,683 | -0.55% | -1.02% | -0.91% | -0.38% | -1.09% | -0.91% | -0.26% | -1.15% | -0.91% |
| 2027 | 8,180 | 27,076 | 35,255 | 8,988 | 26,807 | 35,795 | 9,797 | 26,544 | 36,341 | -0.40% | -1.09% | -0.93% | -0.38% | -1.12% | -0.93% | -0.25% | -1.18% | -0.93% |
| 2028 | 8,083 | 26,844 | 34,927 | 8,953 | 26,509 | 35,462 | 9,823 | 26,179 | 36,002 | -1.18% | -0.86% | -0.93% | -0.39% | -1.11% | -0.93% | 0.27% | -1.37% | -0.93% |
| 2029 | 8,040 | 26,603 | 34,642 | 8,930 | 26,244 | 35,173 | 9,797 | 25,912 | 35,709 | -0.54% | -0.90% | -0.81% | -0.26% | -1.00% | -0.81% | -0.27% | -1.02% | -0.81% |
| 2030 | 8,007 | 26,307 | 34,314 | 8,895 | 25,945 | 34,840 | 9,770 | 25,601 | 35,371 | -0.40% | -1.11% | -0.95% | -0.39% | -1.14% | -0.95% | -0.27% | -1.20% | -0.95% |
| 2031 | 7,913 | 26,070 | 33,982 | 8,860 | 25,643 | 34,503 | 9,807 | 25,221 | 35,028 | -1.18% | -0.90% | -0.97% | -0.39% | -1.17% | -0.97% | 0.38% | -1.48% | -0.97% |
| 2032 | 7,870 | 25,871 | 33,741 | 8,837 | 25,422 | 34,258 | 9,780 | 24,999 | 34,780 | -0.54% | -0.76% | -0.71% | -0.27% | -0.86% | -0.71% | -0.27% | -0.88% | -0.71% |
| 2033 | 7,827 | 25,586 | 33,413 | 8,791 | 25,134 | 33,925 | 9,753 | 24,689 | 34,442 | -0.54% | -1.10% | -0.97% | -0.52% | -1.13% | -0.97% | -0.28% | -1.24% | -0.97% |
| 2034 | 7,744 | 25,337 | 33,081 | 8,766 | 24,821 | 33,588 | 9,789 | 24,310 | 34,099 | -1.07% | -0.97% | -0.99% | -0.28% | -1.24% | -0.99% | 0.37% | -1.53% | -0.99% |
| 2035 | 7,702 | 25,051 | 32,753 | 8,732 | 24,523 | 33,255 | 9,761 | 24,000 | 33,761 | -0.54% | -1.13% | -0.99% | -0.40% | -1.20% | -0.99% | -0.29% | -1.27% | -0.99% |
| 2036 | 7,660 | 24,808 | 32,468 | 8,708 | 24,258 | 32,966 | 9,734 | 23,734 | 33,468 | -0.54% | -0.97% | -0.87% | -0.27% | -1.08% | -0.87% | -0.28% | -1.11% | -0.87% |
| 2037 | 7,577 | 24,559 | 32,136 | 8,673 | 23,955 | 32,628 | 9,758 | 23,367 | 33,125 | -1.08% | -1.00% | -1.02% | -0.40% | -1.25% | -1.02% | 0.24% | -1.54% | -1.02% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 551,899 | 3,662,255 | 4,214,154 | 596,058 | 3,833,420 | 4,429,478 | 640,214 | 4,000,456 | 4,640,670 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 532,437 | 3,632,730 | 4,165,167 | 588,985 | 3,823,302 | 4,412,287 | 645,192 | 4,010,926 | 4,656,118 | -3.53% | -0.81% | -1.16% | -1.19% | -0.26% | -0.39% | 0.78% | 0.26% | 0.33% |
| 2020 | 517,097 | 3,614,004 | 4,131,101 | 583,878 | 3,826,762 | 4,410,639 | 650,196 | 4,039,368 | 4,689,564 | -2.88% | -0.52% | -0.82% | -0.87% | 0.09% | -0.04% | 0.78% | 0.71% | 0.72% |
| 2021 | 499,537 | 3,581,711 | 4,081,248 | 574,703 | 3,805,948 | 4,380,651 | 649,245 | 4,033,794 | 4,683,039 | -3.40% | -0.89% | -1.21% | -1.57% | -0.54% | -0.68% | -0.15% | -0.14% | -0.14% |
| 2022 | 484,588 | 3,556,887 | 4,041,476 | 567,384 | 3,800,050 | 4,367,434 | 649,698 | 4,036,704 | 4,686,402 | -2.99% | -0.69% | -0.97% | -1.27% | -0.15% | -0.30% | 0.07% | 0.07% | 0.07% |
| 2023 | 470,305 | 3,534,568 | 4,004,874 | 560,129 | 3,790,818 | 4,350,947 | 649,685 | 4,044,542 | 4,694,227 | -2.95% | -0.63% | -0.91% | -1.28% | -0.24% | -0.38% | 0.00% | 0.19% | 0.17% |
| 2024 | 458,274 | 3,527,706 | 3,985,980 | 554,906 | 3,793,053 | 4,347,959 | 651,491 | 4,060,933 | 4,712,424 | -2.56% | -0.19% | -0.47% | -0.93% | 0.06% | -0.07% | 0.28% | 0.41% | 0.39% |
| 2025 | 443,370 | 3,493,441 | 3,936,811 | 545,861 | 3,776,472 | 4,322,333 | 648,069 | 4,051,921 | 4,699,990 | -3.25% | -0.97% | -1.23% | -1.63% | -0.44% | -0.59% | -0.53% | -0.22% | -0.26% |
| 2026 | 430,504 | 3,471,063 | 3,901,567 | 538,735 | 3,766,359 | 4,305,095 | 646,630 | 4,054,071 | 4,700,701 | -2.90% | -0.64% | -0.90% | -1.31% | -0.27% | -0.40% | -0.22% | 0.05% | 0.02% |
| 2027 | 417,865 | 3,463,812 | 3,881,676 | 531,585 | 3,755,368 | 4,286,953 | 645,079 | 4,046,158 | 4,691,237 | -2.94% | -0.21% | -0.51% | -1.33% | -0.29% | -0.42% | -0.24% | -0.20% | -0.20% |
| 2028 | 406,619 | 3,439,359 | 3,845,978 | 526,014 | 3,755,012 | 4,281,026 | 644,977 | 4,074,269 | 4,719,246 | -2.69% | -0.71% | -0.92% | -1.05% | -0.01% | -0.14% | -0.02% | 0.69% | 0.60% |
| 2029 | 393,246 | 3,420,176 | 3,813,422 | 517,292 | 3,740,190 | 4,257,482 | 640,864 | 4,053,700 | 4,694,564 | -3.29% | -0.56% | -0.85% | -1.66% | -0.39% | -0.55% | -0.64% | -0.50% | -0.52% |
| 2030 | 381,311 | 3,404,519 | 3,785,830 | 510,135 | 3,729,141 | 4,239,276 | 638,526 | 4,053,632 | 4,692,158 | -3.03% | -0.46% | -0.72% | -1.38% | -0.30% | -0.43% | -0.36% | 0.00% | -0.05% |
| 2031 | 369,509 | 3,378,852 | 3,748,361 | 502,937 | 3,717,764 | 4,220,701 | 635,908 | 4,064,122 | 4,700,031 | -3.10% | -0.75% | -0.99% | -1.41% | -0.31% | -0.44% | -0.41% | 0.26% | 0.17% |
| 2032 | 359,065 | 3,378,268 | 3,737,333 | 497,434 | 3,724,017 | 4,221,451 | 635,425 | 4,066,215 | 4,701,640 | -2.83% | -0.02% | -0.29% | -1.09% | 0.17% | 0.02% | -0.08% | 0.05% | 0.03% |
| 2033 | 346,254 | 3,346,957 | 3,693,211 | 488,360 | 3,701,092 | 4,189,453 | 630,292 | 4,053,048 | 4,683,340 | -3.57% | -0.93% | -1.18% | -1.82% | -0.62% | -0.76% | -0.81% | -0.32% | -0.39% |
| 2034 | 334,881 | 3,326,358 | 3,661,239 | 481,189 | 3,691,666 | 4,172,855 | 627,319 | 4,063,538 | 4,690,856 | -3.28% | -0.62% | -0.87% | -1.47% | -0.25% | -0.40% | -0.47% | 0.26% | 0.16% |
| 2035 | 323,651 | 3,317,851 | 3,641,502 | 474,168 | 3,682,363 | 4,156,531 | 624,428 | 4,054,319 | 4,678,747 | -3.35% | -0.26% | -0.54% | -1.46% | -0.25% | -0.39% | -0.46% | -0.23% | -0.26% |
| 2036 | 313,541 | 3,317,962 | 3,631,503 | 468,644 | 3,689,772 | 4,158,416 | 623,418 | 4,056,358 | 4,679,776 | -3.12% | 0.00% | -0.27% | -1.16% | 0.20% | 0.05% | -0.16% | 0.05% | 0.02% |
| 2037 | 301,431 | 3,277,621 | 3,579,052 | 459,891 | 3,669,377 | 4,129,268 | 617,892 | 4,059,685 | 4,677,576 | -3.86% | -1.22% | -1.44% | -1.87% | -0.55% | -0.70% | -0.89% | 0.08% | -0.05% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,234 | 675 | 1,909 | 1,334 | 696 | 2,030 | 1,433 | 716 | 2,149 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,190 | 673 | 1,863 | 1,318 | 694 | 2,012 | 1,444 | 715 | 2,159 | -3.53% | -0.38% | -2.42% | -1.19% | -0.29% | -0.88% | 0.77% | -0.16% | 0.46% |
| 2020 | 1,152 | 671 | 1,823 | 1,302 | 693 | 1,994 | 1,450 | 714 | 2,164 | -3.23% | -0.27% | -2.16% | -1.21% | -0.23% | -0.87% | 0.43% | -0.12% | 0.25% |
| 2021 | 1,117 | 669 | 1,785 | 1,286 | 691 | 1,976 | 1,453 | 714 | 2,167 | -3.07% | -0.35% | -2.07% | -1.24% | -0.26% | -0.90% | 0.20% | -0.08% | 0.11% |
| 2022 | 1,083 | 666 | 1,749 | 1,269 | 690 | 1,959 | 1,455 | 712 | 2,167 | -2.98% | -0.39% | -2.01% | -1.26% | -0.14% | -0.87% | 0.09% | -0.20% | -0.01% |
| 2023 | 1,051 | 664 | 1,716 | 1,253 | 688 | 1,941 | 1,454 | 711 | 2,165 | -2.96% | -0.25% | -1.93% | -1.28% | -0.27% | -0.92% | -0.01% | -0.16% | -0.06% |
| 2024 | 1,020 | 662 | 1,682 | 1,237 | 686 | 1,923 | 1,453 | 710 | 2,163 | -2.93% | -0.35% | -1.93% | -1.30% | -0.29% | -0.94% | -0.09% | -0.09% | -0.09% |
| 2025 | 991 | 659 | 1,650 | 1,221 | 685 | 1,906 | 1,451 | 709 | 2,159 | -2.92% | -0.38% | -1.92% | -1.29% | -0.15% | -0.88% | -0.18% | -0.21% | -0.19% |
| 2026 | 962 | 657 | 1,619 | 1,205 | 683 | 1,888 | 1,447 | 707 | 2,155 | -2.92% | -0.38% | -1.90% | -1.31% | -0.29% | -0.94% | -0.22% | -0.21% | -0.22% |
| 2027 | 933 | 656 | 1,589 | 1,189 | 681 | 1,869 | 1,444 | 705 | 2,149 | -2.95% | -0.16% | -1.82% | -1.33% | -0.32% | -0.97% | -0.24% | -0.27% | -0.25% |
| 2028 | 905 | 653 | 1,558 | 1,173 | 679 | 1,851 | 1,439 | 705 | 2,144 | -3.00% | -0.44% | -1.95% | -1.35% | -0.29% | -0.97% | -0.32% | -0.04% | -0.22% |
| 2029 | 878 | 651 | 1,529 | 1,157 | 678 | 1,834 | 1,434 | 703 | 2,137 | -3.01% | -0.31% | -1.88% | -1.36% | -0.15% | -0.92% | -0.34% | -0.28% | -0.32% |
| 2030 | 851 | 650 | 1,501 | 1,141 | 676 | 1,816 | 1,429 | 701 | 2,130 | -3.06% | -0.22% | -1.85% | -1.39% | -0.32% | -0.99% | -0.37% | -0.24% | -0.33% |
| 2031 | 825 | 647 | 1,472 | 1,124 | 673 | 1,798 | 1,423 | 701 | 2,124 | -3.10% | -0.41% | -1.94% | -1.42% | -0.33% | -1.01% | -0.41% | -0.05% | -0.29% |
| 2032 | 798 | 645 | 1,443 | 1,108 | 672 | 1,781 | 1,417 | 699 | 2,116 | -3.19% | -0.33% | -1.94% | -1.44% | -0.15% | -0.95% | -0.42% | -0.29% | -0.38% |
| 2033 | 773 | 642 | 1,415 | 1,092 | 670 | 1,762 | 1,411 | 697 | 2,108 | -3.23% | -0.36% | -1.95% | -1.47% | -0.32% | -1.03% | -0.45% | -0.24% | -0.38% |
| 2034 | 747 | 641 | 1,388 | 1,076 | 668 | 1,744 | 1,404 | 697 | 2,101 | -3.31% | -0.26% | -1.93% | -1.48% | -0.27% | -1.02% | -0.47% | -0.05% | -0.33% |
| 2035 | 722 | 639 | 1,361 | 1,060 | 666 | 1,726 | 1,397 | 695 | 2,092 | -3.39% | -0.29% | -1.96% | -1.49% | -0.30% | -1.03% | -0.49% | -0.29% | -0.42% |
| 2036 | 697 | 637 | 1,333 | 1,044 | 666 | 1,709 | 1,390 | 693 | 2,083 | -3.49% | -0.31% | -2.00% | -1.52% | -0.11% | -0.98% | -0.51% | -0.29% | -0.44% |
| 2037 | 672 | 635 | 1,307 | 1,028 | 664 | 1,691 | 1,383 | 692 | 2,075 | -3.55% | -0.30% | -2.00% | -1.53% | -0.28% | -1.04% | -0.54% | -0.14% | -0.41% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | -3.46% |
| Medium: | -16.67% |
| Low: | -31.56% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

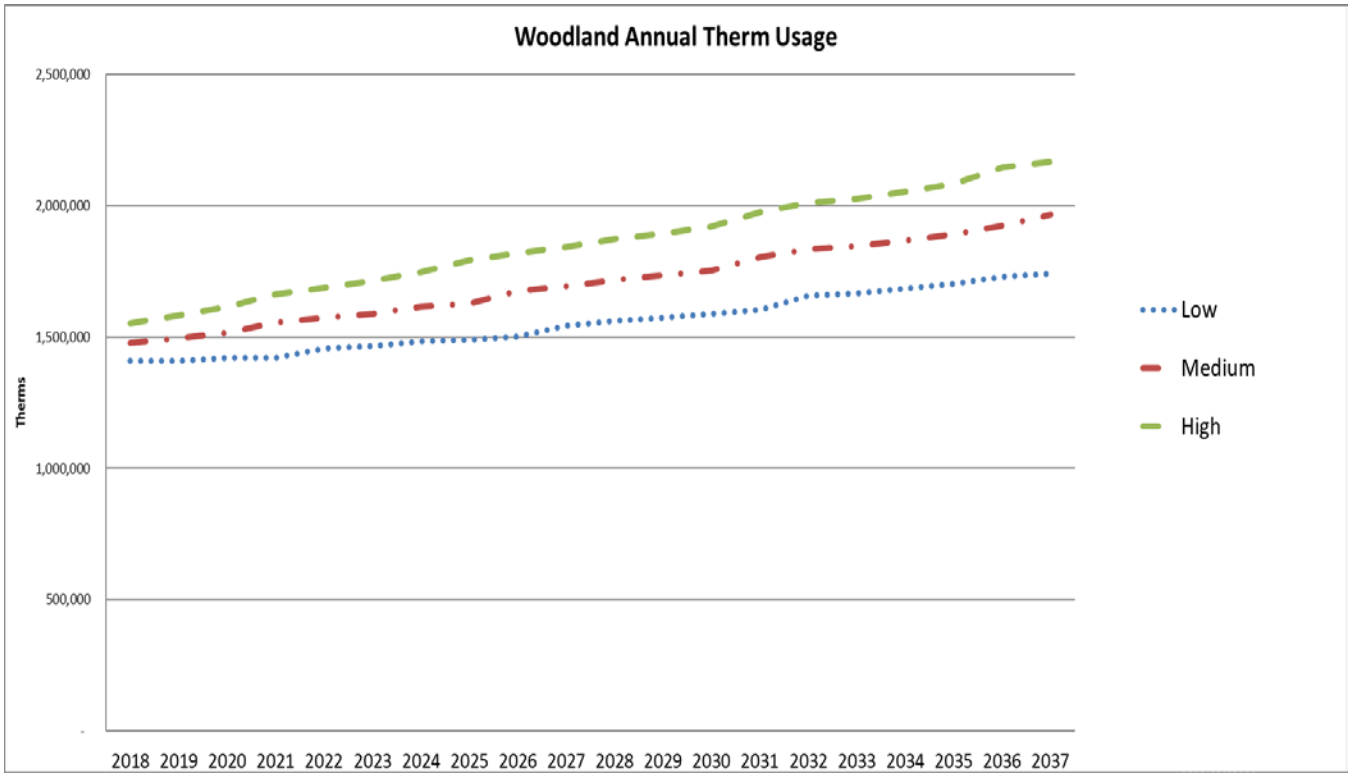
## Woodland

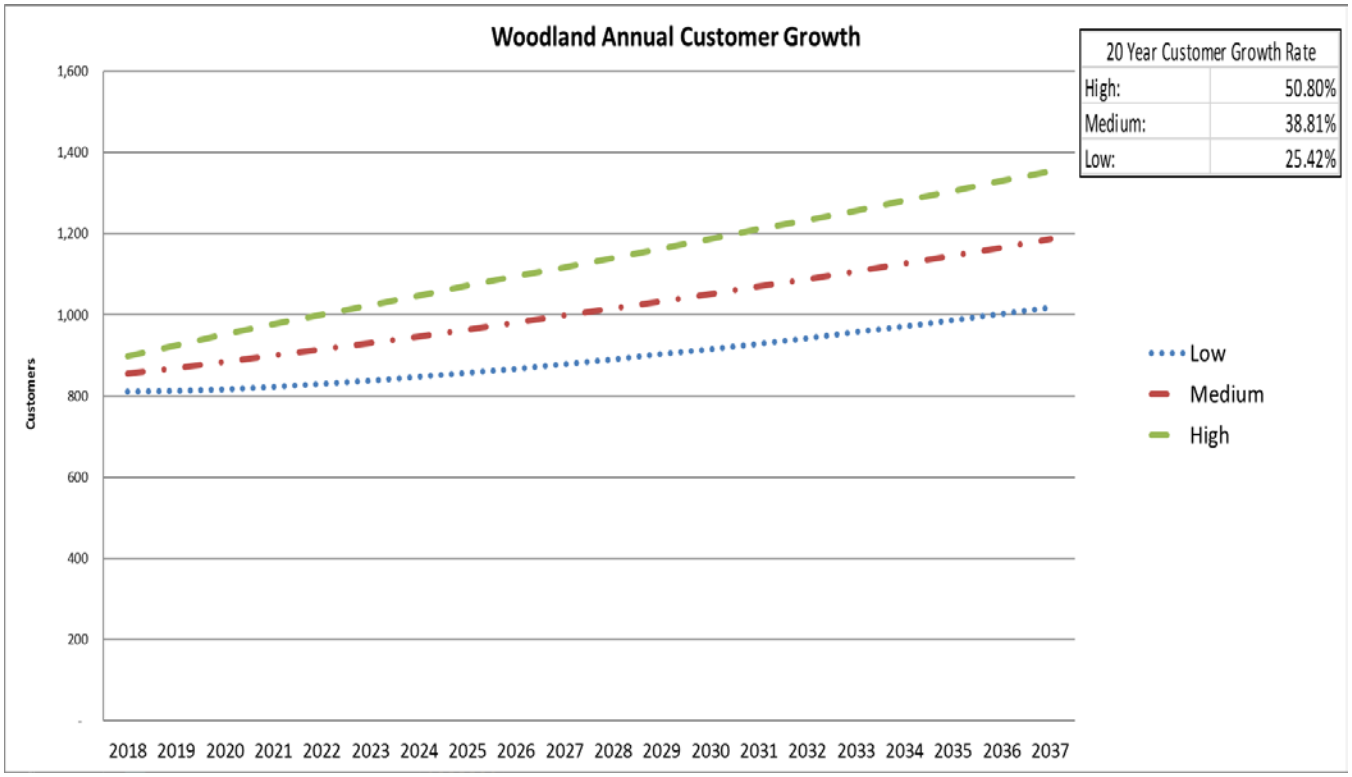
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 719,407 | 688,043 | 1,407,449 | 750,008 | 729,366 | 1,479,374 | 781,402 | 770,486 | 1,551,888 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 719,210 | 689,541 | 1,408,751 | 759,593 | 735,697 | 1,495,289 | 799,472 | 781,852 | 1,581,324 | -0.03% | 0.22% | 0.09% | 1.28% | 0.87% | 1.08% | 2.31% | 1.48% | 1.90% |
| 2020 | 728,002 | 691,447 | 1,419,449 | 776,608 | 740,733 | 1,517,341 | 823,988 | 791,313 | 1,615,301 | 1.22% | 0.28% | 0.76% | 2.24% | 0.68% | 1.47% | 3.07% | 1.21% | 2.15% |
| 2021 | 726,697 | 693,761 | 1,420,458 | 785,006 | 771,780 | 1,556,786 | 839,910 | 823,992 | 1,663,902 | -0.18% | 0.33% | 0.07% | 1.08% | 4.19% | 2.60% | 1.93% | 4.13% | 3.01% |
| 2022 | 735,095 | 721,882 | 1,456,977 | 794,606 | 778,314 | 1,572,921 | 854,821 | 833,248 | 1,688,069 | 1.16% | 4.05% | 2.57% | 1.22% | 0.85% | 1.04% | 1.78% | 1.12% | 1.45% |
| 2023 | 740,693 | 725,898 | 1,466,592 | 806,424 | 783,554 | 1,589,979 | 871,441 | 842,300 | 1,713,742 | 0.76% | 0.56% | 0.66% | 1.49% | 0.67% | 1.08% | 1.94% | 1.09% | 1.52% |
| 2024 | 755,903 | 728,621 | 1,484,524 | 825,503 | 790,089 | 1,615,592 | 895,281 | 851,353 | 1,746,634 | 2.05% | 0.37% | 1.22% | 2.37% | 0.83% | 1.61% | 2.74% | 1.07% | 1.92% |
| 2025 | 756,172 | 734,135 | 1,490,307 | 831,197 | 796,623 | 1,627,820 | 908,603 | 884,918 | 1,793,521 | 0.04% | 0.76% | 0.39% | 0.69% | 0.83% | 0.76% | 1.49% | 3.94% | 2.68% |
| 2026 | 764,216 | 738,355 | 1,502,571 | 847,066 | 827,874 | 1,674,941 | 924,832 | 893,971 | 1,818,802 | 1.06% | 0.57% | 0.82% | 1.91% | 3.92% | 2.89% | 1.79% | 1.02% | 1.41% |
| 2027 | 777,468 | 767,292 | 1,544,761 | 858,116 | 835,907 | 1,694,023 | 940,645 | 903,023 | 1,843,668 | 1.73% | 3.92% | 2.81% | 1.30% | 0.97% | 1.14% | 1.71% | 1.01% | 1.37% |
| 2028 | 790,007 | 773,011 | 1,563,017 | 876,128 | 842,645 | 1,718,773 | 962,384 | 912,075 | 1,874,459 | 1.61% | 0.75% | 1.18% | 2.10% | 0.81% | 1.46% | 2.31% | 1.00% | 1.67% |
| 2029 | 796,240 | 777,639 | 1,573,879 | 885,059 | 849,383 | 1,734,442 | 973,959 | 921,128 | 1,895,087 | 0.79% | 0.60% | 0.69% | 1.02% | 0.80% | 0.91% | 1.20% | 0.99% | 1.10% |
| 2030 | 805,066 | 783,561 | 1,588,627 | 897,315 | 857,416 | 1,754,730 | 989,292 | 931,474 | 1,920,767 | 1.11% | 0.76% | 0.94% | 1.38% | 0.95% | 1.17% | 1.57% | 1.12% | 1.36% |
| 2031 | 814,868 | 789,688 | 1,604,556 | 915,633 | 888,871 | 1,804,504 | 1,011,149 | 964,836 | 1,975,985 | 1.22% | 0.78% | 1.00% | 2.04% | 3.67% | 2.84% | 2.21% | 3.58% | 2.87% |
| 2032 | 836,148 | 820,123 | 1,656,270 | 936,174 | 897,108 | 1,833,282 | 1,036,093 | 973,888 | 2,009,981 | 2.61% | 3.85% | 3.22% | 2.24% | 0.93% | 1.59% | 2.47% | 0.94% | 1.72% |
| 2033 | 839,692 | 826,249 | 1,665,941 | 941,504 | 905,344 | 1,846,848 | 1,042,896 | 984,235 | 2,027,131 | 0.42% | 0.75% | 0.58% | 0.57% | 0.92% | 0.74% | 0.66% | 1.06% | 0.85% |
| 2034 | 850,915 | 832,580 | 1,683,495 | 956,555 | 912,286 | 1,868,841 | 1,060,754 | 993,287 | 2,054,041 | 1.34% | 0.77% | 1.05% | 1.60% | 0.77% | 1.19% | 1.71% | 0.92% | 1.33% |
| 2035 | 864,378 | 838,706 | 1,703,084 | 972,092 | 920,523 | 1,892,615 | 1,079,927 | 1,002,340 | 2,082,266 | 1.58% | 0.74% | 1.16% | 1.62% | 0.90% | 1.27% | 1.81% | 0.91% | 1.37% |
| 2036 | 883,315 | 845,036 | 1,728,352 | 994,507 | 928,963 | 1,923,470 | 1,109,536 | 1,037,199 | 2,146,736 | 2.19% | 0.75% | 1.48% | 2.31% | 0.92% | 1.63% | 2.74% | 3.48% | 3.10% |
| 2037 | 887,811 | 852,661 | 1,740,472 | 1,005,985 | 961,917 | 1,967,902 | 1,118,714 | 1,047,750 | 2,166,463 | 0.51% | 0.90% | 0.70% | 1.15% | 3.55% | 2.31% | 0.83% | 1.02% | 0.92% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 1,885 | 11,028 | 12,914 | 1,998 | 11,113 | 13,111 | 2,111 | 11,200 | 13,311 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,889 | 11,172 | 13,061 | 2,016 | 11,245 | 13,261 | 2,142 | 11,321 | 13,463 | 0.22% | 1.30% | 1.14% | 0.87% | 1.19% | 1.14% | 1.48% | 1.08% | 1.14% |
| 2020 | 1,894 | 11,346 | 13,241 | 2,029 | 11,414 | 13,444 | 2,168 | 11,480 | 13,648 | 0.28% | 1.56% | 1.38% | 0.68% | 1.50% | 1.38% | 1.21% | 1.41% | 1.38% |
| 2021 | 1,901 | 11,644 | 13,545 | 2,114 | 11,638 | 13,752 | 2,258 | 11,704 | 13,962 | 0.33% | 2.63% | 2.30% | 4.19% | 1.96% | 2.30% | 4.13% | 1.95% | 2.30% |
| 2022 | 1,978 | 11,747 | 13,725 | 2,132 | 11,803 | 13,935 | 2,283 | 11,865 | 14,147 | 4.05% | 0.88% | 1.33% | 0.85% | 1.42% | 1.33% | 1.12% | 1.37% | 1.33% |
| 2023 | 1,989 | 11,916 | 13,905 | 2,147 | 11,971 | 14,118 | 2,308 | 12,025 | 14,333 | 0.56% | 1.44% | 1.31% | 0.67% | 1.43% | 1.31% | 1.09% | 1.35% | 1.31% |
| 2024 | 1,996 | 12,095 | 14,091 | 2,165 | 12,143 | 14,307 | 2,332 | 12,193 | 14,525 | 0.37% | 1.50% | 1.34% | 0.83% | 1.43% | 1.34% | 1.07% | 1.39% | 1.34% |
| 2025 | 2,011 | 12,260 | 14,271 | 2,183 | 12,307 | 14,490 | 2,424 | 12,286 | 14,711 | 0.76% | 1.36% | 1.28% | 0.83% | 1.36% | 1.28% | 3.94% | 0.77% | 1.28% |
| 2026 | 2,023 | 12,592 | 14,615 | 2,268 | 12,570 | 14,839 | 2,449 | 12,615 | 15,064 | 0.57% | 2.71% | 2.41% | 3.92% | 2.14% | 2.41% | 1.02% | 2.68% | 2.41% |
| 2027 | 2,102 | 12,699 | 14,801 | 2,290 | 12,738 | 15,028 | 2,474 | 12,782 | 15,256 | 3.92% | 0.85% | 1.27% | 0.97% | 1.33% | 1.27% | 1.01% | 1.33% | 1.27% |
| 2028 | 2,118 | 12,876 | 14,993 | 2,309 | 12,915 | 15,223 | 2,499 | 12,956 | 15,455 | 0.75% | 1.39% | 1.30% | 0.81% | 1.39% | 1.30% | 1.00% | 1.36% | 1.30% |
| 2029 | 2,131 | 13,082 | 15,213 | 2,327 | 13,119 | 15,446 | 2,524 | 13,157 | 15,681 | 0.60% | 1.60% | 1.46% | 0.80% | 1.58% | 1.46% | 0.99% | 1.55% | 1.46% |
| 2030 | 2,147 | 13,258 | 15,405 | 2,349 | 13,292 | 15,641 | 2,552 | 13,327 | 15,879 | 0.76% | 1.35% | 1.27% | 0.95% | 1.32% | 1.27% | 1.12% | 1.29% | 1.27% |
| 2031 | 2,164 | 13,624 | 15,788 | 2,435 | 13,594 | 16,030 | 2,643 | 13,630 | 16,274 | 0.78% | 2.76% | 2.48% | 3.67% | 2.27% | 2.48% | 3.58% | 2.27% | 2.48% |
| 2032 | 2,247 | 13,733 | 15,980 | 2,458 | 13,767 | 16,225 | 2,668 | 13,804 | 16,472 | 3.85% | 0.80% | 1.22% | 0.93% | 1.27% | 1.22% | 0.94% | 1.27% | 1.22% |
| 2033 | 2,264 | 13,948 | 16,212 | 2,480 | 13,980 | 16,460 | 2,697 | 14,014 | 16,711 | 0.75% | 1.56% | 1.45% | 0.92% | 1.54% | 1.45% | 1.06% | 1.52% | 1.45% |
| 2034 | 2,281 | 14,156 | 16,437 | 2,499 | 14,190 | 16,689 | 2,721 | 14,222 | 16,943 | 0.77% | 1.49% | 1.39% | 0.77% | 1.50% | 1.39% | 0.92% | 1.48% | 1.39% |
| 2035 | 2,298 | 14,371 | 16,669 | 2,522 | 14,402 | 16,924 | 2,746 | 14,436 | 17,182 | 0.74% | 1.52% | 1.41% | 0.90% | 1.50% | 1.41% | 0.91% | 1.50% | 1.41% |
| 2036 | 2,315 | 14,585 | 16,901 | 2,545 | 14,615 | 17,160 | 2,842 | 14,579 | 17,421 | 0.75% | 1.49% | 1.39% | 0.92% | 1.47% | 1.39% | 3.48% | 0.99% | 1.39% |
| 2037 | 2,336 | 14,953 | 17,289 | 2,635 | 14,919 | 17,554 | 2,871 | 14,951 | 17,822 | 0.90% | 2.52% | 2.30% | 3.55% | 2.08% | 2.30% | 1.02% | 2.55% | 2.30% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 369,051 | 1,038,398 | 1,407,449 | 390,404 | 1,088,970 | 1,479,374 | 411,481 | 1,140,406 | 1,551,888 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 369,072 | 1,039,679 | 1,408,751 | 397,694 | 1,097,595 | 1,495,289 | 426,235 | 1,155,089 | 1,581,324 | 0.01% | 0.12% | 0.09% | 1.87% | 0.79% | 1.08% | 3.59% | 1.29% | 1.90% |
| 2020 | 372,297 | 1,047,153 | 1,419,449 | 406,940 | 1,110,401 | 1,517,341 | 441,600 | 1,173,701 | 1,615,301 | 0.87% | 0.72% | 0.76% | 2.32% | 1.17% | 1.47% | 3.60% | 1.61% | 2.15% |
| 2021 | 373,383 | 1,047,076 | 1,420,458 | 412,963 | 1,143,823 | 1,556,786 | 452,281 | 1,211,621 | 1,663,902 | 0.29% | -0.01% | 0.07% | 1.48% | 3.01% | 2.60% | 2.42% | 3.23% | 3.01% |
| 2022 | 376,482 | 1,080,495 | 1,456,977 | 420,364 | 1,152,556 | 1,572,921 | 464,190 | 1,223,880 | 1,688,069 | 0.83% | 3.19% | 2.57% | 1.79% | 0.76% | 1.04% | 2.63% | 1.01% | 1.45% |
| 2023 | 380,392 | 1,086,200 | 1,466,592 | 428,256 | 1,161,723 | 1,589,979 | 476,152 | 1,237,590 | 1,713,742 | 1.04% | 0.53% | 0.66% | 1.88% | 0.80% | 1.08% | 2.58% | 1.12% | 1.52% |
| 2024 | 386,754 | 1,097,770 | 1,484,524 | 438,416 | 1,177,175 | 1,615,592 | 490,212 | 1,256,422 | 1,746,634 | 1.67% | 1.07% | 1.22% | 2.37% | 1.33% | 1.61% | 2.95% | 1.52% | 1.92% |
| 2025 | 389,768 | 1,100,538 | 1,490,307 | 444,848 | 1,182,971 | 1,627,820 | 499,827 | 1,293,694 | 1,793,521 | 0.78% | 0.25% | 0.39% | 1.47% | 0.49% | 0.76% | 1.96% | 2.97% | 2.68% |
| 2026 | 394,784 | 1,107,787 | 1,502,571 | 452,882 | 1,222,059 | 1,674,941 | 511,379 | 1,307,424 | 1,818,802 | 1.29% | 0.66% | 0.82% | 1.81% | 3.30% | 2.89% | 2.31% | 1.06% | 1.41% |
| 2027 | 400,075 | 1,144,686 | 1,544,761 | 461,374 | 1,232,649 | 1,694,023 | 522,516 | 1,321,152 | 1,843,668 | 1.34% | 3.33% | 2.81% | 1.88% | 0.87% | 1.14% | 2.18% | 1.05% | 1.37% |
| 2028 | 407,063 | 1,155,954 | 1,563,017 | 471,519 | 1,247,253 | 1,718,773 | 535,827 | 1,338,632 | 1,874,459 | 1.75% | 0.98% | 1.18% | 2.20% | 1.18% | 1.46% | 2.55% | 1.32% | 1.67% |
| 2029 | 411,511 | 1,162,369 | 1,573,879 | 478,619 | 1,255,823 | 1,734,442 | 545,662 | 1,349,425 | 1,895,087 | 1.09% | 0.55% | 0.69% | 1.51% | 0.69% | 0.91% | 1.84% | 0.81% | 1.10% |
| 2030 | 417,634 | 1,170,993 | 1,588,627 | 487,284 | 1,267,447 | 1,754,730 | 557,110 | 1,363,656 | 1,920,767 | 1.49% | 0.74% | 0.94% | 1.81% | 0.93% | 1.17% | 2.10% | 1.05% | 1.36% |
| 2031 | 423,908 | 1,180,648 | 1,604,556 | 496,244 | 1,308,260 | 1,804,504 | 568,592 | 1,407,392 | 1,975,985 | 1.50% | 0.82% | 1.00% | 1.84% | 3.22% | 2.84% | 2.06% | 3.21% | 2.87% |
| 2032 | 432,295 | 1,223,975 | 1,656,270 | 507,407 | 1,325,875 | 1,833,282 | 582,597 | 1,427,384 | 2,009,981 | 1.98% | 3.67% | 3.22% | 2.25% | 1.35% | 1.59% | 2.46% | 1.42% | 1.72% |
| 2033 | 436,925 | 1,229,015 | 1,665,941 | 514,097 | 1,332,751 | 1,846,848 | 591,255 | 1,435,876 | 2,027,131 | 1.07% | 0.41% | 0.58% | 1.32% | 0.52% | 0.74% | 1.49% | 0.59% | 0.85% |
| 2034 | 443,763 | 1,239,732 | 1,683,495 | 523,208 | 1,345,633 | 1,868,841 | 602,727 | 1,451,314 | 2,054,041 | 1.57% | 0.87% | 1.05% | 1.77% | 0.97% | 1.19% | 1.94% | 1.08% | 1.33% |
| 2035 | 451,078 | 1,252,005 | 1,703,084 | 532,895 | 1,359,720 | 1,892,615 | 614,722 | 1,467,544 | 2,082,266 | 1.65% | 0.99% | 1.16% | 1.85% | 1.05% | 1.27% | 1.99% | 1.12% | 1.37% |
| 2036 | 460,259 | 1,268,093 | 1,728,352 | 544,708 | 1,378,762 | 1,923,470 | 629,117 | 1,517,619 | 2,146,736 | 2.04% | 1.28% | 1.48% | 2.22% | 1.40% | 1.63% | 2.34% | 3.41% | 3.10% |
| 2037 | 465,610 | 1,274,862 | 1,740,472 | 551,921 | 1,415,980 | 1,967,902 | 638,006 | 1,528,458 | 2,166,463 | 1.16% | 0.53% | 0.70% | 1.32% | 2.70% | 2.31% | 1.41% | 0.71% | 0.92% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 605 | 206 | 811 | 641 | 214 | 855 | 676 | 221 | 897 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 605 | 207 | 812 | 653 | 216 | 869 | 700 | 226 | 926 | 0.03% | 0.20% | 0.07% | 1.87% | 1.17% | 1.70% | 3.57% | 1.96% | 3.18% |
| 2020 | 608 | 208 | 816 | 665 | 219 | 884 | 722 | 230 | 952 | 0.45% | 0.48% | 0.46% | 1.90% | 1.16% | 1.72% | 3.14% | 1.81% | 2.82% |
| 2021 | 613 | 209 | 822 | 678 | 222 | 900 | 743 | 235 | 978 | 0.75% | 0.60% | 0.72% | 1.90% | 1.64% | 1.84% | 2.87% | 2.14% | 2.70% |
| 2022 | 618 | 211 | 829 | 691 | 225 | 916 | 763 | 239 | 1,002 | 0.87% | 1.20% | 0.95% | 1.87% | 1.24% | 1.71% | 2.69% | 1.63% | 2.44% |
| 2023 | 625 | 213 | 838 | 704 | 228 | 931 | 783 | 243 | 1,025 | 1.05% | 0.79% | 0.98% | 1.88% | 1.19% | 1.71% | 2.56% | 1.68% | 2.35% |
| 2024 | 632 | 215 | 847 | 717 | 231 | 947 | 802 | 246 | 1,048 | 1.16% | 0.90% | 1.09% | 1.87% | 1.32% | 1.74% | 2.46% | 1.58% | 2.25% |
| 2025 | 640 | 217 | 857 | 730 | 234 | 964 | 821 | 251 | 1,072 | 1.24% | 0.97% | 1.17% | 1.91% | 1.30% | 1.76% | 2.40% | 2.00% | 2.31% |
| 2026 | 648 | 219 | 867 | 744 | 238 | 981 | 840 | 255 | 1,095 | 1.28% | 0.96% | 1.20% | 1.83% | 1.71% | 1.80% | 2.31% | 1.59% | 2.15% |
| 2027 | 657 | 223 | 879 | 758 | 241 | 999 | 859 | 259 | 1,118 | 1.36% | 1.60% | 1.42% | 1.87% | 1.33% | 1.74% | 2.20% | 1.57% | 2.05% |
| 2028 | 666 | 225 | 891 | 772 | 244 | 1,016 | 877 | 263 | 1,141 | 1.41% | 1.05% | 1.32% | 1.87% | 1.35% | 1.74% | 2.20% | 1.58% | 2.06% |
| 2029 | 676 | 228 | 903 | 786 | 248 | 1,034 | 897 | 268 | 1,164 | 1.44% | 1.22% | 1.38% | 1.84% | 1.43% | 1.74% | 2.17% | 1.58% | 2.04% |
| 2030 | 686 | 230 | 916 | 800 | 251 | 1,051 | 915 | 272 | 1,187 | 1.51% | 1.10% | 1.40% | 1.82% | 1.38% | 1.72% | 2.10% | 1.56% | 1.98% |
| 2031 | 696 | 233 | 929 | 815 | 256 | 1,071 | 934 | 277 | 1,211 | 1.49% | 1.23% | 1.43% | 1.83% | 1.79% | 1.82% | 2.06% | 1.96% | 2.04% |
| 2032 | 707 | 237 | 944 | 830 | 259 | 1,089 | 953 | 281 | 1,234 | 1.54% | 1.68% | 1.58% | 1.82% | 1.40% | 1.72% | 2.02% | 1.53% | 1.91% |
| 2033 | 718 | 240 | 958 | 845 | 263 | 1,108 | 972 | 286 | 1,258 | 1.57% | 1.30% | 1.50% | 1.82% | 1.45% | 1.73% | 1.99% | 1.54% | 1.89% |
| 2034 | 729 | 243 | 972 | 860 | 267 | 1,127 | 991 | 290 | 1,281 | 1.57% | 1.28% | 1.50% | 1.78% | 1.43% | 1.69% | 1.95% | 1.58% | 1.86% |
| 2035 | 741 | 247 | 987 | 875 | 271 | 1,146 | 1,010 | 295 | 1,305 | 1.60% | 1.41% | 1.55% | 1.80% | 1.47% | 1.72% | 1.94% | 1.52% | 1.85% |
| 2036 | 753 | 250 | 1,002 | 891 | 275 | 1,165 | 1,029 | 300 | 1,329 | 1.60% | 1.28% | 1.52% | 1.77% | 1.48% | 1.70% | 1.89% | 1.90% | 1.89% |
| 2037 | 765 | 253 | 1,018 | 907 | 280 | 1,186 | 1,048 | 305 | 1,353 | 1.61% | 1.37% | 1.55% | 1.77% | 1.82% | 1.78% | 1.86% | 1.61% | 1.81% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.80% |
| Medium: | 38.81% |
| Low: | 25.42% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

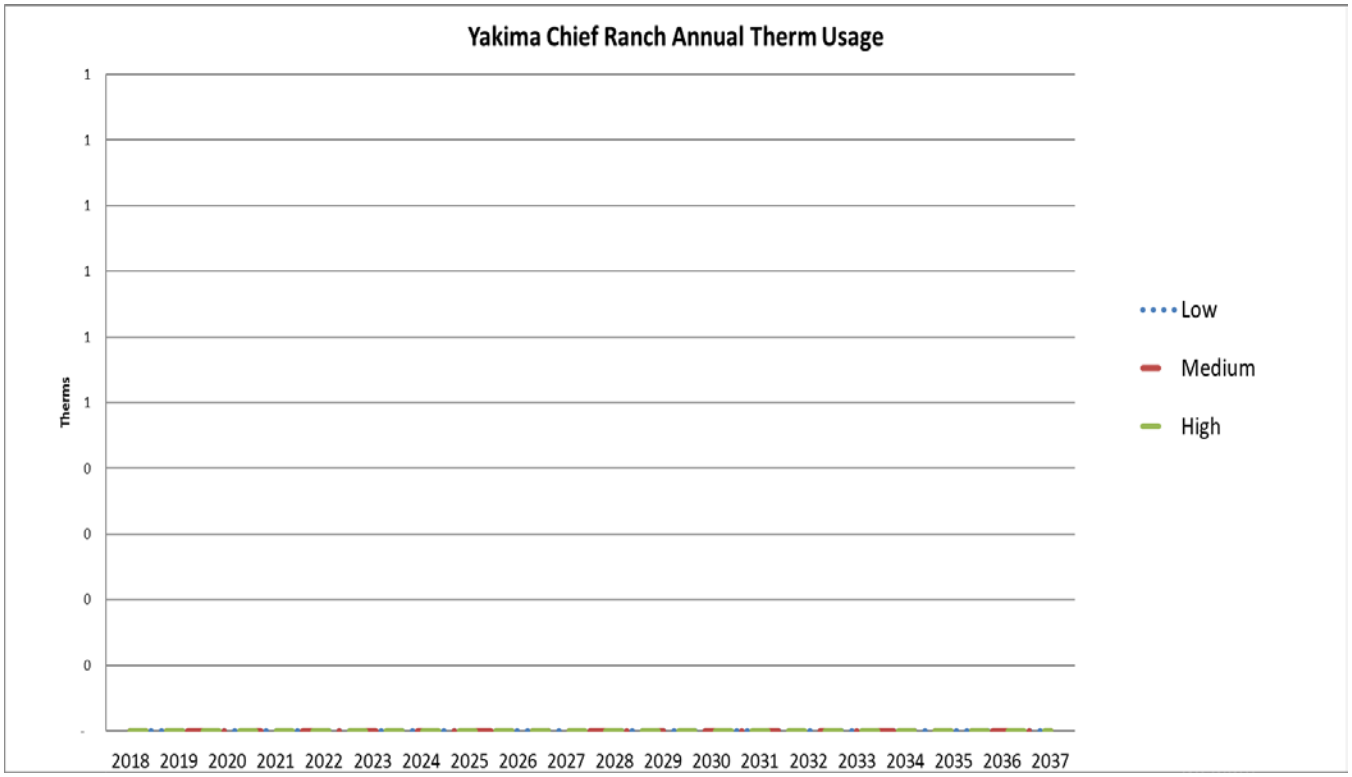
## Yakima Chief Ranch

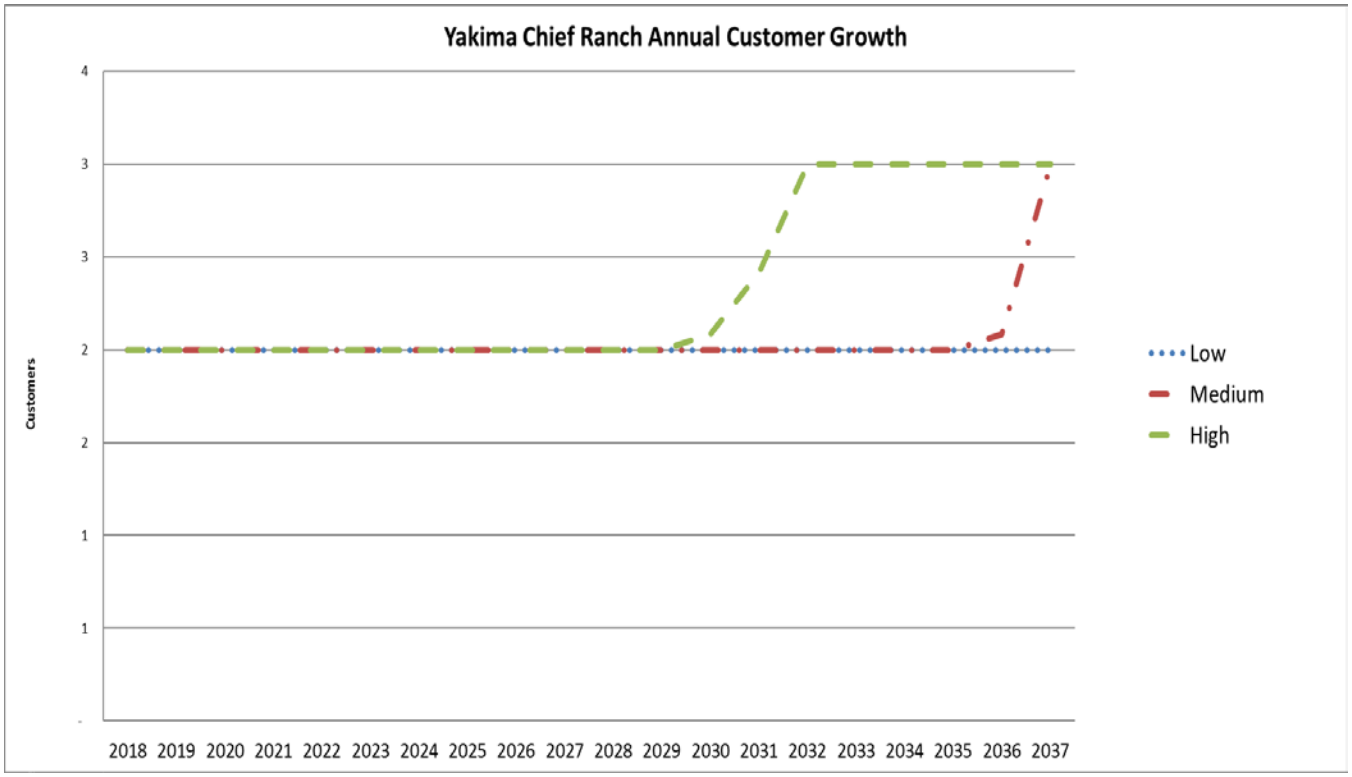
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | 20 | 20 | - | 20 | 20 | - | 20 | 20 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2031 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2032 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2033 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2037 | - | - | - | - | - | - | - | - | - | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2020 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2021 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2022 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2023 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2024 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2025 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2026 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2027 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2028 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2029 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2030 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 4.17% |
| 2031 | 2 | - | 2 | 2 | - | 2 | 2 | - | 2 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 16.00% | 0.00% | 16.00% |
| 2032 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 24.14% | 0.00% | 24.14% |
| 2033 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2034 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2035 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2036 | 2 | - | 2 | 2 | - | 2 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 4.17% | 0.00% | 4.17% | 0.00% | 0.00% | 0.00% |
| 2037 | 2 | - | 2 | 3 | - | 3 | 3 | - | 3 | 0.00% | 0.00% | 0.00% | 44.00% | 0.00% | 44.00% | 0.00% | 0.00% | 0.00% |


Yakima Chief Ranch Annual Therm Usage
Therms
1
1
1
1
1
1
0
0
0
0
-
2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037
Low
Medium
High


Yakima Chief Ranch Annual Customer Growth
Customers
4
3
3
2
2
1
1
-
2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037
Low
Medium
High

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

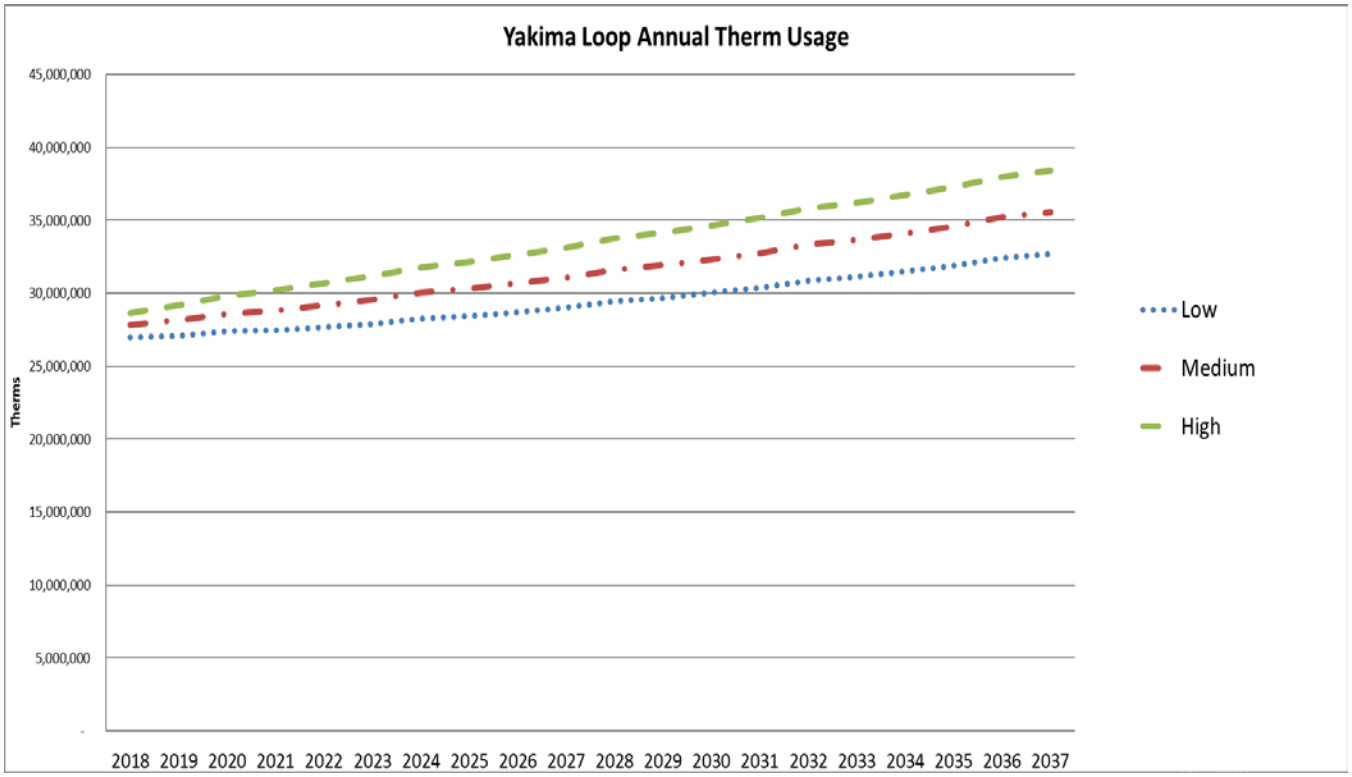
## Yakima Loop

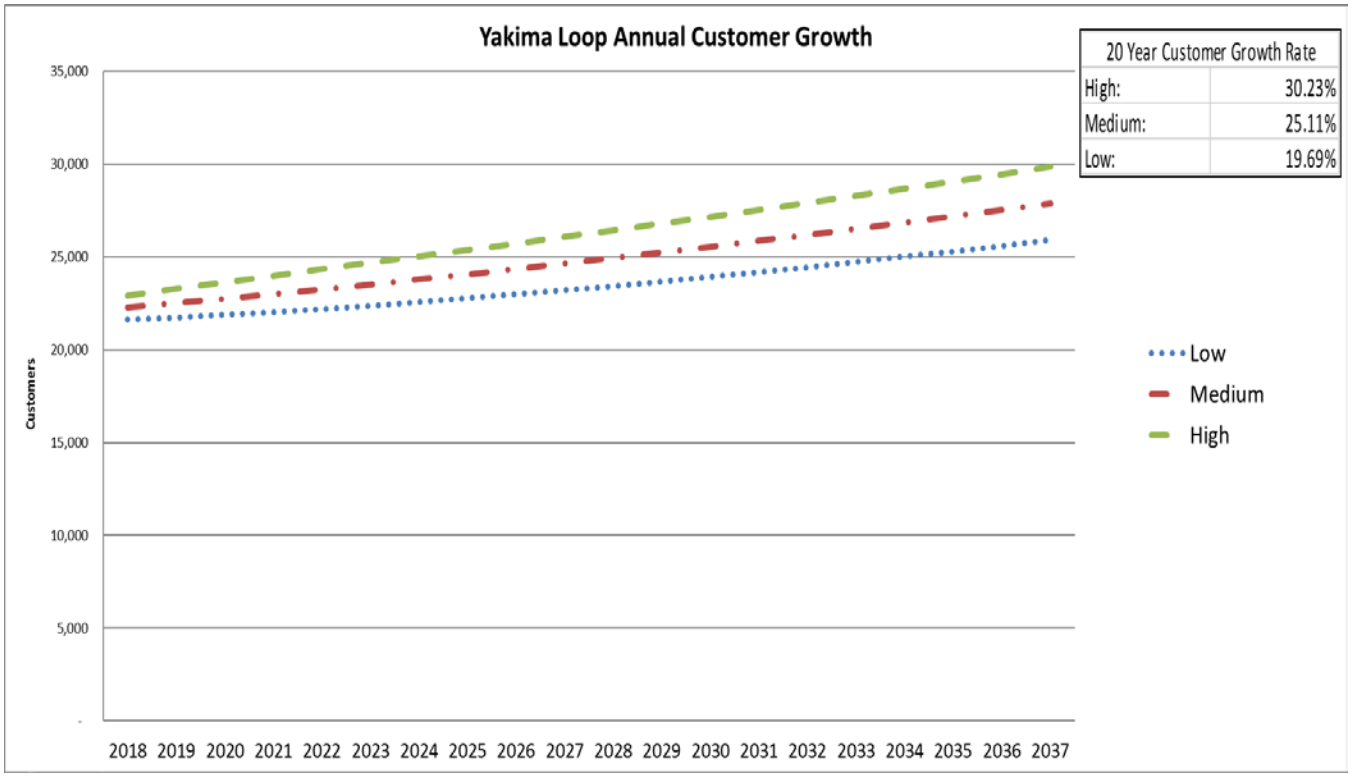
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 19,708,108 | 7,286,663 | 26,994,771 | 20,271,070 | 7,547,617 | 27,818,687 | 20,827,301 | 7,827,353 | 28,654,653 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 19,798,510 | 7,314,528 | 27,113,038 | 20,538,730 | 7,629,332 | 28,168,061 | 21,249,045 | 7,963,963 | 29,213,008 | 0.46% | 0.38% | 0.44% | 1.32% | 1.08% | 1.26% | 2.02% | 1.75% | 1.95% |
| 2020 | 20,033,540 | 7,353,107 | 27,386,648 | 20,886,177 | 7,736,980 | 28,623,157 | 21,718,582 | 8,120,719 | 29,839,301 | 1.19% | 0.53% | 1.01% | 1.69% | 1.41% | 1.62% | 2.21% | 1.97% | 2.14% |
| 2021 | 20,069,368 | 7,399,482 | 27,468,850 | 21,009,418 | 7,829,435 | 28,838,853 | 21,955,868 | 8,259,388 | 30,215,256 | 0.18% | 0.63% | 0.30% | 0.59% | 1.19% | 0.75% | 1.09% | 1.71% | 1.26% |
| 2022 | 20,215,356 | 7,470,050 | 27,685,405 | 21,247,793 | 7,944,235 | 29,192,027 | 22,280,554 | 8,417,508 | 30,698,062 | 0.73% | 0.95% | 0.79% | 1.13% | 1.47% | 1.22% | 1.48% | 1.91% | 1.60% |
| 2023 | 20,385,687 | 7,525,398 | 27,911,085 | 21,505,457 | 8,041,190 | 29,546,646 | 22,620,911 | 8,556,981 | 31,177,892 | 0.84% | 0.74% | 0.82% | 1.21% | 1.22% | 1.21% | 1.53% | 1.66% | 1.56% |
| 2024 | 20,694,138 | 7,605,049 | 28,299,186 | 21,903,294 | 8,140,904 | 30,044,199 | 23,100,205 | 8,696,453 | 31,796,659 | 1.51% | 1.06% | 1.39% | 1.85% | 1.24% | 1.68% | 2.12% | 1.63% | 1.98% |
| 2025 | 20,789,718 | 7,668,033 | 28,457,751 | 22,044,253 | 8,263,072 | 30,307,325 | 23,325,006 | 8,837,239 | 32,162,245 | 0.46% | 0.83% | 0.56% | 0.64% | 1.50% | 0.88% | 0.97% | 1.62% | 1.15% |
| 2026 | 20,973,564 | 7,754,006 | 28,727,570 | 22,320,898 | 8,366,082 | 30,686,980 | 23,674,015 | 8,979,203 | 32,653,218 | 0.88% | 1.12% | 0.95% | 1.25% | 1.25% | 1.25% | 1.50% | 1.61% | 1.53% |
| 2027 | 21,188,800 | 7,843,140 | 29,031,940 | 22,601,514 | 8,492,724 | 31,094,238 | 24,023,139 | 9,122,614 | 33,145,753 | 1.03% | 1.15% | 1.06% | 1.26% | 1.51% | 1.33% | 1.47% | 1.60% | 1.51% |
| 2028 | 21,534,679 | 7,934,256 | 29,468,935 | 23,014,001 | 8,600,342 | 31,614,342 | 24,506,691 | 9,267,339 | 33,774,030 | 1.63% | 1.16% | 1.51% | 1.83% | 1.27% | 1.67% | 2.01% | 1.59% | 1.90% |
| 2029 | 21,657,598 | 8,029,579 | 29,687,177 | 23,188,940 | 8,731,458 | 31,920,398 | 24,734,657 | 9,413,643 | 34,148,300 | 0.57% | 1.20% | 0.74% | 0.76% | 1.52% | 0.97% | 0.93% | 1.58% | 1.11% |
| 2030 | 21,903,829 | 8,126,750 | 30,030,579 | 23,490,923 | 8,843,550 | 32,334,473 | 25,078,222 | 9,580,177 | 34,658,399 | 1.14% | 1.21% | 1.16% | 1.30% | 1.28% | 1.30% | 1.39% | 1.77% | 1.49% |
| 2031 | 22,151,575 | 8,226,949 | 30,378,524 | 23,800,607 | 8,978,229 | 32,778,836 | 25,445,555 | 9,729,375 | 35,174,931 | 1.13% | 1.23% | 1.16% | 1.32% | 1.52% | 1.37% | 1.46% | 1.56% | 1.49% |
| 2032 | 22,541,989 | 8,328,996 | 30,870,985 | 24,254,334 | 9,094,662 | 33,348,996 | 25,963,280 | 9,880,154 | 35,843,434 | 1.76% | 1.24% | 1.62% | 1.91% | 1.30% | 1.74% | 2.03% | 1.55% | 1.90% |
| 2033 | 22,682,150 | 8,433,937 | 31,116,087 | 24,430,105 | 9,233,681 | 33,663,786 | 26,185,361 | 10,032,380 | 36,217,742 | 0.62% | 1.26% | 0.79% | 0.72% | 1.53% | 0.94% | 0.86% | 1.54% | 1.04% |
| 2034 | 22,957,480 | 8,540,726 | 31,498,207 | 24,762,113 | 9,353,543 | 34,115,656 | 26,562,515 | 10,186,053 | 36,748,568 | 1.21% | 1.27% | 1.23% | 1.36% | 1.30% | 1.34% | 1.44% | 1.53% | 1.47% |
| 2035 | 23,243,024 | 8,650,275 | 31,893,299 | 25,098,859 | 9,495,724 | 34,594,583 | 26,950,685 | 10,341,172 | 37,291,857 | 1.24% | 1.28% | 1.25% | 1.36% | 1.52% | 1.40% | 1.46% | 1.52% | 1.48% |
| 2036 | 23,665,846 | 8,761,672 | 32,427,518 | 25,593,831 | 9,619,792 | 35,213,622 | 27,498,945 | 10,497,739 | 37,996,684 | 1.82% | 1.29% | 1.68% | 1.97% | 1.31% | 1.79% | 2.03% | 1.51% | 1.89% |
| 2037 | 23,822,916 | 8,874,650 | 32,697,566 | 25,776,663 | 9,765,268 | 35,541,931 | 27,734,595 | 10,655,752 | 38,390,347 | 0.66% | 1.29% | 0.83% | 0.71% | 1.51% | 0.93% | 0.86% | 1.51% | 1.04% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 19,963 | 269,636 | 289,599 | 20,678 | 273,359 | 294,038 | 21,445 | 277,070 | 298,515 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 20,040 | 272,820 | 292,860 | 20,902 | 276,446 | 297,348 | 21,819 | 280,057 | 301,876 | 0.38% | 1.18% | 1.13% | 1.08% | 1.13% | 1.13% | 1.75% | 1.08% | 1.13% |
| 2020 | 20,145 | 275,991 | 296,137 | 21,197 | 279,478 | 300,675 | 22,249 | 283,005 | 305,254 | 0.53% | 1.16% | 1.12% | 1.41% | 1.10% | 1.12% | 1.97% | 1.05% | 1.12% |
| 2021 | 20,273 | 279,539 | 299,812 | 21,451 | 282,956 | 304,407 | 22,628 | 286,413 | 309,042 | 0.63% | 1.29% | 1.24% | 1.19% | 1.24% | 1.24% | 1.71% | 1.20% | 1.24% |
| 2022 | 20,466 | 282,796 | 303,262 | 21,765 | 286,144 | 307,909 | 23,062 | 289,536 | 312,598 | 0.95% | 1.16% | 1.15% | 1.47% | 1.13% | 1.15% | 1.91% | 1.09% | 1.15% |
| 2023 | 20,618 | 286,217 | 306,835 | 22,031 | 289,507 | 311,537 | 23,444 | 292,837 | 316,281 | 0.74% | 1.21% | 1.18% | 1.22% | 1.18% | 1.18% | 1.66% | 1.14% | 1.18% |
| 2024 | 20,836 | 289,984 | 310,820 | 22,304 | 293,280 | 315,584 | 23,826 | 296,563 | 320,389 | 1.06% | 1.32% | 1.30% | 1.24% | 1.30% | 1.30% | 1.63% | 1.27% | 1.30% |
| 2025 | 21,008 | 293,588 | 314,596 | 22,639 | 296,779 | 319,418 | 24,212 | 300,070 | 324,281 | 0.83% | 1.24% | 1.21% | 1.50% | 1.19% | 1.21% | 1.62% | 1.18% | 1.21% |
| 2026 | 21,244 | 297,570 | 318,814 | 22,921 | 300,779 | 323,700 | 24,601 | 304,028 | 328,629 | 1.12% | 1.36% | 1.34% | 1.25% | 1.35% | 1.34% | 1.61% | 1.32% | 1.34% |
| 2027 | 21,488 | 301,253 | 322,741 | 23,268 | 304,420 | 327,687 | 24,993 | 307,684 | 332,677 | 1.15% | 1.24% | 1.23% | 1.51% | 1.21% | 1.23% | 1.60% | 1.20% | 1.23% |
| 2028 | 21,738 | 305,402 | 327,140 | 23,563 | 308,591 | 332,154 | 25,390 | 311,822 | 337,212 | 1.16% | 1.38% | 1.36% | 1.27% | 1.37% | 1.36% | 1.59% | 1.34% | 1.36% |
| 2029 | 21,999 | 309,250 | 331,249 | 23,922 | 312,404 | 336,326 | 25,791 | 315,656 | 341,447 | 1.20% | 1.26% | 1.26% | 1.52% | 1.24% | 1.26% | 1.58% | 1.23% | 1.26% |
| 2030 | 22,265 | 313,534 | 335,799 | 24,229 | 316,717 | 340,946 | 26,247 | 319,890 | 346,137 | 1.21% | 1.39% | 1.37% | 1.28% | 1.38% | 1.37% | 1.77% | 1.34% | 1.37% |
| 2031 | 22,540 | 317,550 | 340,089 | 24,598 | 320,704 | 345,302 | 26,656 | 323,904 | 350,559 | 1.23% | 1.28% | 1.28% | 1.52% | 1.26% | 1.28% | 1.56% | 1.25% | 1.28% |
| 2032 | 22,819 | 321,995 | 344,814 | 24,917 | 325,182 | 350,099 | 27,069 | 328,361 | 355,430 | 1.24% | 1.40% | 1.39% | 1.30% | 1.40% | 1.39% | 1.55% | 1.38% | 1.39% |
| 2033 | 23,107 | 326,172 | 349,278 | 25,298 | 329,334 | 354,632 | 27,486 | 332,545 | 360,031 | 1.26% | 1.30% | 1.29% | 1.53% | 1.28% | 1.29% | 1.54% | 1.27% | 1.29% |
| 2034 | 23,399 | 330,741 | 354,141 | 25,626 | 333,942 | 359,568 | 27,907 | 337,136 | 365,043 | 1.27% | 1.40% | 1.39% | 1.30% | 1.40% | 1.39% | 1.53% | 1.38% | 1.39% |
| 2035 | 23,699 | 335,043 | 358,742 | 26,016 | 338,225 | 364,240 | 28,332 | 341,455 | 369,787 | 1.28% | 1.30% | 1.30% | 1.52% | 1.28% | 1.30% | 1.52% | 1.28% | 1.30% |
| 2036 | 24,005 | 339,730 | 363,735 | 26,356 | 342,954 | 369,310 | 28,761 | 346,172 | 374,933 | 1.29% | 1.40% | 1.39% | 1.31% | 1.40% | 1.39% | 1.51% | 1.38% | 1.39% |
| 2037 | 24,314 | 344,190 | 368,504 | 26,754 | 347,397 | 374,151 | 29,194 | 350,655 | 379,849 | 1.29% | 1.31% | 1.31% | 1.51% | 1.30% | 1.31% | 1.51% | 1.29% | 1.31% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 12,142,123 | 14,852,647 | 26,994,771 | 12,502,649 | 15,316,038 | 27,818,687 | 12,863,352 | 15,791,302 | 28,654,653 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 12,204,725 | 14,908,313 | 27,113,038 | 12,643,861 | 15,524,200 | 28,168,061 | 13,082,681 | 16,130,326 | 29,213,008 | 0.52% | 0.37% | 0.44% | 1.13% | 1.36% | 1.26% | 1.71% | 2.15% | 1.95% |
| 2020 | 12,331,459 | 15,055,189 | 27,386,648 | 12,835,446 | 15,787,711 | 28,623,157 | 13,339,068 | 16,500,232 | 29,839,301 | 1.04% | 0.99% | 1.01% | 1.52% | 1.70% | 1.62% | 1.96% | 2.29% | 2.14% |
| 2021 | 12,357,518 | 15,111,332 | 27,468,850 | 12,913,501 | 15,925,352 | 28,838,853 | 13,469,873 | 16,745,383 | 30,215,256 | 0.21% | 0.37% | 0.30% | 0.61% | 0.87% | 0.75% | 0.98% | 1.49% | 1.26% |
| 2022 | 12,442,847 | 15,242,558 | 27,685,405 | 13,048,299 | 16,143,728 | 29,192,027 | 13,653,533 | 17,044,529 | 30,698,062 | 0.69% | 0.87% | 0.79% | 1.04% | 1.37% | 1.22% | 1.36% | 1.79% | 1.60% |
| 2023 | 12,537,605 | 15,373,480 | 27,911,085 | 13,188,170 | 16,358,476 | 29,546,646 | 13,838,908 | 17,338,985 | 31,177,892 | 0.76% | 0.86% | 0.82% | 1.07% | 1.33% | 1.21% | 1.36% | 1.73% | 1.56% |
| 2024 | 12,696,521 | 15,602,666 | 28,299,186 | 13,392,663 | 16,651,536 | 30,044,199 | 14,088,692 | 17,707,967 | 31,796,659 | 1.27% | 1.49% | 1.39% | 1.55% | 1.79% | 1.68% | 1.80% | 2.13% | 1.98% |
| 2025 | 12,748,716 | 15,709,035 | 28,457,751 | 13,481,735 | 16,825,590 | 30,307,325 | 14,214,926 | 17,947,319 | 32,162,245 | 0.41% | 0.68% | 0.56% | 0.67% | 1.05% | 0.88% | 0.90% | 1.35% | 1.15% |
| 2026 | 12,862,271 | 15,865,299 | 28,727,570 | 13,633,366 | 17,053,614 | 30,686,980 | 14,404,234 | 18,248,985 | 32,653,218 | 0.89% | 0.99% | 0.95% | 1.12% | 1.36% | 1.25% | 1.33% | 1.68% | 1.53% |
| 2027 | 12,981,228 | 16,050,712 | 29,031,940 | 13,788,273 | 17,305,965 | 31,094,238 | 14,595,342 | 18,550,411 | 33,145,753 | 0.92% | 1.17% | 1.06% | 1.14% | 1.48% | 1.33% | 1.33% | 1.65% | 1.51% |
| 2028 | 13,158,988 | 16,309,947 | 29,468,935 | 14,003,974 | 17,610,368 | 31,614,342 | 14,849,048 | 18,924,982 | 33,774,030 | 1.37% | 1.62% | 1.51% | 1.56% | 1.76% | 1.67% | 1.74% | 2.02% | 1.90% |
| 2029 | 13,233,873 | 16,453,304 | 29,687,177 | 14,108,696 | 17,811,702 | 31,920,398 | 14,983,581 | 19,164,719 | 34,148,300 | 0.57% | 0.88% | 0.74% | 0.75% | 1.14% | 0.97% | 0.91% | 1.27% | 1.11% |
| 2030 | 13,367,351 | 16,663,228 | 30,030,579 | 14,273,975 | 18,060,498 | 32,334,473 | 15,180,857 | 19,477,541 | 34,658,399 | 1.01% | 1.28% | 1.16% | 1.17% | 1.40% | 1.30% | 1.32% | 1.63% | 1.49% |
| 2031 | 13,504,850 | 16,873,673 | 30,378,524 | 14,442,466 | 18,336,371 | 32,778,836 | 15,380,282 | 19,794,649 | 35,174,931 | 1.03% | 1.26% | 1.16% | 1.18% | 1.53% | 1.37% | 1.31% | 1.63% | 1.49% |
| 2032 | 13,706,583 | 17,164,403 | 30,870,985 | 14,678,451 | 18,670,545 | 33,348,996 | 15,650,249 | 20,193,186 | 35,843,434 | 1.49% | 1.72% | 1.62% | 1.63% | 1.82% | 1.74% | 1.76% | 2.01% | 1.90% |
| 2033 | 13,790,391 | 17,325,696 | 31,116,087 | 14,786,831 | 18,876,955 | 33,663,786 | 15,783,188 | 20,434,553 | 36,217,742 | 0.61% | 0.94% | 0.79% | 0.74% | 1.11% | 0.94% | 0.85% | 1.20% | 1.04% |
| 2034 | 13,939,886 | 17,558,321 | 31,498,207 | 14,964,580 | 19,151,076 | 34,115,656 | 15,989,127 | 20,759,441 | 36,748,568 | 1.08% | 1.34% | 1.23% | 1.20% | 1.45% | 1.34% | 1.30% | 1.59% | 1.47% |
| 2035 | 14,094,848 | 17,798,451 | 31,893,299 | 15,147,263 | 19,447,320 | 34,594,583 | 16,199,343 | 21,092,514 | 37,291,857 | 1.11% | 1.37% | 1.25% | 1.22% | 1.55% | 1.40% | 1.31% | 1.60% | 1.48% |
| 2036 | 14,314,097 | 18,113,421 | 32,427,518 | 15,397,556 | 19,816,067 | 35,213,622 | 16,481,268 | 21,515,416 | 37,996,684 | 1.56% | 1.77% | 1.68% | 1.65% | 1.90% | 1.79% | 1.74% | 2.00% | 1.89% |
| 2037 | 14,411,043 | 18,286,522 | 32,697,566 | 15,516,214 | 20,025,717 | 35,541,931 | 16,620,995 | 21,769,352 | 38,390,347 | 0.68% | 0.96% | 0.83% | 0.77% | 1.06% | 0.93% | 0.85% | 1.18% | 1.04% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 18,227 | 3,412 | 21,638 | 18,786 | 3,492 | 22,277 | 19,344 | 3,572 | 22,916 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 18,309 | 3,430 | 21,739 | 18,980 | 3,534 | 22,513 | 19,650 | 3,637 | 23,287 | 0.45% | 0.55% | 0.47% | 1.03% | 1.20% | 1.06% | 1.58% | 1.81% | 1.62% |
| 2020 | 18,416 | 3,455 | 21,871 | 19,180 | 3,577 | 22,757 | 19,944 | 3,698 | 23,642 | 0.59% | 0.71% | 0.61% | 1.06% | 1.22% | 1.08% | 1.49% | 1.70% | 1.52% |
| 2021 | 18,540 | 3,483 | 22,023 | 19,385 | 3,621 | 23,006 | 20,231 | 3,759 | 23,990 | 0.67% | 0.83% | 0.69% | 1.07% | 1.24% | 1.09% | 1.44% | 1.64% | 1.47% |
| 2022 | 18,674 | 3,515 | 22,189 | 19,595 | 3,667 | 23,262 | 20,515 | 3,820 | 24,335 | 0.73% | 0.92% | 0.76% | 1.08% | 1.28% | 1.11% | 1.40% | 1.62% | 1.44% |
| 2023 | 18,820 | 3,549 | 22,369 | 19,809 | 3,715 | 23,523 | 20,798 | 3,881 | 24,679 | 0.78% | 0.97% | 0.81% | 1.09% | 1.29% | 1.12% | 1.38% | 1.59% | 1.41% |
| 2024 | 18,975 | 3,586 | 22,561 | 20,028 | 3,764 | 23,792 | 21,081 | 3,942 | 25,024 | 0.82% | 1.04% | 0.86% | 1.11% | 1.33% | 1.14% | 1.36% | 1.58% | 1.40% |
| 2025 | 19,139 | 3,626 | 22,764 | 20,253 | 3,815 | 24,068 | 21,367 | 4,004 | 25,371 | 0.87% | 1.10% | 0.90% | 1.12% | 1.35% | 1.16% | 1.35% | 1.58% | 1.39% |
| 2026 | 19,311 | 3,666 | 22,978 | 20,483 | 3,867 | 24,350 | 21,654 | 4,068 | 25,722 | 0.90% | 1.13% | 0.94% | 1.14% | 1.36% | 1.17% | 1.34% | 1.58% | 1.38% |
| 2027 | 19,492 | 3,710 | 23,202 | 20,718 | 3,921 | 24,639 | 21,944 | 4,131 | 26,076 | 0.94% | 1.18% | 0.97% | 1.15% | 1.40% | 1.19% | 1.34% | 1.57% | 1.38% |
| 2028 | 19,680 | 3,755 | 23,435 | 20,959 | 3,976 | 24,935 | 22,238 | 4,196 | 26,434 | 0.97% | 1.23% | 1.01% | 1.16% | 1.40% | 1.20% | 1.34% | 1.57% | 1.37% |
| 2029 | 19,876 | 3,802 | 23,678 | 21,205 | 4,032 | 25,237 | 22,534 | 4,262 | 26,796 | 0.99% | 1.26% | 1.04% | 1.17% | 1.43% | 1.21% | 1.33% | 1.57% | 1.37% |
| 2030 | 20,079 | 3,851 | 23,930 | 21,456 | 4,090 | 25,545 | 22,833 | 4,329 | 27,162 | 1.02% | 1.29% | 1.06% | 1.18% | 1.42% | 1.22% | 1.33% | 1.57% | 1.37% |
| 2031 | 20,287 | 3,902 | 24,189 | 21,712 | 4,149 | 25,861 | 23,136 | 4,397 | 27,532 | 1.04% | 1.31% | 1.08% | 1.19% | 1.45% | 1.23% | 1.33% | 1.56% | 1.36% |
| 2032 | 20,503 | 3,954 | 24,457 | 21,972 | 4,210 | 26,182 | 23,442 | 4,465 | 27,907 | 1.06% | 1.34% | 1.11% | 1.20% | 1.45% | 1.24% | 1.32% | 1.57% | 1.36% |
| 2033 | 20,724 | 4,008 | 24,732 | 22,238 | 4,272 | 26,509 | 23,751 | 4,535 | 28,286 | 1.08% | 1.36% | 1.13% | 1.21% | 1.47% | 1.25% | 1.32% | 1.56% | 1.36% |
| 2034 | 20,951 | 4,063 | 25,014 | 22,508 | 4,334 | 26,842 | 24,064 | 4,606 | 28,670 | 1.10% | 1.38% | 1.14% | 1.21% | 1.47% | 1.25% | 1.32% | 1.56% | 1.36% |
| 2035 | 21,183 | 4,120 | 25,303 | 22,782 | 4,399 | 27,180 | 24,379 | 4,678 | 29,058 | 1.11% | 1.39% | 1.16% | 1.22% | 1.49% | 1.26% | 1.31% | 1.56% | 1.35% |
| 2036 | 21,421 | 4,177 | 25,599 | 23,060 | 4,464 | 27,524 | 24,698 | 4,751 | 29,449 | 1.12% | 1.40% | 1.17% | 1.22% | 1.49% | 1.26% | 1.31% | 1.56% | 1.35% |
| 2037 | 21,664 | 4,236 | 25,900 | 23,342 | 4,530 | 27,872 | 25,020 | 4,824 | 29,844 | 1.13% | 1.41% | 1.18% | 1.22% | 1.48% | 1.27% | 1.30% | 1.55% | 1.34% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.23% |
| Medium: | 25.11% |
| Low: | 19.69% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

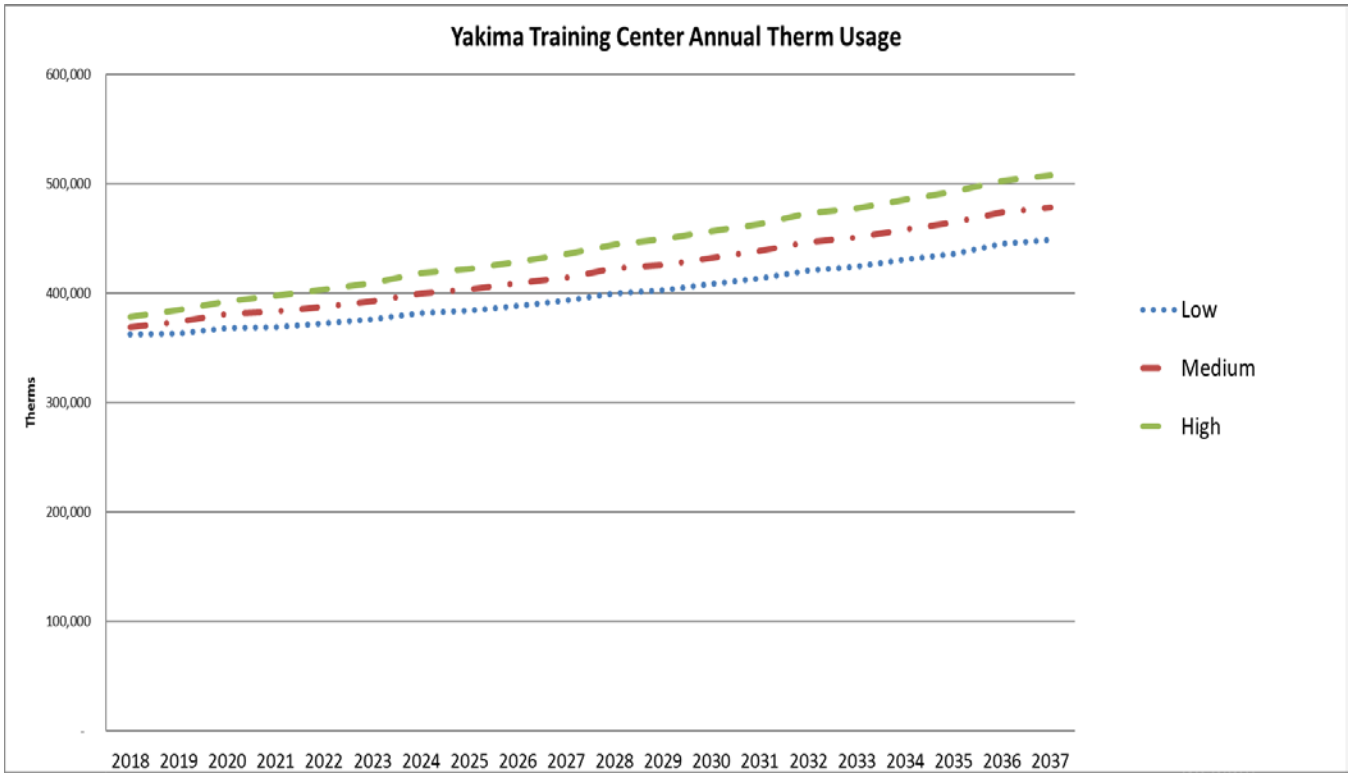
## Yakima Training Center

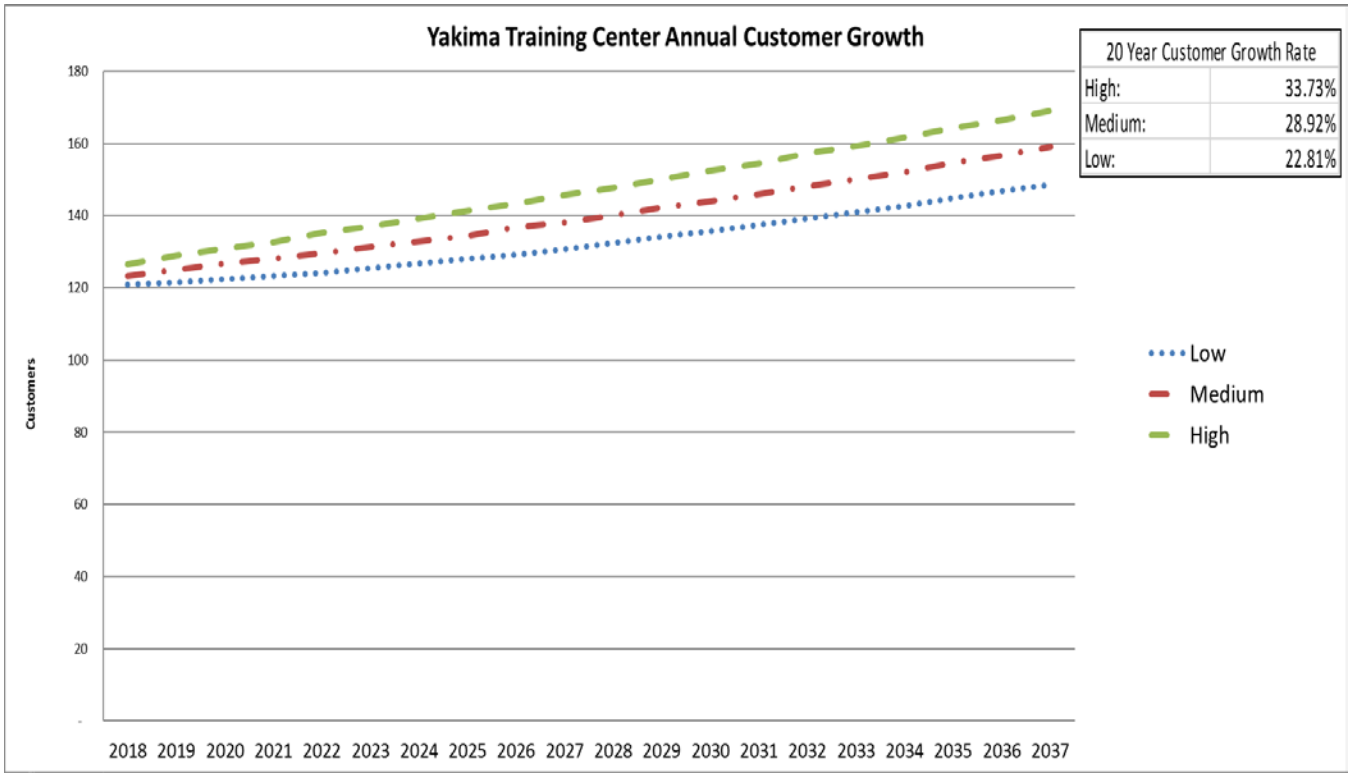
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 339,493 | 23,375 | 362,868 | 345,232 | 23,874 | 369,107 | 353,741 | 24,373 | 378,114 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 340,156 | 23,389 | 363,545 | 349,855 | 24,131 | 373,986 | 359,859 | 24,858 | 384,717 | 0.20% | 0.06% | 0.19% | 1.34% | 1.07% | 1.32% | 1.73% | 1.99% | 1.75% |
| 2020 | 344,795 | 23,632 | 368,426 | 356,969 | 24,373 | 381,342 | 367,511 | 25,357 | 392,868 | 1.36% | 1.04% | 1.34% | 2.03% | 1.01% | 1.97% | 2.13% | 2.01% | 2.12% |
| 2021 | 345,174 | 23,874 | 369,048 | 358,725 | 24,616 | 383,341 | 371,961 | 25,600 | 397,561 | 0.11% | 1.03% | 0.17% | 0.49% | 1.00% | 0.52% | 1.21% | 0.96% | 1.19% |
| 2022 | 348,611 | 24,117 | 372,728 | 362,757 | 25,101 | 387,858 | 377,529 | 26,099 | 403,628 | 1.00% | 1.02% | 1.00% | 1.12% | 1.97% | 1.18% | 1.50% | 1.95% | 1.53% |
| 2023 | 352,162 | 24,359 | 376,521 | 367,528 | 25,357 | 392,885 | 383,046 | 26,584 | 409,630 | 1.02% | 1.01% | 1.02% | 1.32% | 1.02% | 1.30% | 1.46% | 1.86% | 1.49% |
| 2024 | 357,623 | 24,602 | 382,224 | 374,707 | 25,600 | 400,307 | 391,738 | 26,826 | 418,564 | 1.55% | 1.00% | 1.51% | 1.95% | 0.96% | 1.89% | 2.27% | 0.91% | 2.18% |
| 2025 | 359,216 | 24,858 | 384,074 | 377,306 | 26,085 | 403,391 | 395,112 | 27,325 | 422,438 | 0.45% | 1.04% | 0.48% | 0.69% | 1.89% | 0.77% | 0.86% | 1.86% | 0.93% |
| 2026 | 363,253 | 25,101 | 388,354 | 383,286 | 26,341 | 409,627 | 400,927 | 27,810 | 428,738 | 1.12% | 0.98% | 1.11% | 1.58% | 0.98% | 1.55% | 1.47% | 1.78% | 1.49% |
| 2027 | 368,312 | 25,343 | 393,655 | 387,299 | 26,826 | 414,125 | 407,694 | 28,309 | 436,003 | 1.39% | 0.97% | 1.36% | 1.05% | 1.84% | 1.10% | 1.69% | 1.79% | 1.69% |
| 2028 | 374,553 | 25,586 | 400,139 | 395,688 | 27,069 | 422,757 | 416,183 | 28,552 | 444,735 | 1.69% | 0.96% | 1.65% | 2.17% | 0.90% | 2.08% | 2.08% | 0.86% | 2.00% |
| 2029 | 376,726 | 26,085 | 402,810 | 398,578 | 27,568 | 426,146 | 420,591 | 29,037 | 449,628 | 0.58% | 1.95% | 0.67% | 0.73% | 1.84% | 0.80% | 1.06% | 1.70% | 1.10% |
| 2030 | 382,345 | 26,327 | 408,673 | 404,065 | 28,053 | 432,118 | 427,029 | 29,536 | 456,565 | 1.49% | 0.93% | 1.46% | 1.38% | 1.76% | 1.40% | 1.53% | 1.72% | 1.54% |
| 2031 | 386,531 | 26,812 | 413,344 | 410,569 | 28,295 | 438,864 | 433,190 | 30,021 | 463,212 | 1.09% | 1.84% | 1.14% | 1.61% | 0.86% | 1.56% | 1.44% | 1.64% | 1.46% |
| 2032 | 393,543 | 27,069 | 420,612 | 417,815 | 28,794 | 446,610 | 442,561 | 30,520 | 473,081 | 1.81% | 0.96% | 1.76% | 1.77% | 1.76% | 1.76% | 2.16% | 1.66% | 2.13% |
| 2033 | 396,884 | 27,554 | 424,438 | 421,494 | 29,280 | 450,773 | 446,847 | 31,005 | 477,853 | 0.85% | 1.79% | 0.91% | 0.88% | 1.68% | 0.93% | 0.97% | 1.59% | 1.01% |
| 2034 | 403,247 | 27,796 | 431,044 | 428,726 | 29,522 | 458,248 | 453,907 | 31,490 | 485,397 | 1.60% | 0.88% | 1.56% | 1.72% | 0.83% | 1.66% | 1.58% | 1.56% | 1.58% |
| 2035 | 407,814 | 28,281 | 436,096 | 434,553 | 30,021 | 464,574 | 460,941 | 31,989 | 492,931 | 1.13% | 1.74% | 1.17% | 1.36% | 1.69% | 1.38% | 1.55% | 1.58% | 1.55% |
| 2036 | 416,872 | 28,538 | 445,410 | 443,332 | 30,506 | 473,838 | 470,426 | 32,474 | 502,900 | 2.22% | 0.91% | 2.14% | 2.02% | 1.62% | 1.99% | 2.06% | 1.52% | 2.02% |
| 2037 | 419,546 | 29,023 | 448,569 | 447,291 | 30,991 | 478,282 | 474,982 | 32,973 | 507,955 | 0.64% | 1.70% | 0.71% | 0.89% | 1.59% | 0.94% | 0.97% | 1.54% | 1.01% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 64 | 3,881 | 3,945 | 65 | 3,940 | 4,006 | 67 | 4,000 | 4,067 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 64 | 3,920 | 3,985 | 66 | 3,980 | 4,046 | 68 | 4,039 | 4,107 | 0.06% | 1.01% | 1.00% | 1.07% | 1.00% | 1.00% | 1.99% | 0.98% | 1.00% |
| 2020 | 65 | 3,998 | 4,063 | 67 | 4,059 | 4,126 | 69 | 4,119 | 4,188 | 1.04% | 1.99% | 1.97% | 1.01% | 1.99% | 1.97% | 2.01% | 1.97% | 1.97% |
| 2021 | 65 | 4,039 | 4,104 | 67 | 4,100 | 4,167 | 70 | 4,161 | 4,231 | 1.03% | 1.01% | 1.01% | 1.00% | 1.01% | 1.01% | 0.96% | 1.02% | 1.01% |
| 2022 | 66 | 4,078 | 4,144 | 69 | 4,139 | 4,207 | 72 | 4,200 | 4,271 | 1.02% | 0.96% | 0.96% | 1.97% | 0.94% | 0.96% | 1.95% | 0.94% | 0.96% |
| 2023 | 67 | 4,156 | 4,222 | 69 | 4,218 | 4,287 | 73 | 4,280 | 4,352 | 1.01% | 1.91% | 1.90% | 1.02% | 1.91% | 1.90% | 1.86% | 1.90% | 1.90% |
| 2024 | 67 | 4,194 | 4,262 | 70 | 4,257 | 4,327 | 73 | 4,320 | 4,393 | 1.00% | 0.93% | 0.93% | 0.96% | 0.93% | 0.93% | 0.91% | 0.93% | 0.93% |
| 2025 | 68 | 4,235 | 4,303 | 71 | 4,298 | 4,369 | 75 | 4,361 | 4,435 | 1.04% | 0.97% | 0.97% | 1.89% | 0.95% | 0.97% | 1.86% | 0.95% | 0.97% |
| 2026 | 69 | 4,313 | 4,382 | 72 | 4,377 | 4,449 | 76 | 4,440 | 4,517 | 0.98% | 1.84% | 1.83% | 0.98% | 1.84% | 1.83% | 1.78% | 1.83% | 1.83% |
| 2027 | 69 | 4,352 | 4,421 | 73 | 4,415 | 4,489 | 78 | 4,480 | 4,557 | 0.97% | 0.90% | 0.90% | 1.84% | 0.88% | 0.90% | 1.79% | 0.88% | 0.90% |
| 2028 | 70 | 4,431 | 4,502 | 74 | 4,496 | 4,571 | 78 | 4,562 | 4,640 | 0.96% | 1.84% | 1.82% | 0.90% | 1.84% | 1.82% | 0.86% | 1.84% | 1.82% |
| 2029 | 71 | 4,509 | 4,580 | 76 | 4,575 | 4,650 | 80 | 4,642 | 4,721 | 1.95% | 1.74% | 1.75% | 1.84% | 1.75% | 1.75% | 1.70% | 1.75% | 1.75% |
| 2030 | 72 | 4,547 | 4,620 | 77 | 4,614 | 4,690 | 81 | 4,681 | 4,762 | 0.93% | 0.86% | 0.86% | 1.76% | 0.84% | 0.86% | 1.72% | 0.84% | 0.86% |
| 2031 | 73 | 4,627 | 4,700 | 78 | 4,695 | 4,772 | 82 | 4,763 | 4,845 | 1.84% | 1.74% | 1.74% | 0.86% | 1.76% | 1.74% | 1.64% | 1.75% | 1.74% |
| 2032 | 74 | 4,705 | 4,779 | 79 | 4,773 | 4,852 | 84 | 4,842 | 4,926 | 0.96% | 1.69% | 1.67% | 1.76% | 1.67% | 1.67% | 1.66% | 1.67% | 1.67% |
| 2033 | 75 | 4,745 | 4,820 | 80 | 4,814 | 4,894 | 85 | 4,884 | 4,968 | 1.79% | 0.85% | 0.86% | 1.68% | 0.85% | 0.86% | 1.59% | 0.85% | 0.86% |
| 2034 | 76 | 4,823 | 4,899 | 81 | 4,893 | 4,974 | 86 | 4,963 | 5,050 | 0.88% | 1.64% | 1.63% | 0.83% | 1.65% | 1.63% | 1.56% | 1.63% | 1.63% |
| 2035 | 77 | 4,900 | 4,977 | 82 | 4,971 | 5,054 | 88 | 5,043 | 5,131 | 1.74% | 1.60% | 1.61% | 1.69% | 1.60% | 1.61% | 1.58% | 1.61% | 1.61% |
| 2036 | 78 | 4,980 | 5,058 | 84 | 5,052 | 5,135 | 89 | 5,125 | 5,214 | 0.91% | 1.63% | 1.62% | 1.62% | 1.62% | 1.62% | 1.52% | 1.62% | 1.62% |
| 2037 | 80 | 5,057 | 5,137 | 85 | 5,130 | 5,215 | 90 | 5,204 | 5,295 | 1.70% | 1.55% | 1.56% | 1.59% | 1.55% | 1.56% | 1.54% | 1.56% | 1.56% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 4,492 | 358,376 | 362,868 | 4,573 | 364,534 | 369,107 | 4,727 | 373,387 | 378,114 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 4,512 | 359,032 | 363,545 | 4,683 | 369,303 | 373,986 | 4,848 | 379,869 | 384,717 | 0.46% | 0.18% | 0.19% | 2.41% | 1.31% | 1.32% | 2.56% | 1.74% | 1.75% |
| 2020 | 4,535 | 363,891 | 368,426 | 4,715 | 376,626 | 381,342 | 4,895 | 387,973 | 392,868 | 0.51% | 1.35% | 1.34% | 0.69% | 1.98% | 1.97% | 0.97% | 2.13% | 2.12% |
| 2021 | 4,513 | 364,535 | 369,048 | 4,727 | 378,614 | 383,341 | 4,931 | 392,630 | 397,561 | -0.48% | 0.18% | 0.17% | 0.25% | 0.53% | 0.52% | 0.72% | 1.20% | 1.19% |
| 2022 | 4,547 | 368,180 | 372,728 | 4,833 | 383,024 | 387,858 | 5,050 | 398,578 | 403,628 | 0.75% | 1.00% | 1.00% | 2.25% | 1.16% | 1.18% | 2.41% | 1.51% | 1.53% |
| 2023 | 4,630 | 371,891 | 376,521 | 4,871 | 388,014 | 392,885 | 5,084 | 404,545 | 409,630 | 1.82% | 1.01% | 1.02% | 0.77% | 1.30% | 1.30% | 0.69% | 1.50% | 1.49% |
| 2024 | 4,696 | 377,528 | 382,224 | 4,895 | 395,412 | 400,307 | 5,218 | 413,346 | 418,564 | 1.44% | 1.52% | 1.51% | 0.51% | 1.91% | 1.89% | 2.63% | 2.18% | 2.18% |
| 2025 | 4,692 | 379,382 | 384,074 | 4,964 | 398,427 | 403,391 | 5,230 | 417,208 | 422,438 | -0.08% | 0.49% | 0.48% | 1.41% | 0.76% | 0.77% | 0.23% | 0.93% | 0.93% |
| 2026 | 4,692 | 383,662 | 388,354 | 5,050 | 404,577 | 409,627 | 5,289 | 423,449 | 428,738 | 0.00% | 1.13% | 1.11% | 1.72% | 1.54% | 1.55% | 1.13% | 1.50% | 1.49% |
| 2027 | 4,761 | 388,894 | 393,655 | 5,051 | 409,074 | 414,125 | 5,405 | 430,598 | 436,003 | 1.45% | 1.36% | 1.36% | 0.02% | 1.11% | 1.10% | 2.20% | 1.69% | 1.69% |
| 2028 | 4,869 | 395,270 | 400,139 | 5,133 | 417,624 | 422,757 | 5,433 | 439,301 | 444,735 | 2.27% | 1.64% | 1.65% | 1.62% | 2.09% | 2.08% | 0.52% | 2.02% | 2.00% |
| 2029 | 4,872 | 397,939 | 402,810 | 5,226 | 420,920 | 426,146 | 5,540 | 444,088 | 449,628 | 0.06% | 0.68% | 0.67% | 1.82% | 0.79% | 0.80% | 1.96% | 1.09% | 1.10% |
| 2030 | 4,906 | 403,766 | 408,673 | 5,230 | 426,888 | 432,118 | 5,588 | 450,977 | 456,565 | 0.71% | 1.46% | 1.46% | 0.07% | 1.42% | 1.40% | 0.87% | 1.55% | 1.54% |
| 2031 | 5,013 | 408,330 | 413,344 | 5,289 | 433,575 | 438,864 | 5,647 | 457,564 | 463,212 | 2.18% | 1.13% | 1.14% | 1.13% | 1.57% | 1.56% | 1.06% | 1.46% | 1.46% |
| 2032 | 5,074 | 415,538 | 420,612 | 5,434 | 441,175 | 446,610 | 5,795 | 467,286 | 473,081 | 1.21% | 1.77% | 1.76% | 2.75% | 1.75% | 1.76% | 2.62% | 2.12% | 2.13% |
| 2033 | 5,050 | 419,389 | 424,438 | 5,408 | 445,365 | 450,773 | 5,801 | 472,052 | 477,853 | -0.48% | 0.93% | 0.91% | -0.48% | 0.95% | 0.93% | 0.09% | 1.02% | 1.01% |
| 2034 | 5,084 | 425,959 | 431,044 | 5,501 | 452,748 | 458,248 | 5,922 | 479,475 | 485,397 | 0.69% | 1.57% | 1.56% | 1.71% | 1.66% | 1.66% | 2.09% | 1.57% | 1.58% |
| 2035 | 5,225 | 430,871 | 436,096 | 5,588 | 458,986 | 464,574 | 5,946 | 486,984 | 492,931 | 2.76% | 1.15% | 1.17% | 1.59% | 1.38% | 1.38% | 0.42% | 1.57% | 1.55% |
| 2036 | 5,255 | 440,155 | 445,410 | 5,650 | 468,188 | 473,838 | 6,045 | 496,855 | 502,900 | 0.58% | 2.15% | 2.14% | 1.11% | 2.00% | 1.99% | 1.66% | 2.03% | 2.02% |
| 2037 | 5,265 | 443,304 | 448,569 | 5,756 | 472,525 | 478,282 | 6,125 | 501,829 | 507,955 | 0.18% | 0.72% | 0.71% | 1.88% | 0.93% | 0.94% | 1.33% | 1.00% | 1.01% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25 | 96 | 121 | 25 | 98 | 123 | 26 | 100 | 127 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 25 | 96 | 122 | 26 | 99 | 125 | 27 | 102 | 129 | 1.35% | 0.26% | 0.48% | 2.30% | 1.19% | 1.42% | 1.90% | 1.83% | 1.84% |
| 2020 | 25 | 97 | 122 | 26 | 101 | 127 | 27 | 104 | 131 | 0.33% | 0.78% | 0.69% | 0.96% | 1.34% | 1.27% | 1.56% | 1.71% | 1.68% |
| 2021 | 25 | 98 | 123 | 26 | 102 | 128 | 27 | 105 | 133 | 0.00% | 0.86% | 0.68% | 0.32% | 1.24% | 1.05% | 0.61% | 1.52% | 1.34% |
| 2022 | 25 | 99 | 124 | 27 | 103 | 130 | 28 | 107 | 135 | 0.33% | 1.02% | 0.88% | 1.27% | 1.23% | 1.24% | 3.05% | 1.66% | 1.95% |
| 2023 | 26 | 100 | 126 | 27 | 104 | 131 | 28 | 109 | 137 | 0.99% | 1.01% | 1.01% | 2.19% | 1.21% | 1.41% | 0.30% | 1.56% | 1.29% |
| 2024 | 26 | 101 | 127 | 27 | 106 | 133 | 29 | 111 | 139 | 0.98% | 1.00% | 1.00% | 0.00% | 1.44% | 1.14% | 1.18% | 1.61% | 1.52% |
| 2025 | 26 | 102 | 128 | 27 | 107 | 135 | 29 | 112 | 141 | 1.62% | 0.99% | 1.12% | 0.92% | 1.26% | 1.19% | 2.04% | 1.43% | 1.56% |
| 2026 | 26 | 103 | 129 | 28 | 109 | 137 | 29 | 114 | 143 | 0.00% | 1.06% | 0.85% | 2.43% | 1.48% | 1.67% | 0.57% | 1.56% | 1.36% |
| 2027 | 26 | 104 | 131 | 28 | 110 | 138 | 30 | 116 | 146 | 0.64% | 1.29% | 1.16% | 0.30% | 1.23% | 1.04% | 2.27% | 1.68% | 1.80% |
| 2028 | 27 | 106 | 132 | 28 | 112 | 140 | 30 | 118 | 148 | 1.27% | 1.28% | 1.27% | 0.59% | 1.52% | 1.33% | 0.56% | 1.51% | 1.31% |
| 2029 | 27 | 107 | 134 | 29 | 113 | 142 | 31 | 119 | 150 | 1.88% | 1.18% | 1.32% | 2.35% | 1.34% | 1.55% | 1.38% | 1.56% | 1.52% |
| 2030 | 27 | 108 | 136 | 29 | 115 | 144 | 31 | 121 | 152 | 0.31% | 1.32% | 1.12% | 0.57% | 1.47% | 1.29% | 1.91% | 1.54% | 1.61% |
| 2031 | 28 | 110 | 137 | 29 | 117 | 146 | 31 | 123 | 154 | 1.22% | 1.31% | 1.29% | 0.57% | 1.52% | 1.33% | 0.53% | 1.51% | 1.31% |
| 2032 | 28 | 111 | 139 | 30 | 118 | 148 | 32 | 125 | 157 | 1.81% | 1.21% | 1.33% | 2.56% | 1.29% | 1.54% | 2.66% | 1.62% | 1.83% |
| 2033 | 28 | 113 | 141 | 30 | 120 | 150 | 32 | 127 | 159 | 0.30% | 1.50% | 1.26% | 0.28% | 1.48% | 1.24% | 0.26% | 1.53% | 1.27% |
| 2034 | 28 | 114 | 143 | 30 | 122 | 152 | 33 | 129 | 162 | 0.30% | 1.40% | 1.18% | 0.83% | 1.53% | 1.39% | 1.55% | 1.57% | 1.57% |
| 2035 | 29 | 116 | 145 | 31 | 124 | 155 | 33 | 131 | 164 | 2.36% | 1.31% | 1.52% | 2.47% | 1.51% | 1.70% | 1.27% | 1.55% | 1.49% |
| 2036 | 29 | 118 | 147 | 31 | 125 | 157 | 33 | 133 | 166 | 0.86% | 1.51% | 1.38% | 0.27% | 1.48% | 1.24% | 0.75% | 1.53% | 1.37% |
| 2037 | 29 | 119 | 149 | 32 | 127 | 159 | 34 | 135 | 169 | 0.29% | 1.35% | 1.14% | 1.87% | 1.46% | 1.54% | 2.24% | 1.50% | 1.65% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 33.73% |
| Medium: | 28.92% |
| Low: | 22.81% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

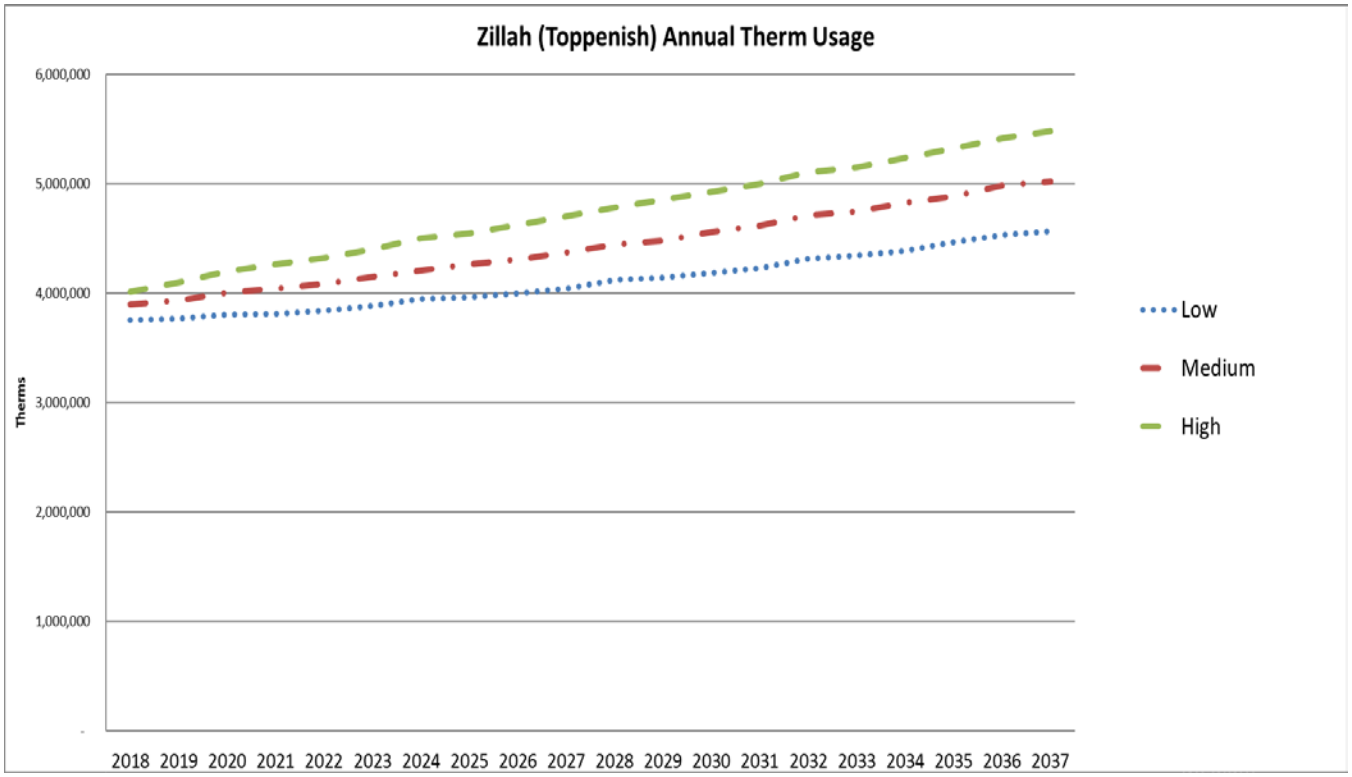
## Zillah (Toppenish)

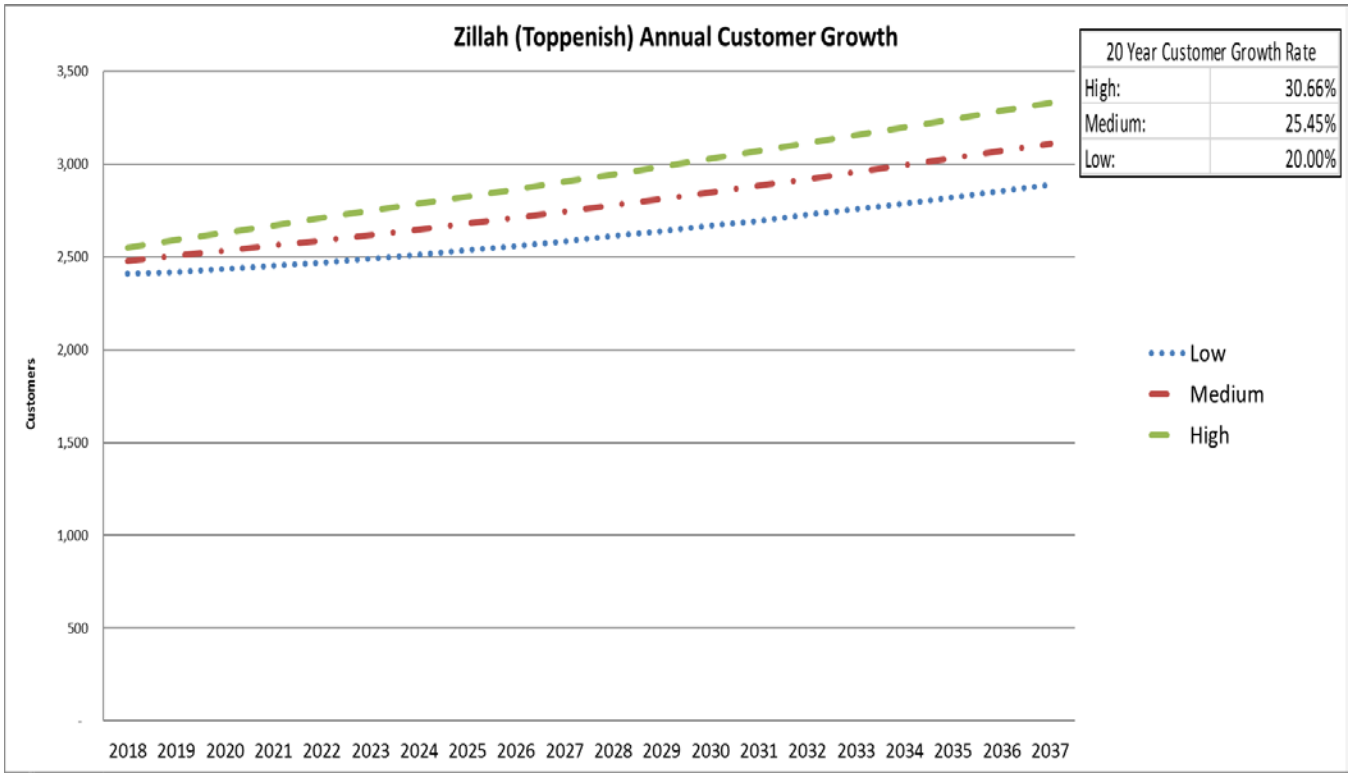
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,324,227 | 1,432,445 | 3,756,672 | 2,399,123 | 1,500,557 | 3,899,680 | 2,470,527 | 1,547,339 | 4,017,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,336,069 | 1,437,353 | 3,773,421 | 2,424,846 | 1,511,204 | 3,936,050 | 2,517,454 | 1,584,916 | 4,102,370 | 0.51% | 0.34% | 0.45% | 1.07% | 0.71% | 0.93% | 1.90% | 2.43% | 2.10% |
| 2020 | 2,364,337 | 1,444,358 | 3,808,694 | 2,484,287 | 1,522,127 | 4,006,415 | 2,577,591 | 1,622,909 | 4,200,500 | 1.21% | 0.49% | 0.93% | 2.45% | 0.72% | 1.79% | 2.39% | 2.40% | 2.39% |
| 2021 | 2,364,845 | 1,451,640 | 3,816,486 | 2,486,992 | 1,556,202 | 4,043,194 | 2,602,038 | 1,660,902 | 4,262,940 | 0.02% | 0.50% | 0.20% | 0.11% | 2.24% | 0.92% | 0.95% | 2.34% | 1.49% |
| 2022 | 2,380,390 | 1,460,605 | 3,840,994 | 2,514,481 | 1,569,085 | 4,083,566 | 2,644,334 | 1,677,564 | 4,321,898 | 0.66% | 0.62% | 0.64% | 1.11% | 0.83% | 1.00% | 1.63% | 1.00% | 1.38% |
| 2023 | 2,418,060 | 1,469,708 | 3,887,768 | 2,548,735 | 1,603,436 | 4,152,171 | 2,686,208 | 1,715,696 | 4,401,904 | 1.58% | 0.62% | 1.22% | 1.36% | 2.19% | 1.68% | 1.58% | 2.27% | 1.85% |
| 2024 | 2,447,952 | 1,501,823 | 3,949,775 | 2,593,538 | 1,616,458 | 4,209,996 | 2,748,465 | 1,753,827 | 4,502,292 | 1.24% | 2.19% | 1.59% | 1.76% | 0.81% | 1.39% | 2.32% | 2.22% | 2.28% |
| 2025 | 2,454,828 | 1,511,203 | 3,966,031 | 2,613,875 | 1,652,352 | 4,266,227 | 2,772,811 | 1,770,629 | 4,543,439 | 0.28% | 0.62% | 0.41% | 0.78% | 2.22% | 1.34% | 0.89% | 0.96% | 0.91% |
| 2026 | 2,476,739 | 1,523,532 | 4,000,271 | 2,647,431 | 1,665,513 | 4,312,943 | 2,815,555 | 1,808,760 | 4,624,315 | 0.89% | 0.82% | 0.86% | 1.28% | 0.80% | 1.10% | 1.54% | 2.15% | 1.78% |
| 2027 | 2,505,136 | 1,534,594 | 4,039,730 | 2,693,837 | 1,680,078 | 4,373,915 | 2,857,642 | 1,848,435 | 4,706,077 | 1.15% | 0.73% | 0.99% | 1.75% | 0.87% | 1.41% | 1.49% | 2.19% | 1.77% |
| 2028 | 2,550,744 | 1,568,529 | 4,119,274 | 2,731,398 | 1,717,516 | 4,448,914 | 2,918,623 | 1,865,236 | 4,783,860 | 1.82% | 2.21% | 1.97% | 1.39% | 2.23% | 1.71% | 2.13% | 0.91% | 1.65% |
| 2029 | 2,562,920 | 1,581,135 | 4,144,055 | 2,753,105 | 1,732,358 | 4,485,463 | 2,948,202 | 1,904,911 | 4,853,112 | 0.48% | 0.80% | 0.60% | 0.79% | 0.86% | 0.82% | 1.01% | 2.13% | 1.45% |
| 2030 | 2,589,883 | 1,593,879 | 4,183,762 | 2,792,569 | 1,769,935 | 4,562,504 | 3,007,553 | 1,923,256 | 4,930,809 | 1.05% | 0.81% | 0.96% | 1.43% | 2.17% | 1.72% | 2.01% | 0.96% | 1.60% |
| 2031 | 2,624,045 | 1,608,029 | 4,232,074 | 2,828,899 | 1,786,320 | 4,615,220 | 3,038,997 | 1,963,069 | 5,002,066 | 1.32% | 0.89% | 1.15% | 1.30% | 0.93% | 1.16% | 1.05% | 2.07% | 1.45% |
| 2032 | 2,673,377 | 1,643,785 | 4,317,162 | 2,888,305 | 1,824,036 | 4,712,341 | 3,105,553 | 2,002,882 | 5,108,436 | 1.88% | 2.22% | 2.01% | 2.10% | 2.11% | 2.10% | 2.19% | 2.03% | 2.13% |
| 2033 | 2,684,454 | 1,658,211 | 4,342,665 | 2,907,301 | 1,840,560 | 4,747,861 | 3,128,081 | 2,022,771 | 5,150,852 | 0.41% | 0.88% | 0.59% | 0.66% | 0.91% | 0.75% | 0.73% | 0.99% | 0.83% |
| 2034 | 2,719,038 | 1,672,637 | 4,391,675 | 2,949,612 | 1,878,414 | 4,828,026 | 3,172,399 | 2,062,722 | 5,235,121 | 1.29% | 0.87% | 1.13% | 1.46% | 2.06% | 1.69% | 1.42% | 1.98% | 1.64% |
| 2035 | 2,757,474 | 1,710,075 | 4,467,549 | 2,985,929 | 1,896,343 | 4,882,272 | 3,222,948 | 2,104,079 | 5,327,027 | 1.41% | 2.24% | 1.73% | 1.23% | 0.95% | 1.12% | 1.59% | 2.00% | 1.76% |
| 2036 | 2,807,687 | 1,724,779 | 4,532,466 | 3,053,803 | 1,934,474 | 4,988,278 | 3,291,382 | 2,124,106 | 5,415,488 | 1.82% | 0.86% | 1.45% | 2.27% | 2.01% | 2.17% | 2.12% | 0.95% | 1.66% |
| 2037 | 2,826,416 | 1,740,887 | 4,567,303 | 3,070,876 | 1,952,542 | 5,023,417 | 3,319,779 | 2,164,197 | 5,483,975 | 0.67% | 0.93% | 0.77% | 0.56% | 0.93% | 0.70% | 0.86% | 1.89% | 1.26% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 3,925 | 36,931 | 40,856 | 4,111 | 37,371 | 41,482 | 4,239 | 37,874 | 42,114 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,938 | 37,313 | 41,251 | 4,140 | 37,743 | 41,883 | 4,342 | 38,179 | 42,521 | 0.34% | 1.03% | 0.97% | 0.71% | 1.00% | 0.97% | 2.43% | 0.80% | 0.97% |
| 2020 | 3,957 | 37,937 | 41,894 | 4,170 | 38,366 | 42,536 | 4,446 | 38,737 | 43,184 | 0.49% | 1.67% | 1.56% | 0.72% | 1.65% | 1.56% | 2.40% | 1.46% | 1.56% |
| 2021 | 3,977 | 38,348 | 42,325 | 4,264 | 38,710 | 42,974 | 4,550 | 39,078 | 43,628 | 0.50% | 1.08% | 1.03% | 2.24% | 0.90% | 1.03% | 2.34% | 0.88% | 1.03% |
| 2022 | 4,002 | 38,761 | 42,763 | 4,299 | 39,119 | 43,418 | 4,596 | 39,483 | 44,079 | 0.62% | 1.08% | 1.03% | 0.83% | 1.06% | 1.03% | 1.00% | 1.04% | 1.03% |
| 2023 | 4,027 | 39,392 | 43,419 | 4,393 | 39,691 | 44,084 | 4,701 | 40,055 | 44,756 | 0.62% | 1.63% | 1.53% | 2.19% | 1.46% | 1.53% | 2.27% | 1.45% | 1.53% |
| 2024 | 4,115 | 39,755 | 43,870 | 4,429 | 40,114 | 44,542 | 4,805 | 40,416 | 45,221 | 2.19% | 0.92% | 1.04% | 0.81% | 1.06% | 1.04% | 2.22% | 0.90% | 1.04% |
| 2025 | 4,140 | 40,435 | 44,576 | 4,527 | 40,732 | 45,259 | 4,851 | 41,097 | 45,948 | 0.62% | 1.71% | 1.61% | 2.22% | 1.54% | 1.61% | 0.96% | 1.69% | 1.61% |
| 2026 | 4,174 | 40,902 | 45,076 | 4,563 | 41,204 | 45,767 | 4,956 | 41,508 | 46,464 | 0.82% | 1.15% | 1.12% | 0.80% | 1.16% | 1.12% | 2.15% | 1.00% | 1.12% |
| 2027 | 4,204 | 41,590 | 45,795 | 4,603 | 41,894 | 46,496 | 5,064 | 42,140 | 47,204 | 0.73% | 1.68% | 1.59% | 0.87% | 1.67% | 1.59% | 2.19% | 1.52% | 1.59% |
| 2028 | 4,297 | 42,004 | 46,302 | 4,706 | 42,306 | 47,011 | 5,110 | 42,617 | 47,727 | 2.21% | 1.00% | 1.11% | 2.23% | 0.98% | 1.11% | 0.91% | 1.13% | 1.11% |
| 2029 | 4,332 | 42,519 | 46,851 | 4,746 | 42,823 | 47,569 | 5,219 | 43,075 | 48,294 | 0.80% | 1.23% | 1.19% | 0.86% | 1.22% | 1.19% | 2.13% | 1.07% | 1.19% |
| 2030 | 4,367 | 43,210 | 47,577 | 4,849 | 43,457 | 48,306 | 5,269 | 43,772 | 49,041 | 0.81% | 1.62% | 1.55% | 2.17% | 1.48% | 1.55% | 0.96% | 1.62% | 1.55% |
| 2031 | 4,406 | 43,734 | 48,140 | 4,894 | 43,983 | 48,877 | 5,378 | 44,243 | 49,622 | 0.89% | 1.21% | 1.18% | 0.93% | 1.21% | 1.18% | 2.07% | 1.08% | 1.18% |
| 2032 | 4,504 | 44,453 | 48,957 | 4,997 | 44,710 | 49,707 | 5,487 | 44,977 | 50,464 | 2.22% | 1.64% | 1.70% | 2.11% | 1.65% | 1.70% | 2.03% | 1.66% | 1.70% |
| 2033 | 4,543 | 44,977 | 49,520 | 5,043 | 45,236 | 50,279 | 5,542 | 45,503 | 51,044 | 0.88% | 1.18% | 1.15% | 0.91% | 1.18% | 1.15% | 0.99% | 1.17% | 1.15% |
| 2034 | 4,583 | 45,718 | 50,301 | 5,146 | 45,926 | 51,072 | 5,651 | 46,198 | 51,850 | 0.87% | 1.65% | 1.58% | 2.06% | 1.52% | 1.58% | 1.98% | 1.53% | 1.58% |
| 2035 | 4,685 | 46,235 | 50,920 | 5,195 | 46,505 | 51,700 | 5,765 | 46,723 | 52,488 | 2.24% | 1.13% | 1.23% | 0.95% | 1.26% | 1.23% | 2.00% | 1.14% | 1.23% |
| 2036 | 4,725 | 47,025 | 51,751 | 5,300 | 47,244 | 52,544 | 5,819 | 47,524 | 53,344 | 0.86% | 1.71% | 1.63% | 2.01% | 1.59% | 1.63% | 0.95% | 1.71% | 1.63% |
| 2037 | 4,770 | 47,600 | 52,369 | 5,349 | 47,823 | 53,172 | 5,929 | 48,052 | 53,982 | 0.93% | 1.22% | 1.20% | 0.93% | 1.23% | 1.20% | 1.89% | 1.11% | 1.20% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,044,205 | 2,712,467 | 3,756,672 | 1,075,467 | 2,824,213 | 3,899,680 | 1,106,397 | 2,911,470 | 4,017,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,049,585 | 2,723,836 | 3,773,421 | 1,087,562 | 2,848,487 | 3,936,050 | 1,125,183 | 2,977,187 | 4,102,370 | 0.52% | 0.42% | 0.45% | 1.12% | 0.86% | 0.93% | 1.70% | 2.26% | 2.10% |
| 2020 | 1,060,633 | 2,748,061 | 3,808,694 | 1,104,082 | 2,902,333 | 4,006,415 | 1,147,556 | 3,052,944 | 4,200,500 | 1.05% | 0.89% | 0.93% | 1.52% | 1.89% | 1.79% | 1.99% | 2.54% | 2.39% |
| 2021 | 1,062,772 | 2,753,714 | 3,816,486 | 1,110,721 | 2,932,473 | 4,043,194 | 1,158,490 | 3,104,450 | 4,262,940 | 0.20% | 0.21% | 0.20% | 0.60% | 1.04% | 0.92% | 0.95% | 1.69% | 1.49% |
| 2022 | 1,070,010 | 2,770,984 | 3,840,994 | 1,122,010 | 2,961,555 | 4,083,566 | 1,174,095 | 3,147,803 | 4,321,898 | 0.68% | 0.63% | 0.64% | 1.02% | 0.99% | 1.00% | 1.35% | 1.40% | 1.38% |
| 2023 | 1,078,049 | 2,809,719 | 3,887,768 | 1,134,061 | 3,018,110 | 4,152,171 | 1,189,982 | 3,211,922 | 4,401,904 | 0.75% | 1.40% | 1.22% | 1.07% | 1.91% | 1.68% | 1.35% | 2.04% | 1.85% |
| 2024 | 1,092,228 | 2,857,547 | 3,949,775 | 1,151,993 | 3,058,003 | 4,209,996 | 1,211,851 | 3,290,442 | 4,502,292 | 1.32% | 1.70% | 1.59% | 1.58% | 1.32% | 1.39% | 1.84% | 2.44% | 2.28% |
| 2025 | 1,096,435 | 2,869,596 | 3,966,031 | 1,159,501 | 3,106,727 | 4,266,227 | 1,222,733 | 3,320,706 | 4,543,439 | 0.39% | 0.42% | 0.41% | 0.65% | 1.59% | 1.34% | 0.90% | 0.92% | 0.91% |
| 2026 | 1,106,357 | 2,893,914 | 4,000,271 | 1,172,589 | 3,140,354 | 4,312,943 | 1,238,783 | 3,385,532 | 4,624,315 | 0.90% | 0.85% | 0.86% | 1.13% | 1.08% | 1.10% | 1.31% | 1.95% | 1.78% |
| 2027 | 1,116,507 | 2,923,223 | 4,039,730 | 1,185,901 | 3,188,013 | 4,373,915 | 1,255,187 | 3,450,890 | 4,706,077 | 0.92% | 1.01% | 0.99% | 1.14% | 1.52% | 1.41% | 1.32% | 1.93% | 1.77% |
| 2028 | 1,131,528 | 2,987,746 | 4,119,274 | 1,204,118 | 3,244,796 | 4,448,914 | 1,277,044 | 3,506,816 | 4,783,860 | 1.35% | 2.21% | 1.97% | 1.54% | 1.78% | 1.71% | 1.74% | 1.62% | 1.65% |
| 2029 | 1,138,141 | 3,005,914 | 4,144,055 | 1,213,475 | 3,271,987 | 4,485,463 | 1,288,560 | 3,564,553 | 4,853,112 | 0.58% | 0.61% | 0.60% | 0.78% | 0.84% | 0.82% | 0.90% | 1.65% | 1.45% |
| 2030 | 1,149,733 | 3,034,029 | 4,183,762 | 1,227,706 | 3,334,797 | 4,562,504 | 1,305,635 | 3,625,174 | 4,930,809 | 1.02% | 0.94% | 0.96% | 1.17% | 1.92% | 1.72% | 1.33% | 1.70% | 1.60% |
| 2031 | 1,161,518 | 3,070,556 | 4,232,074 | 1,242,178 | 3,373,042 | 4,615,220 | 1,322,712 | 3,679,355 | 5,002,066 | 1.02% | 1.20% | 1.15% | 1.18% | 1.15% | 1.16% | 1.31% | 1.49% | 1.45% |
| 2032 | 1,179,123 | 3,138,039 | 4,317,162 | 1,262,579 | 3,449,762 | 4,712,341 | 1,346,201 | 3,762,235 | 5,108,436 | 1.52% | 2.20% | 2.01% | 1.64% | 2.27% | 2.10% | 1.78% | 2.25% | 2.13% |
| 2033 | 1,185,882 | 3,156,782 | 4,342,665 | 1,271,614 | 3,476,246 | 4,747,861 | 1,357,306 | 3,793,546 | 5,150,852 | 0.57% | 0.60% | 0.59% | 0.72% | 0.77% | 0.75% | 0.82% | 0.83% | 0.83% |
| 2034 | 1,198,714 | 3,192,961 | 4,391,675 | 1,286,863 | 3,541,163 | 4,828,026 | 1,374,866 | 3,860,256 | 5,235,121 | 1.08% | 1.15% | 1.13% | 1.20% | 1.87% | 1.69% | 1.29% | 1.76% | 1.64% |
| 2035 | 1,212,246 | 3,255,303 | 4,467,549 | 1,302,763 | 3,579,509 | 4,882,272 | 1,393,207 | 3,933,820 | 5,327,027 | 1.13% | 1.95% | 1.73% | 1.24% | 1.08% | 1.12% | 1.33% | 1.91% | 1.76% |
| 2036 | 1,231,352 | 3,301,114 | 4,532,466 | 1,324,459 | 3,663,819 | 4,988,278 | 1,417,776 | 3,997,713 | 5,415,488 | 1.58% | 1.41% | 1.45% | 1.67% | 2.36% | 2.17% | 1.76% | 1.62% | 1.66% |
| 2037 | 1,239,374 | 3,327,929 | 4,567,303 | 1,334,473 | 3,688,945 | 5,023,417 | 1,429,464 | 4,054,511 | 5,483,975 | 0.65% | 0.81% | 0.77% | 0.76% | 0.69% | 0.70% | 0.82% | 1.42% | 1.26% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,876 | 532 | 2,408 | 1,933 | 546 | 2,479 | 1,991 | 558 | 2,549 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,884 | 535 | 2,419 | 1,953 | 552 | 2,505 | 2,022 | 569 | 2,591 | 0.45% | 0.55% | 0.47% | 1.03% | 1.15% | 1.06% | 1.58% | 1.84% | 1.63% |
| 2020 | 1,895 | 539 | 2,434 | 1,974 | 559 | 2,533 | 2,052 | 579 | 2,631 | 0.58% | 0.70% | 0.61% | 1.05% | 1.25% | 1.09% | 1.50% | 1.76% | 1.56% |
| 2021 | 1,908 | 543 | 2,451 | 1,995 | 566 | 2,561 | 2,082 | 588 | 2,670 | 0.67% | 0.77% | 0.70% | 1.07% | 1.27% | 1.12% | 1.43% | 1.68% | 1.49% |
| 2022 | 1,922 | 548 | 2,470 | 2,016 | 573 | 2,589 | 2,111 | 598 | 2,709 | 0.73% | 0.87% | 0.77% | 1.08% | 1.21% | 1.11% | 1.41% | 1.57% | 1.44% |
| 2023 | 1,937 | 554 | 2,490 | 2,038 | 581 | 2,619 | 2,140 | 608 | 2,748 | 0.77% | 1.06% | 0.84% | 1.09% | 1.38% | 1.16% | 1.39% | 1.65% | 1.44% |
| 2024 | 1,953 | 560 | 2,512 | 2,061 | 588 | 2,649 | 2,169 | 618 | 2,787 | 0.83% | 1.05% | 0.88% | 1.11% | 1.26% | 1.15% | 1.36% | 1.65% | 1.42% |
| 2025 | 1,970 | 565 | 2,535 | 2,084 | 596 | 2,681 | 2,199 | 627 | 2,826 | 0.86% | 1.04% | 0.90% | 1.12% | 1.43% | 1.19% | 1.36% | 1.48% | 1.39% |
| 2026 | 1,987 | 572 | 2,559 | 2,108 | 604 | 2,712 | 2,228 | 637 | 2,865 | 0.91% | 1.12% | 0.95% | 1.14% | 1.33% | 1.18% | 1.33% | 1.61% | 1.39% |
| 2027 | 2,006 | 578 | 2,584 | 2,132 | 613 | 2,745 | 2,258 | 647 | 2,905 | 0.94% | 1.15% | 0.98% | 1.15% | 1.39% | 1.20% | 1.34% | 1.62% | 1.40% |
| 2028 | 2,025 | 586 | 2,611 | 2,157 | 621 | 2,778 | 2,289 | 657 | 2,945 | 0.96% | 1.34% | 1.04% | 1.15% | 1.40% | 1.21% | 1.35% | 1.51% | 1.39% |
| 2029 | 2,045 | 593 | 2,638 | 2,182 | 630 | 2,812 | 2,319 | 668 | 2,986 | 0.99% | 1.21% | 1.04% | 1.19% | 1.35% | 1.22% | 1.32% | 1.64% | 1.39% |
| 2030 | 2,066 | 600 | 2,667 | 2,208 | 639 | 2,847 | 2,350 | 678 | 3,028 | 1.03% | 1.22% | 1.07% | 1.18% | 1.54% | 1.26% | 1.34% | 1.57% | 1.39% |
| 2031 | 2,088 | 608 | 2,696 | 2,234 | 648 | 2,883 | 2,381 | 689 | 3,069 | 1.04% | 1.28% | 1.09% | 1.19% | 1.38% | 1.24% | 1.32% | 1.55% | 1.37% |
| 2032 | 2,110 | 617 | 2,726 | 2,261 | 658 | 2,919 | 2,412 | 700 | 3,112 | 1.06% | 1.41% | 1.14% | 1.19% | 1.53% | 1.27% | 1.32% | 1.62% | 1.39% |
| 2033 | 2,133 | 625 | 2,757 | 2,289 | 668 | 2,956 | 2,444 | 710 | 3,154 | 1.08% | 1.31% | 1.13% | 1.22% | 1.43% | 1.26% | 1.32% | 1.50% | 1.36% |
| 2034 | 2,156 | 633 | 2,789 | 2,316 | 678 | 2,994 | 2,476 | 721 | 3,198 | 1.09% | 1.36% | 1.15% | 1.21% | 1.51% | 1.27% | 1.31% | 1.57% | 1.37% |
| 2035 | 2,180 | 642 | 2,822 | 2,344 | 687 | 3,032 | 2,509 | 733 | 3,242 | 1.11% | 1.46% | 1.19% | 1.22% | 1.43% | 1.27% | 1.32% | 1.63% | 1.39% |
| 2036 | 2,204 | 651 | 2,856 | 2,373 | 698 | 3,071 | 2,542 | 744 | 3,286 | 1.12% | 1.35% | 1.18% | 1.22% | 1.55% | 1.29% | 1.31% | 1.51% | 1.35% |
| 2037 | 2,229 | 660 | 2,889 | 2,402 | 708 | 3,110 | 2,575 | 756 | 3,331 | 1.13% | 1.40% | 1.19% | 1.22% | 1.43% | 1.27% | 1.30% | 1.57% | 1.36% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.66% |
| Medium: | 25.45% |
| Low: | 20.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

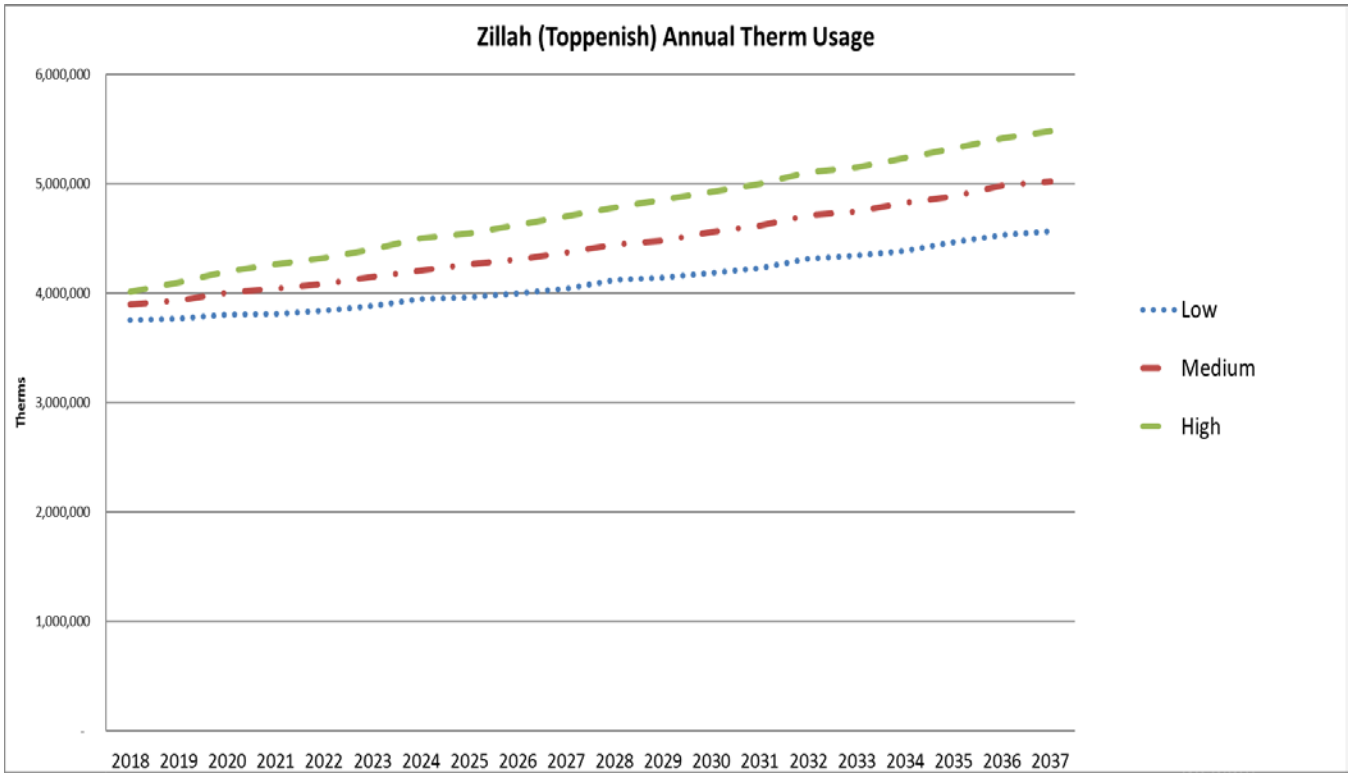
## Zone 10

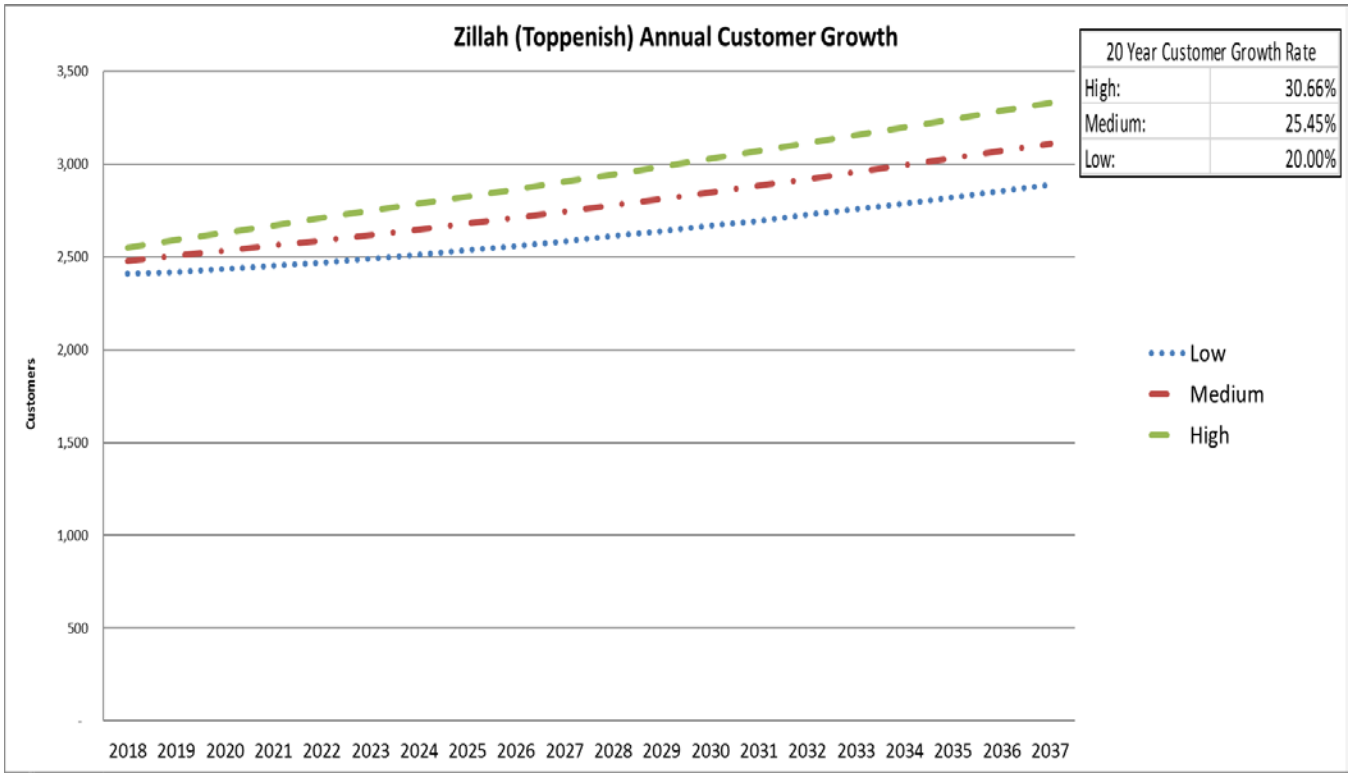
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,324,227 | 1,432,445 | 3,756,672 | 2,399,123 | 1,500,557 | 3,899,680 | 2,470,527 | 1,547,339 | 4,017,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,336,069 | 1,437,353 | 3,773,421 | 2,424,846 | 1,511,204 | 3,936,050 | 2,517,454 | 1,584,916 | 4,102,370 | 0.51% | 0.34% | 0.45% | 1.07% | 0.71% | 0.93% | 1.90% | 2.43% | 2.10% |
| 2020 | 2,364,337 | 1,444,358 | 3,808,694 | 2,484,287 | 1,522,127 | 4,006,415 | 2,577,591 | 1,622,909 | 4,200,500 | 1.21% | 0.49% | 0.93% | 2.45% | 0.72% | 1.79% | 2.39% | 2.40% | 2.39% |
| 2021 | 2,364,845 | 1,451,640 | 3,816,486 | 2,486,992 | 1,556,202 | 4,043,194 | 2,602,038 | 1,660,902 | 4,262,940 | 0.02% | 0.50% | 0.20% | 0.11% | 2.24% | 0.92% | 0.95% | 2.34% | 1.49% |
| 2022 | 2,380,390 | 1,460,605 | 3,840,994 | 2,514,481 | 1,569,085 | 4,083,566 | 2,644,334 | 1,677,564 | 4,321,898 | 0.66% | 0.62% | 0.64% | 1.11% | 0.83% | 1.00% | 1.63% | 1.00% | 1.38% |
| 2023 | 2,418,060 | 1,469,708 | 3,887,768 | 2,548,735 | 1,603,436 | 4,152,171 | 2,686,208 | 1,715,696 | 4,401,904 | 1.58% | 0.62% | 1.22% | 1.36% | 2.19% | 1.68% | 1.58% | 2.27% | 1.85% |
| 2024 | 2,447,952 | 1,501,823 | 3,949,775 | 2,593,538 | 1,616,458 | 4,209,996 | 2,748,465 | 1,753,827 | 4,502,292 | 1.24% | 2.19% | 1.59% | 1.76% | 0.81% | 1.39% | 2.32% | 2.22% | 2.28% |
| 2025 | 2,454,828 | 1,511,203 | 3,966,031 | 2,613,875 | 1,652,352 | 4,266,227 | 2,772,811 | 1,770,629 | 4,543,439 | 0.28% | 0.62% | 0.41% | 0.78% | 2.22% | 1.34% | 0.89% | 0.96% | 0.91% |
| 2026 | 2,476,739 | 1,523,532 | 4,000,271 | 2,647,431 | 1,665,513 | 4,312,943 | 2,815,555 | 1,808,760 | 4,624,315 | 0.89% | 0.82% | 0.86% | 1.28% | 0.80% | 1.10% | 1.54% | 2.15% | 1.78% |
| 2027 | 2,505,136 | 1,534,594 | 4,039,730 | 2,693,837 | 1,680,078 | 4,373,915 | 2,857,642 | 1,848,435 | 4,706,077 | 1.15% | 0.73% | 0.99% | 1.75% | 0.87% | 1.41% | 1.49% | 2.19% | 1.77% |
| 2028 | 2,550,744 | 1,568,529 | 4,119,274 | 2,731,398 | 1,717,516 | 4,448,914 | 2,918,623 | 1,865,236 | 4,783,860 | 1.82% | 2.21% | 1.97% | 1.39% | 2.23% | 1.71% | 2.13% | 0.91% | 1.65% |
| 2029 | 2,562,920 | 1,581,135 | 4,144,055 | 2,753,105 | 1,732,358 | 4,485,463 | 2,948,202 | 1,904,911 | 4,853,112 | 0.48% | 0.80% | 0.60% | 0.79% | 0.86% | 0.82% | 1.01% | 2.13% | 1.45% |
| 2030 | 2,589,883 | 1,593,879 | 4,183,762 | 2,792,569 | 1,769,935 | 4,562,504 | 3,007,553 | 1,923,256 | 4,930,809 | 1.05% | 0.81% | 0.96% | 1.43% | 2.17% | 1.72% | 2.01% | 0.96% | 1.60% |
| 2031 | 2,624,045 | 1,608,029 | 4,232,074 | 2,828,899 | 1,786,320 | 4,615,220 | 3,038,997 | 1,963,069 | 5,002,066 | 1.32% | 0.89% | 1.15% | 1.30% | 0.93% | 1.16% | 1.05% | 2.07% | 1.45% |
| 2032 | 2,673,377 | 1,643,785 | 4,317,162 | 2,888,305 | 1,824,036 | 4,712,341 | 3,105,553 | 2,002,882 | 5,108,436 | 1.88% | 2.22% | 2.01% | 2.10% | 2.11% | 2.10% | 2.19% | 2.03% | 2.13% |
| 2033 | 2,684,454 | 1,658,211 | 4,342,665 | 2,907,301 | 1,840,560 | 4,747,861 | 3,128,081 | 2,022,771 | 5,150,852 | 0.41% | 0.88% | 0.59% | 0.66% | 0.91% | 0.75% | 0.73% | 0.99% | 0.83% |
| 2034 | 2,719,038 | 1,672,637 | 4,391,675 | 2,949,612 | 1,878,414 | 4,828,026 | 3,172,399 | 2,062,722 | 5,235,121 | 1.29% | 0.87% | 1.13% | 1.46% | 2.06% | 1.69% | 1.42% | 1.98% | 1.64% |
| 2035 | 2,757,474 | 1,710,075 | 4,467,549 | 2,985,929 | 1,896,343 | 4,882,272 | 3,222,948 | 2,104,079 | 5,327,027 | 1.41% | 2.24% | 1.73% | 1.23% | 0.95% | 1.12% | 1.59% | 2.00% | 1.76% |
| 2036 | 2,807,687 | 1,724,779 | 4,532,466 | 3,053,803 | 1,934,474 | 4,988,278 | 3,291,382 | 2,124,106 | 5,415,488 | 1.82% | 0.86% | 1.45% | 2.27% | 2.01% | 2.17% | 2.12% | 0.95% | 1.66% |
| 2037 | 2,826,416 | 1,740,887 | 4,567,303 | 3,070,876 | 1,952,542 | 5,023,417 | 3,319,779 | 2,164,197 | 5,483,975 | 0.67% | 0.93% | 0.77% | 0.56% | 0.93% | 0.70% | 0.86% | 1.89% | 1.26% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 3,925 | 36,931 | 40,856 | 4,111 | 37,371 | 41,482 | 4,239 | 37,874 | 42,114 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,938 | 37,313 | 41,251 | 4,140 | 37,743 | 41,883 | 4,342 | 38,179 | 42,521 | 0.34% | 1.03% | 0.97% | 0.71% | 1.00% | 0.97% | 2.43% | 0.80% | 0.97% |
| 2020 | 3,957 | 37,937 | 41,894 | 4,170 | 38,366 | 42,536 | 4,446 | 38,737 | 43,184 | 0.49% | 1.67% | 1.56% | 0.72% | 1.65% | 1.56% | 2.40% | 1.46% | 1.56% |
| 2021 | 3,977 | 38,348 | 42,325 | 4,264 | 38,710 | 42,974 | 4,550 | 39,078 | 43,628 | 0.50% | 1.08% | 1.03% | 2.24% | 0.90% | 1.03% | 2.34% | 0.88% | 1.03% |
| 2022 | 4,002 | 38,761 | 42,763 | 4,299 | 39,119 | 43,418 | 4,596 | 39,483 | 44,079 | 0.62% | 1.08% | 1.03% | 0.83% | 1.06% | 1.03% | 1.00% | 1.04% | 1.03% |
| 2023 | 4,027 | 39,392 | 43,419 | 4,393 | 39,691 | 44,084 | 4,701 | 40,055 | 44,756 | 0.62% | 1.63% | 1.53% | 2.19% | 1.46% | 1.53% | 2.27% | 1.45% | 1.53% |
| 2024 | 4,115 | 39,755 | 43,870 | 4,429 | 40,114 | 44,542 | 4,805 | 40,416 | 45,221 | 2.19% | 0.92% | 1.04% | 0.81% | 1.06% | 1.04% | 2.22% | 0.90% | 1.04% |
| 2025 | 4,140 | 40,435 | 44,576 | 4,527 | 40,732 | 45,259 | 4,851 | 41,097 | 45,948 | 0.62% | 1.71% | 1.61% | 2.22% | 1.54% | 1.61% | 0.96% | 1.69% | 1.61% |
| 2026 | 4,174 | 40,902 | 45,076 | 4,563 | 41,204 | 45,767 | 4,956 | 41,508 | 46,464 | 0.82% | 1.15% | 1.12% | 0.80% | 1.16% | 1.12% | 2.15% | 1.00% | 1.12% |
| 2027 | 4,204 | 41,590 | 45,795 | 4,603 | 41,894 | 46,496 | 5,064 | 42,140 | 47,204 | 0.73% | 1.68% | 1.59% | 0.87% | 1.67% | 1.59% | 2.19% | 1.52% | 1.59% |
| 2028 | 4,297 | 42,004 | 46,302 | 4,706 | 42,306 | 47,011 | 5,110 | 42,617 | 47,727 | 2.21% | 1.00% | 1.11% | 2.23% | 0.98% | 1.11% | 0.91% | 1.13% | 1.11% |
| 2029 | 4,332 | 42,519 | 46,851 | 4,746 | 42,823 | 47,569 | 5,219 | 43,075 | 48,294 | 0.80% | 1.23% | 1.19% | 0.86% | 1.22% | 1.19% | 2.13% | 1.07% | 1.19% |
| 2030 | 4,367 | 43,210 | 47,577 | 4,849 | 43,457 | 48,306 | 5,269 | 43,772 | 49,041 | 0.81% | 1.62% | 1.55% | 2.17% | 1.48% | 1.55% | 0.96% | 1.62% | 1.55% |
| 2031 | 4,406 | 43,734 | 48,140 | 4,894 | 43,983 | 48,877 | 5,378 | 44,243 | 49,622 | 0.89% | 1.21% | 1.18% | 0.93% | 1.21% | 1.18% | 2.07% | 1.08% | 1.18% |
| 2032 | 4,504 | 44,453 | 48,957 | 4,997 | 44,710 | 49,707 | 5,487 | 44,977 | 50,464 | 2.22% | 1.64% | 1.70% | 2.11% | 1.65% | 1.70% | 2.03% | 1.66% | 1.70% |
| 2033 | 4,543 | 44,977 | 49,520 | 5,043 | 45,236 | 50,279 | 5,542 | 45,503 | 51,044 | 0.88% | 1.18% | 1.15% | 0.91% | 1.18% | 1.15% | 0.99% | 1.17% | 1.15% |
| 2034 | 4,583 | 45,718 | 50,301 | 5,146 | 45,926 | 51,072 | 5,651 | 46,198 | 51,850 | 0.87% | 1.65% | 1.58% | 2.06% | 1.52% | 1.58% | 1.98% | 1.53% | 1.58% |
| 2035 | 4,685 | 46,235 | 50,920 | 5,195 | 46,505 | 51,700 | 5,765 | 46,723 | 52,488 | 2.24% | 1.13% | 1.23% | 0.95% | 1.26% | 1.23% | 2.00% | 1.14% | 1.23% |
| 2036 | 4,725 | 47,025 | 51,751 | 5,300 | 47,244 | 52,544 | 5,819 | 47,524 | 53,344 | 0.86% | 1.71% | 1.63% | 2.01% | 1.59% | 1.63% | 0.95% | 1.71% | 1.63% |
| 2037 | 4,770 | 47,600 | 52,369 | 5,349 | 47,823 | 53,172 | 5,929 | 48,052 | 53,982 | 0.93% | 1.22% | 1.20% | 0.93% | 1.23% | 1.20% | 1.89% | 1.11% | 1.20% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,044,205 | 2,712,467 | 3,756,672 | 1,075,467 | 2,824,213 | 3,899,680 | 1,106,397 | 2,911,470 | 4,017,867 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,049,585 | 2,723,836 | 3,773,421 | 1,087,562 | 2,848,487 | 3,936,050 | 1,125,183 | 2,977,187 | 4,102,370 | 0.52% | 0.42% | 0.45% | 1.12% | 0.86% | 0.93% | 1.70% | 2.26% | 2.10% |
| 2020 | 1,060,633 | 2,748,061 | 3,808,694 | 1,104,082 | 2,902,333 | 4,006,415 | 1,147,556 | 3,052,944 | 4,200,500 | 1.05% | 0.89% | 0.93% | 1.52% | 1.89% | 1.79% | 1.99% | 2.54% | 2.39% |
| 2021 | 1,062,772 | 2,753,714 | 3,816,486 | 1,110,721 | 2,932,473 | 4,043,194 | 1,158,490 | 3,104,450 | 4,262,940 | 0.20% | 0.21% | 0.20% | 0.60% | 1.04% | 0.92% | 0.95% | 1.69% | 1.49% |
| 2022 | 1,070,010 | 2,770,984 | 3,840,994 | 1,122,010 | 2,961,555 | 4,083,566 | 1,174,095 | 3,147,803 | 4,321,898 | 0.68% | 0.63% | 0.64% | 1.02% | 0.99% | 1.00% | 1.35% | 1.40% | 1.38% |
| 2023 | 1,078,049 | 2,809,719 | 3,887,768 | 1,134,061 | 3,018,110 | 4,152,171 | 1,189,982 | 3,211,922 | 4,401,904 | 0.75% | 1.40% | 1.22% | 1.07% | 1.91% | 1.68% | 1.35% | 2.04% | 1.85% |
| 2024 | 1,092,228 | 2,857,547 | 3,949,775 | 1,151,993 | 3,058,003 | 4,209,996 | 1,211,851 | 3,290,442 | 4,502,292 | 1.32% | 1.70% | 1.59% | 1.58% | 1.32% | 1.39% | 1.84% | 2.44% | 2.28% |
| 2025 | 1,096,435 | 2,869,596 | 3,966,031 | 1,159,501 | 3,106,727 | 4,266,227 | 1,222,733 | 3,320,706 | 4,543,439 | 0.39% | 0.42% | 0.41% | 0.65% | 1.59% | 1.34% | 0.90% | 0.92% | 0.91% |
| 2026 | 1,106,357 | 2,893,914 | 4,000,271 | 1,172,589 | 3,140,354 | 4,312,943 | 1,238,783 | 3,385,532 | 4,624,315 | 0.90% | 0.85% | 0.86% | 1.13% | 1.08% | 1.10% | 1.31% | 1.95% | 1.78% |
| 2027 | 1,116,507 | 2,923,223 | 4,039,730 | 1,185,901 | 3,188,013 | 4,373,915 | 1,255,187 | 3,450,890 | 4,706,077 | 0.92% | 1.01% | 0.99% | 1.14% | 1.52% | 1.41% | 1.32% | 1.93% | 1.77% |
| 2028 | 1,131,528 | 2,987,746 | 4,119,274 | 1,204,118 | 3,244,796 | 4,448,914 | 1,277,044 | 3,506,816 | 4,783,860 | 1.35% | 2.21% | 1.97% | 1.54% | 1.78% | 1.71% | 1.74% | 1.62% | 1.65% |
| 2029 | 1,138,141 | 3,005,914 | 4,144,055 | 1,213,475 | 3,271,987 | 4,485,463 | 1,288,560 | 3,564,553 | 4,853,112 | 0.58% | 0.61% | 0.60% | 0.78% | 0.84% | 0.82% | 0.90% | 1.65% | 1.45% |
| 2030 | 1,149,733 | 3,034,029 | 4,183,762 | 1,227,706 | 3,334,797 | 4,562,504 | 1,305,635 | 3,625,174 | 4,930,809 | 1.02% | 0.94% | 0.96% | 1.17% | 1.92% | 1.72% | 1.33% | 1.70% | 1.60% |
| 2031 | 1,161,518 | 3,070,556 | 4,232,074 | 1,242,178 | 3,373,042 | 4,615,220 | 1,322,712 | 3,679,355 | 5,002,066 | 1.02% | 1.20% | 1.15% | 1.18% | 1.15% | 1.16% | 1.31% | 1.49% | 1.45% |
| 2032 | 1,179,123 | 3,138,039 | 4,317,162 | 1,262,579 | 3,449,762 | 4,712,341 | 1,346,201 | 3,762,235 | 5,108,436 | 1.52% | 2.20% | 2.01% | 1.64% | 2.27% | 2.10% | 1.78% | 2.25% | 2.13% |
| 2033 | 1,185,882 | 3,156,782 | 4,342,665 | 1,271,614 | 3,476,246 | 4,747,861 | 1,357,306 | 3,793,546 | 5,150,852 | 0.57% | 0.60% | 0.59% | 0.72% | 0.77% | 0.75% | 0.82% | 0.83% | 0.83% |
| 2034 | 1,198,714 | 3,192,961 | 4,391,675 | 1,286,863 | 3,541,163 | 4,828,026 | 1,374,866 | 3,860,256 | 5,235,121 | 1.08% | 1.15% | 1.13% | 1.20% | 1.87% | 1.69% | 1.29% | 1.76% | 1.64% |
| 2035 | 1,212,246 | 3,255,303 | 4,467,549 | 1,302,763 | 3,579,509 | 4,882,272 | 1,393,207 | 3,933,820 | 5,327,027 | 1.13% | 1.95% | 1.73% | 1.24% | 1.08% | 1.12% | 1.33% | 1.91% | 1.76% |
| 2036 | 1,231,352 | 3,301,114 | 4,532,466 | 1,324,459 | 3,663,819 | 4,988,278 | 1,417,776 | 3,997,713 | 5,415,488 | 1.58% | 1.41% | 1.45% | 1.67% | 2.36% | 2.17% | 1.76% | 1.62% | 1.66% |
| 2037 | 1,239,374 | 3,327,929 | 4,567,303 | 1,334,473 | 3,688,945 | 5,023,417 | 1,429,464 | 4,054,511 | 5,483,975 | 0.65% | 0.81% | 0.77% | 0.76% | 0.69% | 0.70% | 0.82% | 1.42% | 1.26% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,876 | 532 | 2,408 | 1,933 | 546 | 2,479 | 1,991 | 558 | 2,549 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,884 | 535 | 2,419 | 1,953 | 552 | 2,505 | 2,022 | 569 | 2,591 | 0.45% | 0.55% | 0.47% | 1.03% | 1.15% | 1.06% | 1.58% | 1.84% | 1.63% |
| 2020 | 1,895 | 539 | 2,434 | 1,974 | 559 | 2,533 | 2,052 | 579 | 2,631 | 0.58% | 0.70% | 0.61% | 1.05% | 1.25% | 1.09% | 1.50% | 1.76% | 1.56% |
| 2021 | 1,908 | 543 | 2,451 | 1,995 | 566 | 2,561 | 2,082 | 588 | 2,670 | 0.67% | 0.77% | 0.70% | 1.07% | 1.27% | 1.12% | 1.43% | 1.68% | 1.49% |
| 2022 | 1,922 | 548 | 2,470 | 2,016 | 573 | 2,589 | 2,111 | 598 | 2,709 | 0.73% | 0.87% | 0.77% | 1.08% | 1.21% | 1.11% | 1.41% | 1.57% | 1.44% |
| 2023 | 1,937 | 554 | 2,490 | 2,038 | 581 | 2,619 | 2,140 | 608 | 2,748 | 0.77% | 1.06% | 0.84% | 1.09% | 1.38% | 1.16% | 1.39% | 1.65% | 1.44% |
| 2024 | 1,953 | 560 | 2,512 | 2,061 | 588 | 2,649 | 2,169 | 618 | 2,787 | 0.83% | 1.05% | 0.88% | 1.11% | 1.26% | 1.15% | 1.36% | 1.65% | 1.42% |
| 2025 | 1,970 | 565 | 2,535 | 2,084 | 596 | 2,681 | 2,199 | 627 | 2,826 | 0.86% | 1.04% | 0.90% | 1.12% | 1.43% | 1.19% | 1.36% | 1.48% | 1.39% |
| 2026 | 1,987 | 572 | 2,559 | 2,108 | 604 | 2,712 | 2,228 | 637 | 2,865 | 0.91% | 1.12% | 0.95% | 1.14% | 1.33% | 1.18% | 1.33% | 1.61% | 1.39% |
| 2027 | 2,006 | 578 | 2,584 | 2,132 | 613 | 2,745 | 2,258 | 647 | 2,905 | 0.94% | 1.15% | 0.98% | 1.15% | 1.39% | 1.20% | 1.34% | 1.62% | 1.40% |
| 2028 | 2,025 | 586 | 2,611 | 2,157 | 621 | 2,778 | 2,289 | 657 | 2,945 | 0.96% | 1.34% | 1.04% | 1.15% | 1.40% | 1.21% | 1.35% | 1.51% | 1.39% |
| 2029 | 2,045 | 593 | 2,638 | 2,182 | 630 | 2,812 | 2,319 | 668 | 2,986 | 0.99% | 1.21% | 1.04% | 1.19% | 1.35% | 1.22% | 1.32% | 1.64% | 1.39% |
| 2030 | 2,066 | 600 | 2,667 | 2,208 | 639 | 2,847 | 2,350 | 678 | 3,028 | 1.03% | 1.22% | 1.07% | 1.18% | 1.54% | 1.26% | 1.34% | 1.57% | 1.39% |
| 2031 | 2,088 | 608 | 2,696 | 2,234 | 648 | 2,883 | 2,381 | 689 | 3,069 | 1.04% | 1.28% | 1.09% | 1.19% | 1.38% | 1.24% | 1.32% | 1.55% | 1.37% |
| 2032 | 2,110 | 617 | 2,726 | 2,261 | 658 | 2,919 | 2,412 | 700 | 3,112 | 1.06% | 1.41% | 1.14% | 1.19% | 1.53% | 1.27% | 1.32% | 1.62% | 1.39% |
| 2033 | 2,133 | 625 | 2,757 | 2,289 | 668 | 2,956 | 2,444 | 710 | 3,154 | 1.08% | 1.31% | 1.13% | 1.22% | 1.43% | 1.26% | 1.32% | 1.50% | 1.36% |
| 2034 | 2,156 | 633 | 2,789 | 2,316 | 678 | 2,994 | 2,476 | 721 | 3,198 | 1.09% | 1.36% | 1.15% | 1.21% | 1.51% | 1.27% | 1.31% | 1.57% | 1.37% |
| 2035 | 2,180 | 642 | 2,822 | 2,344 | 687 | 3,032 | 2,509 | 733 | 3,242 | 1.11% | 1.46% | 1.19% | 1.22% | 1.43% | 1.27% | 1.32% | 1.63% | 1.39% |
| 2036 | 2,204 | 651 | 2,856 | 2,373 | 698 | 3,071 | 2,542 | 744 | 3,286 | 1.12% | 1.35% | 1.18% | 1.22% | 1.55% | 1.29% | 1.31% | 1.51% | 1.35% |
| 2037 | 2,229 | 660 | 2,889 | 2,402 | 708 | 3,110 | 2,575 | 756 | 3,331 | 1.13% | 1.40% | 1.19% | 1.22% | 1.43% | 1.27% | 1.30% | 1.57% | 1.36% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.66% |
| Medium: | 25.45% |
| Low: | 20.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

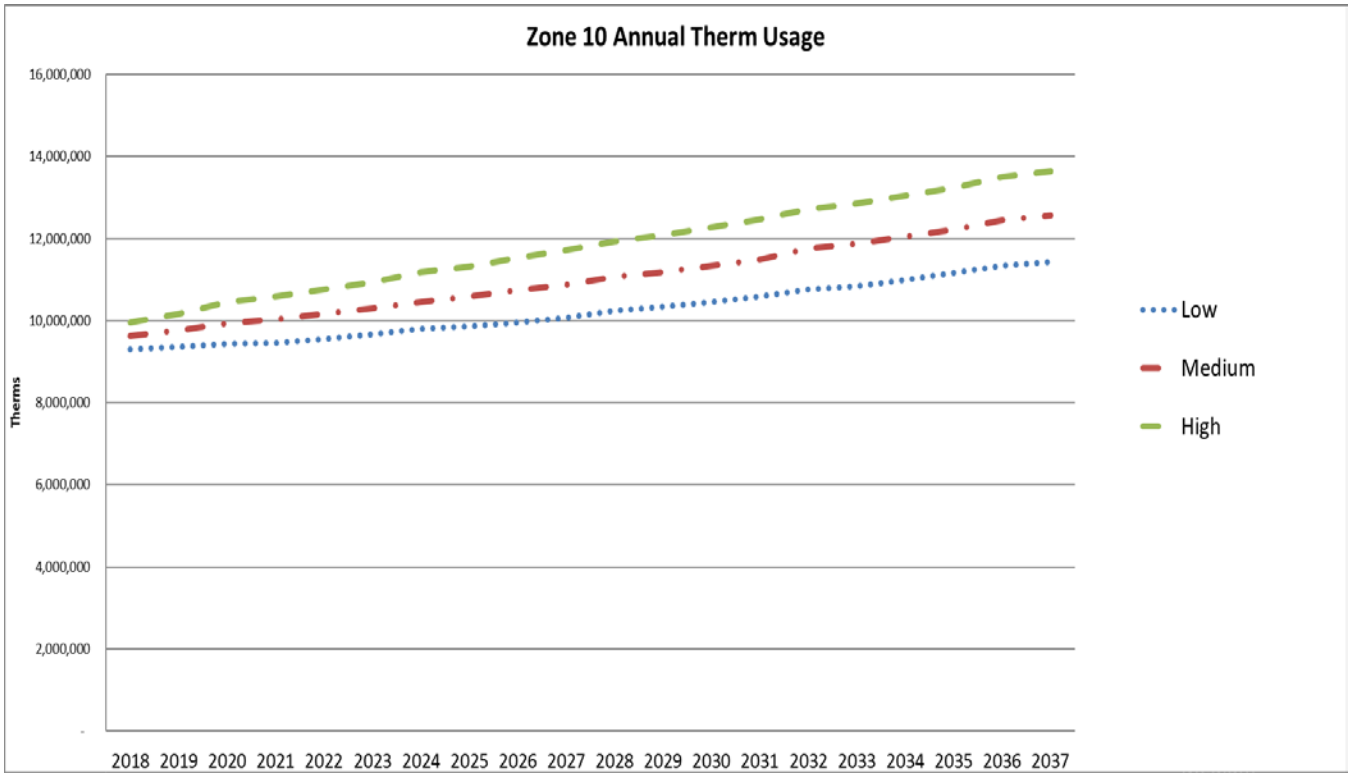
## Zone 10

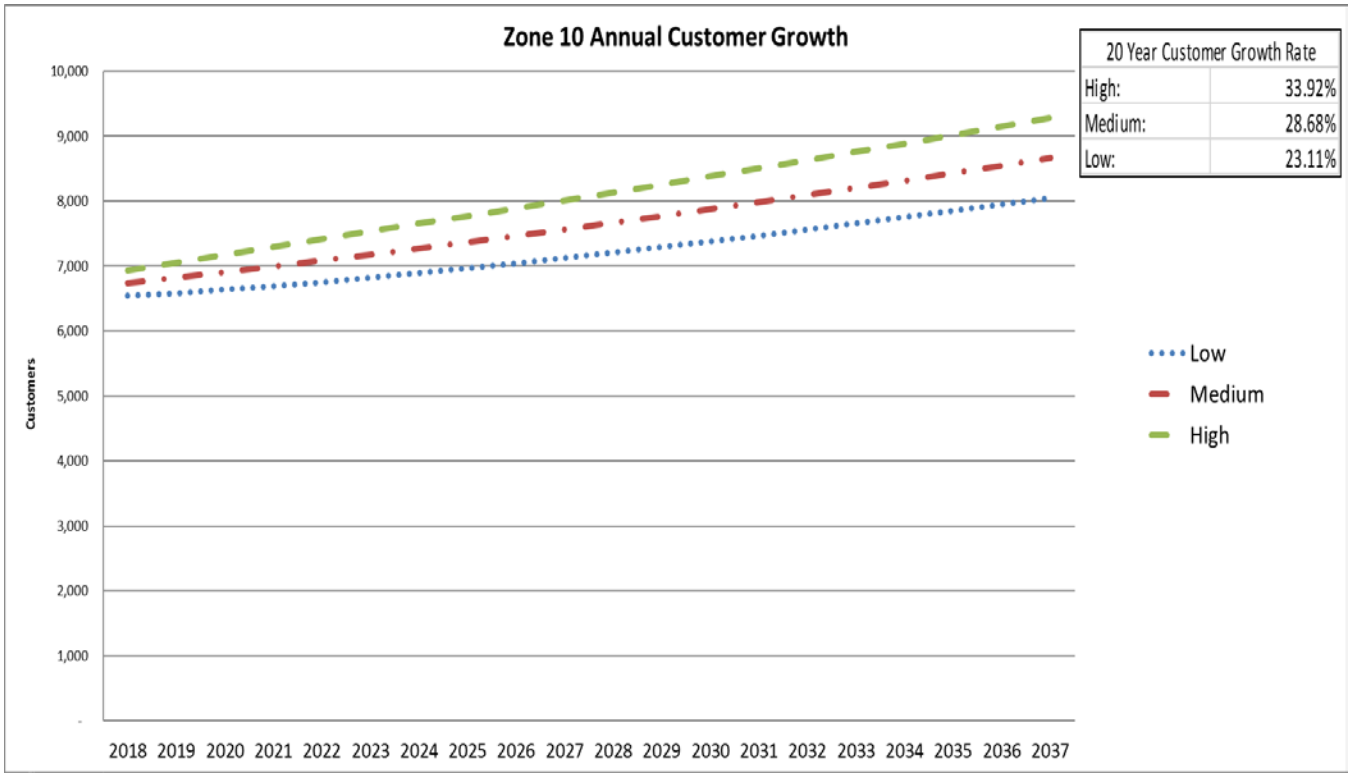
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 5,742,150 | 3,557,044 | 9,299,194 | 5,941,535 | 3,698,405 | 9,639,940 | 6,097,535 | 3,863,719 | 9,961,254 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,784,036 | 3,571,904 | 9,355,941 | 6,012,183 | 3,749,185 | 9,761,369 | 6,234,347 | 3,941,023 | 10,175,370 | 0.73% | 0.42% | 0.61% | 1.19% | 1.37% | 1.26% | 2.24% | 2.00% | 2.15% |
| 2020 | 5,854,041 | 3,593,830 | 9,447,871 | 6,131,764 | 3,807,494 | 9,939,258 | 6,391,577 | 4,056,227 | 10,447,804 | 1.21% | 0.61% | 0.98% | 1.99% | 1.56% | 1.82% | 2.52% | 2.92% | 2.68% |
| 2021 | 5,858,434 | 3,603,744 | 9,462,178 | 6,161,570 | 3,864,571 | 10,026,140 | 6,461,774 | 4,122,508 | 10,584,281 | 0.08% | 0.28% | 0.15% | 0.49% | 1.50% | 0.87% | 1.10% | 1.63% | 1.31% |
| 2022 | 5,927,525 | 3,630,013 | 9,557,538 | 6,240,744 | 3,921,063 | 10,161,808 | 6,570,413 | 4,188,934 | 10,759,347 | 1.18% | 0.73% | 1.01% | 1.28% | 1.46% | 1.35% | 1.68% | 1.61% | 1.65% |
| 2023 | 5,983,725 | 3,677,896 | 9,661,621 | 6,325,802 | 3,978,966 | 10,304,767 | 6,675,132 | 4,257,525 | 10,932,658 | 0.95% | 1.32% | 1.09% | 1.36% | 1.48% | 1.41% | 1.59% | 1.64% | 1.61% |
| 2024 | 6,079,206 | 3,728,794 | 9,808,001 | 6,447,347 | 4,016,912 | 10,464,259 | 6,818,815 | 4,371,014 | 11,189,829 | 1.60% | 1.38% | 1.52% | 1.92% | 0.95% | 1.55% | 2.15% | 2.67% | 2.35% |
| 2025 | 6,103,807 | 3,757,227 | 9,861,034 | 6,510,129 | 4,075,204 | 10,585,332 | 6,897,992 | 4,428,592 | 11,326,583 | 0.40% | 0.76% | 0.54% | 0.97% | 1.45% | 1.16% | 1.16% | 1.32% | 1.22% |
| 2026 | 6,166,894 | 3,791,903 | 9,958,797 | 6,578,531 | 4,160,195 | 10,738,726 | 7,008,938 | 4,518,197 | 11,527,135 | 1.03% | 0.92% | 0.99% | 1.05% | 2.09% | 1.45% | 1.61% | 2.02% | 1.77% |
| 2027 | 6,243,473 | 3,822,285 | 10,065,758 | 6,678,477 | 4,200,827 | 10,879,304 | 7,127,373 | 4,586,322 | 11,713,695 | 1.24% | 0.80% | 1.07% | 1.52% | 0.98% | 1.31% | 1.69% | 1.51% | 1.62% |
| 2028 | 6,360,546 | 3,879,030 | 10,239,577 | 6,803,916 | 4,263,546 | 11,067,462 | 7,272,025 | 4,660,657 | 11,932,682 | 1.88% | 1.48% | 1.73% | 1.88% | 1.49% | 1.73% | 2.03% | 1.62% | 1.87% |
| 2029 | 6,401,212 | 3,933,461 | 10,334,674 | 6,857,270 | 4,326,685 | 11,183,955 | 7,339,174 | 4,753,466 | 12,092,640 | 0.64% | 1.40% | 0.93% | 0.78% | 1.48% | 1.05% | 0.92% | 1.99% | 1.34% |
| 2030 | 6,476,951 | 3,970,139 | 10,447,089 | 6,952,142 | 4,392,751 | 11,344,893 | 7,470,936 | 4,801,565 | 12,272,501 | 1.18% | 0.93% | 1.09% | 1.38% | 1.53% | 1.44% | 1.80% | 1.01% | 1.49% |
| 2031 | 6,547,493 | 4,035,468 | 10,582,961 | 7,052,400 | 4,436,769 | 11,489,170 | 7,572,324 | 4,893,389 | 12,465,714 | 1.09% | 1.65% | 1.30% | 1.44% | 1.00% | 1.27% | 1.36% | 1.91% | 1.57% |
| 2032 | 6,674,586 | 4,095,513 | 10,770,098 | 7,196,377 | 4,559,067 | 11,755,444 | 7,724,453 | 4,992,629 | 12,717,082 | 1.94% | 1.49% | 1.77% | 2.04% | 2.76% | 2.32% | 2.01% | 2.03% | 2.02% |
| 2033 | 6,714,292 | 4,134,402 | 10,848,694 | 7,261,670 | 4,605,204 | 11,866,873 | 7,786,111 | 5,065,826 | 12,851,937 | 0.59% | 0.95% | 0.73% | 0.91% | 1.01% | 0.95% | 0.80% | 1.47% | 1.06% |
| 2034 | 6,806,068 | 4,194,680 | 11,000,748 | 7,368,803 | 4,670,941 | 12,039,744 | 7,903,332 | 5,136,725 | 13,040,057 | 1.37% | 1.46% | 1.40% | 1.48% | 1.43% | 1.46% | 1.51% | 1.40% | 1.46% |
| 2035 | 6,901,103 | 4,257,873 | 11,158,975 | 7,471,526 | 4,740,069 | 12,211,595 | 8,036,767 | 5,210,184 | 13,246,951 | 1.40% | 1.51% | 1.44% | 1.39% | 1.48% | 1.43% | 1.69% | 1.43% | 1.59% |
| 2036 | 7,036,109 | 4,298,431 | 11,334,540 | 7,635,031 | 4,807,207 | 12,442,238 | 8,191,574 | 5,310,704 | 13,502,278 | 1.96% | 0.95% | 1.57% | 2.19% | 1.42% | 1.89% | 1.93% | 1.93% | 1.93% |
| 2037 | 7,086,852 | 4,341,874 | 11,428,726 | 7,675,910 | 4,881,385 | 12,557,295 | 8,260,587 | 5,383,914 | 13,644,501 | 0.72% | 1.01% | 0.83% | 0.54% | 1.54% | 0.92% | 0.84% | 1.38% | 1.05% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 9,745 | 86,956 | 96,702 | 10,133 | 88,051 | 98,184 | 10,586 | 89,093 | 99,679 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 9,786 | 88,031 | 97,817 | 10,272 | 89,045 | 99,317 | 10,797 | 90,032 | 100,829 | 0.42% | 1.24% | 1.15% | 1.37% | 1.13% | 1.15% | 2.00% | 1.05% | 1.15% |
| 2020 | 9,846 | 89,324 | 99,171 | 10,431 | 90,259 | 100,690 | 11,113 | 91,111 | 102,224 | 0.61% | 1.47% | 1.38% | 1.56% | 1.36% | 1.38% | 2.92% | 1.20% | 1.38% |
| 2021 | 9,873 | 90,454 | 100,328 | 10,588 | 91,277 | 101,865 | 11,295 | 92,122 | 103,416 | 0.28% | 1.26% | 1.17% | 1.50% | 1.13% | 1.17% | 1.63% | 1.11% | 1.17% |
| 2022 | 9,945 | 91,761 | 101,706 | 10,743 | 92,522 | 103,265 | 11,477 | 93,360 | 104,837 | 0.73% | 1.44% | 1.37% | 1.46% | 1.36% | 1.37% | 1.61% | 1.34% | 1.37% |
| 2023 | 10,076 | 93,016 | 103,092 | 10,901 | 93,771 | 104,672 | 11,664 | 94,602 | 106,266 | 1.32% | 1.37% | 1.36% | 1.48% | 1.35% | 1.36% | 1.64% | 1.33% | 1.36% |
| 2024 | 10,216 | 94,113 | 104,329 | 11,005 | 94,922 | 105,928 | 11,975 | 95,565 | 107,541 | 1.38% | 1.18% | 1.20% | 0.95% | 1.23% | 1.20% | 2.67% | 1.02% | 1.20% |
| 2025 | 10,294 | 95,731 | 106,025 | 11,165 | 96,485 | 107,650 | 12,133 | 97,156 | 109,289 | 0.76% | 1.72% | 1.63% | 1.45% | 1.65% | 1.63% | 1.32% | 1.66% | 1.63% |
| 2026 | 10,389 | 97,023 | 107,412 | 11,398 | 97,660 | 109,058 | 12,379 | 98,340 | 110,718 | 0.92% | 1.35% | 1.31% | 2.09% | 1.22% | 1.31% | 2.02% | 1.22% | 1.31% |
| 2027 | 10,472 | 98,448 | 108,920 | 11,509 | 99,080 | 110,589 | 12,565 | 99,708 | 112,273 | 0.80% | 1.47% | 1.40% | 0.98% | 1.45% | 1.40% | 1.51% | 1.39% | 1.40% |
| 2028 | 10,627 | 99,635 | 110,262 | 11,681 | 100,271 | 111,952 | 12,769 | 100,888 | 113,657 | 1.48% | 1.21% | 1.23% | 1.49% | 1.20% | 1.23% | 1.62% | 1.18% | 1.23% |
| 2029 | 10,777 | 101,085 | 111,862 | 11,854 | 101,722 | 113,576 | 13,023 | 102,282 | 115,305 | 1.40% | 1.46% | 1.45% | 1.48% | 1.45% | 1.45% | 1.99% | 1.38% | 1.45% |
| 2030 | 10,877 | 102,544 | 113,421 | 12,035 | 103,124 | 115,159 | 13,155 | 103,758 | 116,913 | 0.93% | 1.44% | 1.39% | 1.53% | 1.38% | 1.39% | 1.01% | 1.44% | 1.39% |
| 2031 | 11,056 | 103,768 | 114,824 | 12,156 | 104,429 | 116,584 | 13,407 | 104,953 | 118,360 | 1.65% | 1.19% | 1.24% | 1.00% | 1.26% | 1.24% | 1.91% | 1.15% | 1.24% |
| 2032 | 11,221 | 105,895 | 117,115 | 12,491 | 106,420 | 118,910 | 13,678 | 107,042 | 120,721 | 1.49% | 2.05% | 1.99% | 2.76% | 1.91% | 1.99% | 2.03% | 1.99% | 1.99% |
| 2033 | 11,327 | 107,239 | 118,566 | 12,617 | 107,766 | 120,383 | 13,879 | 108,337 | 122,216 | 0.95% | 1.27% | 1.24% | 1.01% | 1.27% | 1.24% | 1.47% | 1.21% | 1.24% |
| 2034 | 11,492 | 108,747 | 120,239 | 12,797 | 109,285 | 122,082 | 14,073 | 109,867 | 123,941 | 1.46% | 1.41% | 1.41% | 1.43% | 1.41% | 1.41% | 1.40% | 1.41% | 1.41% |
| 2035 | 11,665 | 110,366 | 122,032 | 12,986 | 110,915 | 123,902 | 14,274 | 111,514 | 125,788 | 1.51% | 1.49% | 1.49% | 1.48% | 1.49% | 1.49% | 1.43% | 1.50% | 1.49% |
| 2036 | 11,777 | 111,989 | 123,766 | 13,170 | 112,492 | 125,663 | 14,550 | 113,026 | 127,576 | 0.95% | 1.47% | 1.42% | 1.42% | 1.42% | 1.42% | 1.93% | 1.36% | 1.42% |
| 2037 | 11,896 | 113,477 | 125,373 | 13,374 | 113,920 | 127,294 | 14,750 | 114,482 | 129,232 | 1.01% | 1.33% | 1.30% | 1.54% | 1.27% | 1.30% | 1.38% | 1.29% | 1.30% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,010,107 | 6,289,087 | 9,299,194 | 3,100,817 | 6,539,122 | 9,639,940 | 3,191,198 | 6,770,056 | 9,961,254 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,030,929 | 6,325,012 | 9,355,941 | 3,141,614 | 6,619,754 | 9,761,369 | 3,252,758 | 6,922,612 | 10,175,370 | 0.69% | 0.57% | 0.61% | 1.32% | 1.23% | 1.26% | 1.93% | 2.25% | 2.15% |
| 2020 | 3,068,206 | 6,379,666 | 9,447,871 | 3,195,598 | 6,743,660 | 9,939,258 | 3,323,465 | 7,124,340 | 10,447,804 | 1.23% | 0.86% | 0.98% | 1.72% | 1.87% | 1.82% | 2.17% | 2.91% | 2.68% |
| 2021 | 3,080,205 | 6,381,973 | 9,462,178 | 3,221,569 | 6,804,571 | 10,026,140 | 3,362,139 | 7,222,142 | 10,584,281 | 0.39% | 0.04% | 0.15% | 0.81% | 0.90% | 0.87% | 1.16% | 1.37% | 1.31% |
| 2022 | 3,107,005 | 6,450,533 | 9,557,538 | 3,260,944 | 6,900,863 | 10,161,808 | 3,414,268 | 7,345,079 | 10,759,347 | 0.87% | 1.07% | 1.01% | 1.22% | 1.42% | 1.35% | 1.55% | 1.70% | 1.65% |
| 2023 | 3,136,084 | 6,525,537 | 9,661,621 | 3,301,843 | 7,002,924 | 10,304,767 | 3,466,853 | 7,465,804 | 10,932,658 | 0.94% | 1.16% | 1.09% | 1.25% | 1.48% | 1.41% | 1.54% | 1.64% | 1.61% |
| 2024 | 3,181,789 | 6,626,212 | 9,808,001 | 3,359,140 | 7,105,119 | 10,464,259 | 3,536,303 | 7,653,526 | 11,189,829 | 1.46% | 1.54% | 1.52% | 1.74% | 1.46% | 1.55% | 2.00% | 2.51% | 2.35% |
| 2025 | 3,200,036 | 6,660,999 | 9,861,034 | 3,386,760 | 7,198,572 | 10,585,332 | 3,573,976 | 7,752,607 | 11,326,583 | 0.57% | 0.52% | 0.54% | 0.82% | 1.32% | 1.16% | 1.07% | 1.29% | 1.22% |
| 2026 | 3,234,534 | 6,724,263 | 9,958,797 | 3,430,173 | 7,308,553 | 10,738,726 | 3,626,539 | 7,900,596 | 11,527,135 | 1.08% | 0.95% | 0.99% | 1.28% | 1.53% | 1.45% | 1.47% | 1.91% | 1.77% |
| 2027 | 3,269,724 | 6,796,034 | 10,065,758 | 3,474,682 | 7,404,623 | 10,879,304 | 3,680,188 | 8,033,508 | 11,713,695 | 1.09% | 1.07% | 1.07% | 1.30% | 1.31% | 1.31% | 1.48% | 1.68% | 1.62% |
| 2028 | 3,318,861 | 6,920,716 | 10,239,577 | 3,534,142 | 7,533,319 | 11,067,462 | 3,749,135 | 8,183,547 | 11,932,682 | 1.50% | 1.83% | 1.73% | 1.71% | 1.74% | 1.73% | 1.87% | 1.87% | 1.87% |
| 2029 | 3,342,850 | 6,991,823 | 10,334,674 | 3,566,200 | 7,617,755 | 11,183,955 | 3,788,160 | 8,304,479 | 12,092,640 | 0.72% | 1.03% | 0.93% | 0.91% | 1.12% | 1.05% | 1.04% | 1.48% | 1.34% |
| 2030 | 3,381,357 | 7,065,732 | 10,447,089 | 3,612,601 | 7,732,292 | 11,344,893 | 3,844,074 | 8,428,427 | 12,272,501 | 1.15% | 1.06% | 1.09% | 1.30% | 1.50% | 1.44% | 1.48% | 1.49% | 1.49% |
| 2031 | 3,420,875 | 7,162,086 | 10,582,961 | 3,659,829 | 7,829,341 | 11,489,170 | 3,899,267 | 8,566,446 | 12,465,714 | 1.17% | 1.36% | 1.30% | 1.31% | 1.26% | 1.27% | 1.44% | 1.64% | 1.57% |
| 2032 | 3,476,456 | 7,293,643 | 10,770,098 | 3,724,275 | 8,031,170 | 11,755,444 | 3,972,450 | 8,744,631 | 12,717,082 | 1.62% | 1.84% | 1.77% | 1.76% | 2.58% | 2.32% | 1.88% | 2.08% | 2.02% |
| 2033 | 3,501,787 | 7,346,907 | 10,848,694 | 3,755,621 | 8,111,253 | 11,866,873 | 4,010,526 | 8,841,411 | 12,851,937 | 0.73% | 0.73% | 0.73% | 0.84% | 1.00% | 0.95% | 0.96% | 1.11% | 1.06% |
| 2034 | 3,544,262 | 7,456,486 | 11,000,748 | 3,805,088 | 8,234,656 | 12,039,744 | 4,066,900 | 8,973,157 | 13,040,057 | 1.21% | 1.49% | 1.40% | 1.32% | 1.52% | 1.46% | 1.41% | 1.49% | 1.46% |
| 2035 | 3,588,064 | 7,570,911 | 11,158,975 | 3,856,739 | 8,354,856 | 12,211,595 | 4,125,449 | 9,121,502 | 13,246,951 | 1.24% | 1.53% | 1.44% | 1.36% | 1.46% | 1.43% | 1.44% | 1.65% | 1.59% |
| 2036 | 3,648,174 | 7,686,365 | 11,334,540 | 3,924,665 | 8,517,573 | 12,442,238 | 4,201,765 | 9,300,513 | 13,502,278 | 1.68% | 1.52% | 1.57% | 1.76% | 1.95% | 1.89% | 1.85% | 1.96% | 1.93% |
| 2037 | 3,676,459 | 7,752,268 | 11,428,726 | 3,958,881 | 8,598,414 | 12,557,295 | 4,240,797 | 9,403,703 | 13,644,501 | 0.78% | 0.86% | 0.83% | 0.87% | 0.95% | 0.92% | 0.93% | 1.11% | 1.05% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 5,133 | 1,409 | 6,542 | 5,291 | 1,445 | 6,736 | 5,450 | 1,479 | 6,929 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,166 | 1,419 | 6,585 | 5,358 | 1,463 | 6,821 | 5,550 | 1,508 | 7,057 | 0.65% | 0.70% | 0.66% | 1.25% | 1.27% | 1.26% | 1.83% | 1.93% | 1.85% |
| 2020 | 5,206 | 1,431 | 6,637 | 5,425 | 1,483 | 6,908 | 5,645 | 1,536 | 7,181 | 0.78% | 0.80% | 0.78% | 1.26% | 1.40% | 1.29% | 1.72% | 1.90% | 1.76% |
| 2021 | 5,251 | 1,443 | 6,694 | 5,494 | 1,503 | 6,997 | 5,737 | 1,563 | 7,300 | 0.86% | 0.86% | 0.86% | 1.27% | 1.31% | 1.28% | 1.64% | 1.72% | 1.65% |
| 2022 | 5,299 | 1,458 | 6,757 | 5,564 | 1,524 | 7,088 | 5,829 | 1,589 | 7,419 | 0.92% | 1.03% | 0.94% | 1.28% | 1.37% | 1.30% | 1.60% | 1.70% | 1.62% |
| 2023 | 5,350 | 1,474 | 6,824 | 5,636 | 1,545 | 7,181 | 5,921 | 1,616 | 7,536 | 0.96% | 1.10% | 0.99% | 1.28% | 1.41% | 1.31% | 1.57% | 1.66% | 1.59% |
| 2024 | 5,404 | 1,490 | 6,894 | 5,708 | 1,566 | 7,274 | 6,012 | 1,644 | 7,656 | 1.01% | 1.13% | 1.03% | 1.29% | 1.34% | 1.30% | 1.54% | 1.73% | 1.58% |
| 2025 | 5,460 | 1,507 | 6,967 | 5,782 | 1,588 | 7,370 | 6,104 | 1,670 | 7,775 | 1.04% | 1.14% | 1.06% | 1.29% | 1.45% | 1.33% | 1.54% | 1.63% | 1.56% |
| 2026 | 5,519 | 1,525 | 7,044 | 5,857 | 1,612 | 7,469 | 6,195 | 1,698 | 7,893 | 1.08% | 1.18% | 1.10% | 1.30% | 1.48% | 1.34% | 1.49% | 1.66% | 1.53% |
| 2027 | 5,580 | 1,544 | 7,124 | 5,934 | 1,635 | 7,568 | 6,288 | 1,726 | 8,014 | 1.11% | 1.23% | 1.14% | 1.31% | 1.41% | 1.33% | 1.50% | 1.62% | 1.52% |
| 2028 | 5,642 | 1,565 | 7,207 | 6,012 | 1,659 | 7,670 | 6,381 | 1,754 | 8,135 | 1.12% | 1.32% | 1.16% | 1.31% | 1.46% | 1.35% | 1.48% | 1.62% | 1.51% |
| 2029 | 5,707 | 1,585 | 7,292 | 6,092 | 1,683 | 7,774 | 6,475 | 1,783 | 8,257 | 1.14% | 1.32% | 1.18% | 1.33% | 1.45% | 1.36% | 1.47% | 1.65% | 1.51% |
| 2030 | 5,774 | 1,606 | 7,379 | 6,172 | 1,708 | 7,880 | 6,571 | 1,811 | 8,381 | 1.17% | 1.30% | 1.20% | 1.32% | 1.49% | 1.36% | 1.48% | 1.58% | 1.50% |
| 2031 | 5,842 | 1,628 | 7,470 | 6,254 | 1,733 | 7,987 | 6,667 | 1,839 | 8,506 | 1.18% | 1.40% | 1.23% | 1.33% | 1.46% | 1.35% | 1.46% | 1.59% | 1.49% |
| 2032 | 5,912 | 1,651 | 7,562 | 6,337 | 1,760 | 8,098 | 6,764 | 1,871 | 8,635 | 1.19% | 1.38% | 1.23% | 1.33% | 1.61% | 1.39% | 1.46% | 1.69% | 1.51% |
| 2033 | 5,983 | 1,673 | 7,656 | 6,421 | 1,787 | 8,208 | 6,861 | 1,900 | 8,761 | 1.21% | 1.36% | 1.24% | 1.32% | 1.49% | 1.36% | 1.44% | 1.58% | 1.47% |
| 2034 | 6,056 | 1,697 | 7,753 | 6,506 | 1,813 | 8,319 | 6,959 | 1,929 | 8,888 | 1.22% | 1.42% | 1.27% | 1.33% | 1.48% | 1.36% | 1.42% | 1.54% | 1.44% |
| 2035 | 6,131 | 1,721 | 7,852 | 6,593 | 1,840 | 8,434 | 7,058 | 1,960 | 9,018 | 1.23% | 1.44% | 1.28% | 1.34% | 1.50% | 1.38% | 1.42% | 1.59% | 1.46% |
| 2036 | 6,207 | 1,745 | 7,952 | 6,681 | 1,868 | 8,550 | 7,158 | 1,992 | 9,149 | 1.24% | 1.39% | 1.27% | 1.33% | 1.51% | 1.37% | 1.42% | 1.61% | 1.46% |
| 2037 | 6,284 | 1,770 | 8,054 | 6,771 | 1,896 | 8,668 | 7,257 | 2,022 | 9,279 | 1.24% | 1.41% | 1.28% | 1.35% | 1.51% | 1.38% | 1.39% | 1.52% | 1.42% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 33.92% |
| Medium: | 28.68% |
| Low: | 23.11% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

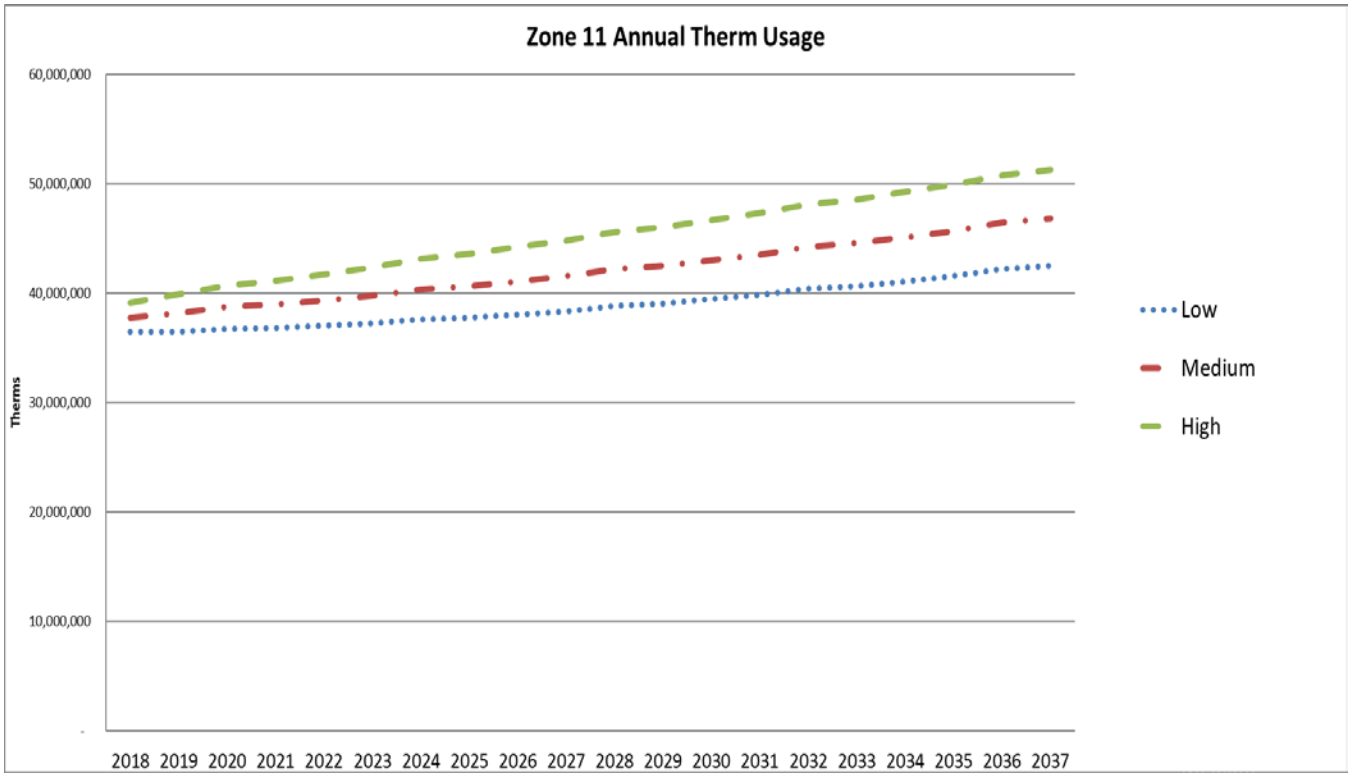
## Zone 11

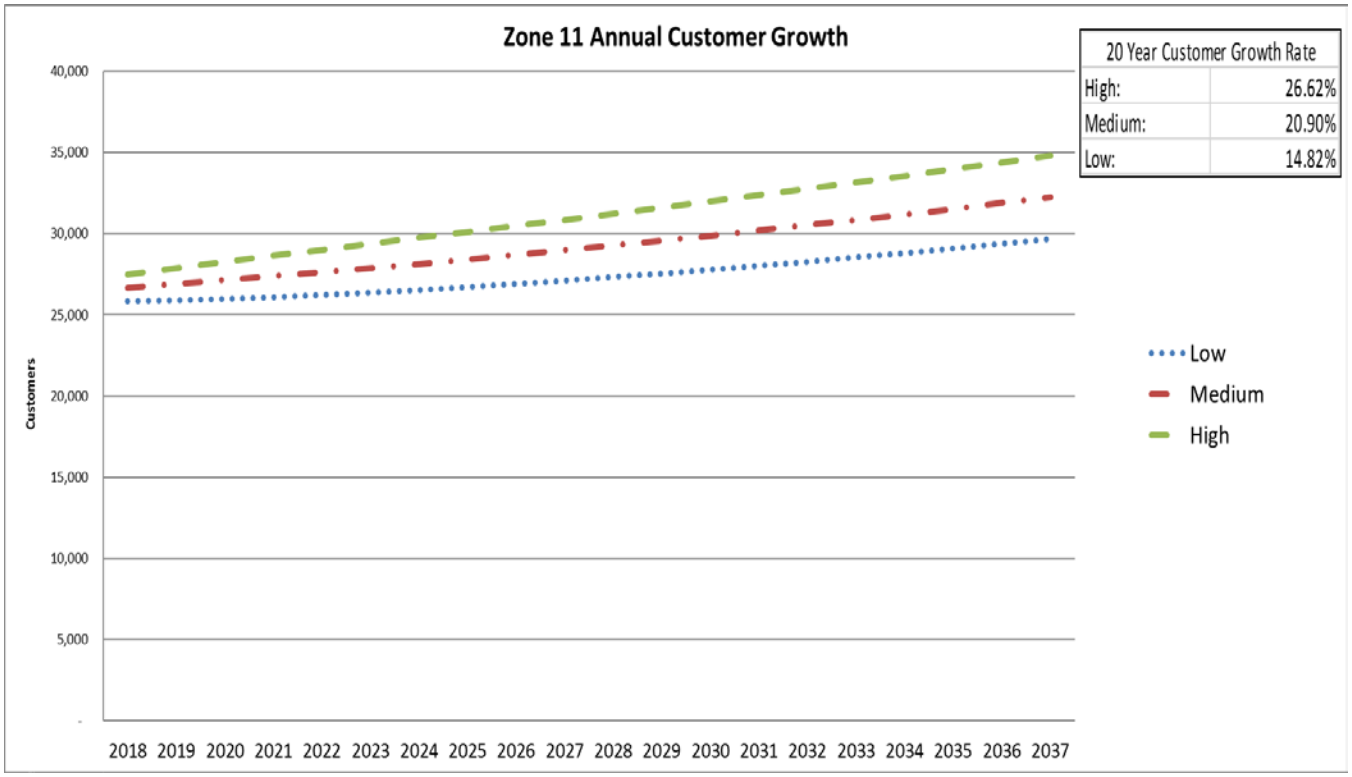
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 23,932,325 | 12,529,670 | 36,461,995 | 24,705,926 | 13,082,010 | 37,787,936 | 25,521,925 | 13,649,665 | 39,171,590 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 23,997,882 | 12,513,900 | 36,511,782 | 25,011,893 | 13,212,393 | 38,224,287 | 25,969,885 | 13,937,678 | 39,907,563 | 0.27% | -0.13% | 0.14% | 1.24% | 1.00% | 1.15% | 1.76% | 2.11% | 1.88% |
| 2020 | 24,268,154 | 12,516,216 | 36,784,370 | 25,423,269 | 13,326,302 | 38,749,571 | 26,552,442 | 14,138,984 | 40,691,426 | 1.13% | 0.02% | 0.75% | 1.64% | 0.86% | 1.37% | 2.24% | 1.44% | 1.96% |
| 2021 | 24,260,889 | 12,572,450 | 36,833,339 | 25,530,956 | 13,431,924 | 38,962,879 | 26,793,079 | 14,370,519 | 41,163,598 | -0.03% | 0.45% | 0.13% | 0.42% | 0.79% | 0.55% | 0.91% | 1.64% | 1.16% |
| 2022 | 24,398,328 | 12,629,277 | 37,027,605 | 25,793,265 | 13,560,195 | 39,353,460 | 27,202,928 | 14,550,572 | 41,753,499 | 0.57% | 0.45% | 0.53% | 1.03% | 0.95% | 1.00% | 1.53% | 1.25% | 1.43% |
| 2023 | 24,579,053 | 12,657,790 | 37,236,843 | 26,073,976 | 13,707,898 | 39,781,873 | 27,602,842 | 14,736,615 | 42,339,457 | 0.74% | 0.23% | 0.57% | 1.09% | 1.09% | 1.09% | 1.47% | 1.28% | 1.40% |
| 2024 | 24,922,859 | 12,731,618 | 37,654,478 | 26,564,452 | 13,811,731 | 40,376,184 | 28,218,579 | 14,948,564 | 43,167,143 | 1.40% | 0.58% | 1.12% | 1.88% | 0.76% | 1.49% | 2.23% | 1.44% | 1.95% |
| 2025 | 25,009,400 | 12,764,758 | 37,774,158 | 26,709,260 | 13,944,191 | 40,653,452 | 28,473,492 | 15,124,347 | 43,597,839 | 0.35% | 0.26% | 0.32% | 0.55% | 0.96% | 0.69% | 0.90% | 1.18% | 1.00% |
| 2026 | 25,199,571 | 12,848,826 | 38,048,397 | 27,028,854 | 14,055,251 | 41,084,106 | 28,922,999 | 15,289,113 | 44,212,112 | 0.76% | 0.66% | 0.73% | 1.20% | 0.80% | 1.06% | 1.58% | 1.09% | 1.41% |
| 2027 | 25,434,542 | 12,940,616 | 38,375,158 | 27,329,802 | 14,239,998 | 41,569,800 | 29,298,747 | 15,502,272 | 44,801,019 | 0.93% | 0.71% | 0.86% | 1.11% | 1.31% | 1.18% | 1.30% | 1.39% | 1.33% |
| 2028 | 25,829,993 | 13,011,480 | 38,841,473 | 27,838,567 | 14,357,627 | 42,196,194 | 29,901,947 | 15,688,348 | 45,590,296 | 1.55% | 0.55% | 1.22% | 1.86% | 0.83% | 1.51% | 2.06% | 1.20% | 1.76% |
| 2029 | 25,960,418 | 13,107,615 | 39,068,033 | 28,032,719 | 14,502,679 | 42,535,398 | 30,143,637 | 15,903,654 | 46,047,290 | 0.50% | 0.74% | 0.58% | 0.70% | 1.01% | 0.80% | 0.81% | 1.37% | 1.00% |
| 2030 | 26,224,723 | 13,256,406 | 39,481,129 | 28,380,013 | 14,629,964 | 43,009,977 | 30,569,962 | 16,094,028 | 46,663,990 | 1.02% | 1.14% | 1.06% | 1.24% | 0.88% | 1.12% | 1.41% | 1.20% | 1.34% |
| 2031 | 26,508,877 | 13,340,959 | 39,849,836 | 28,724,728 | 14,826,510 | 43,551,239 | 31,014,997 | 16,292,654 | 47,307,651 | 1.08% | 0.64% | 0.93% | 1.21% | 1.34% | 1.26% | 1.46% | 1.23% | 1.38% |
| 2032 | 26,970,815 | 13,445,996 | 40,416,811 | 29,285,646 | 14,959,013 | 44,244,660 | 31,634,795 | 16,512,320 | 48,147,116 | 1.74% | 0.79% | 1.42% | 1.95% | 0.89% | 1.59% | 2.00% | 1.35% | 1.77% |
| 2033 | 27,098,850 | 13,561,181 | 40,660,031 | 29,480,457 | 15,111,212 | 44,591,669 | 31,891,360 | 16,695,270 | 48,586,630 | 0.47% | 0.86% | 0.60% | 0.67% | 1.02% | 0.78% | 0.81% | 1.11% | 0.91% |
| 2034 | 27,426,783 | 13,657,885 | 41,084,668 | 29,866,471 | 15,253,570 | 45,120,041 | 32,349,941 | 16,898,028 | 49,247,970 | 1.21% | 0.71% | 1.04% | 1.31% | 0.94% | 1.18% | 1.44% | 1.21% | 1.36% |
| 2035 | 27,787,491 | 13,774,889 | 41,562,380 | 30,250,263 | 15,459,634 | 45,709,897 | 32,803,505 | 17,123,276 | 49,926,781 | 1.32% | 0.86% | 1.16% | 1.29% | 1.35% | 1.31% | 1.40% | 1.33% | 1.38% |
| 2036 | 28,268,829 | 13,943,450 | 42,212,279 | 30,857,901 | 15,608,758 | 46,466,659 | 33,475,566 | 17,312,828 | 50,788,394 | 1.73% | 1.22% | 1.56% | 2.01% | 0.96% | 1.66% | 2.05% | 1.11% | 1.73% |
| 2037 | 28,429,314 | 14,055,816 | 42,485,130 | 31,074,189 | 15,773,376 | 46,847,565 | 33,764,891 | 17,517,138 | 51,282,028 | 0.57% | 0.81% | 0.65% | 0.70% | 1.05% | 0.82% | 0.86% | 1.18% | 0.97% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 34,328 | 315,390 | 349,718 | 35,841 | 319,237 | 355,078 | 37,396 | 323,088 | 360,484 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 34,285 | 318,763 | 353,047 | 36,198 | 322,260 | 358,458 | 38,185 | 325,731 | 363,916 | -0.13% | 1.07% | 0.95% | 1.00% | 0.95% | 0.95% | 2.11% | 0.82% | 0.95% |
| 2020 | 34,291 | 321,965 | 356,256 | 36,510 | 325,206 | 361,716 | 38,737 | 328,487 | 367,224 | 0.02% | 1.00% | 0.91% | 0.86% | 0.91% | 0.91% | 1.44% | 0.85% | 0.91% |
| 2021 | 34,445 | 325,312 | 359,757 | 36,800 | 328,471 | 365,270 | 39,371 | 331,461 | 370,832 | 0.45% | 1.04% | 0.98% | 0.79% | 1.00% | 0.98% | 1.64% | 0.91% | 0.98% |
| 2022 | 34,601 | 328,553 | 363,154 | 37,151 | 331,568 | 368,719 | 39,865 | 334,469 | 374,334 | 0.45% | 1.00% | 0.94% | 0.95% | 0.94% | 0.94% | 1.25% | 0.91% | 0.94% |
| 2023 | 34,679 | 332,163 | 366,842 | 37,556 | 334,909 | 372,464 | 40,374 | 337,762 | 378,136 | 0.23% | 1.10% | 1.02% | 1.09% | 1.01% | 1.02% | 1.28% | 0.98% | 1.02% |
| 2024 | 34,881 | 335,846 | 370,727 | 37,840 | 338,569 | 376,409 | 40,955 | 341,186 | 382,140 | 0.58% | 1.11% | 1.06% | 0.76% | 1.09% | 1.06% | 1.44% | 1.01% | 1.06% |
| 2025 | 34,972 | 339,531 | 374,503 | 38,203 | 342,039 | 380,242 | 41,437 | 344,596 | 386,032 | 0.26% | 1.10% | 1.02% | 0.96% | 1.03% | 1.02% | 1.18% | 1.00% | 1.02% |
| 2026 | 35,202 | 343,399 | 378,601 | 38,508 | 345,896 | 384,404 | 41,888 | 348,369 | 390,257 | 0.66% | 1.14% | 1.09% | 0.80% | 1.13% | 1.09% | 1.09% | 1.10% | 1.09% |
| 2027 | 35,454 | 347,154 | 382,607 | 39,014 | 349,458 | 388,471 | 42,472 | 351,915 | 394,387 | 0.71% | 1.09% | 1.06% | 1.31% | 1.03% | 1.06% | 1.39% | 1.02% | 1.06% |
| 2028 | 35,648 | 351,361 | 387,009 | 39,336 | 353,604 | 392,940 | 42,982 | 355,942 | 398,924 | 0.55% | 1.21% | 1.15% | 0.83% | 1.19% | 1.15% | 1.20% | 1.14% | 1.15% |
| 2029 | 35,911 | 355,200 | 391,111 | 39,733 | 357,372 | 397,105 | 43,572 | 359,580 | 403,152 | 0.74% | 1.09% | 1.06% | 1.01% | 1.07% | 1.06% | 1.37% | 1.02% | 1.06% |
| 2030 | 36,319 | 359,304 | 395,623 | 40,082 | 361,604 | 401,686 | 44,093 | 363,710 | 407,803 | 1.14% | 1.16% | 1.15% | 0.88% | 1.18% | 1.15% | 1.20% | 1.15% | 1.15% |
| 2031 | 36,551 | 363,501 | 400,051 | 40,621 | 365,562 | 406,182 | 44,637 | 367,730 | 412,367 | 0.64% | 1.17% | 1.12% | 1.34% | 1.09% | 1.12% | 1.23% | 1.11% | 1.12% |
| 2032 | 36,838 | 368,025 | 404,864 | 40,984 | 370,085 | 411,069 | 45,239 | 372,089 | 417,328 | 0.79% | 1.24% | 1.20% | 0.89% | 1.24% | 1.20% | 1.35% | 1.19% | 1.20% |
| 2033 | 37,154 | 372,144 | 409,298 | 41,401 | 374,170 | 415,571 | 45,740 | 376,158 | 421,899 | 0.86% | 1.12% | 1.10% | 1.02% | 1.10% | 1.10% | 1.11% | 1.09% | 1.10% |
| 2034 | 37,419 | 376,700 | 414,119 | 41,791 | 378,676 | 420,466 | 46,296 | 380,573 | 426,869 | 0.71% | 1.22% | 1.18% | 0.94% | 1.20% | 1.18% | 1.21% | 1.17% | 1.18% |
| 2035 | 37,739 | 381,166 | 418,905 | 42,355 | 382,970 | 425,326 | 46,913 | 384,889 | 431,802 | 0.86% | 1.19% | 1.16% | 1.35% | 1.13% | 1.16% | 1.33% | 1.13% | 1.16% |
| 2036 | 38,201 | 385,761 | 423,962 | 42,764 | 387,696 | 430,460 | 47,432 | 389,582 | 437,015 | 1.22% | 1.21% | 1.21% | 0.96% | 1.23% | 1.21% | 1.11% | 1.22% | 1.21% |
| 2037 | 38,509 | 390,225 | 428,734 | 43,215 | 392,091 | 435,305 | 47,992 | 393,941 | 441,934 | 0.81% | 1.16% | 1.13% | 1.05% | 1.13% | 1.13% | 1.18% | 1.12% | 1.13% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 13,737,940 | 22,724,055 | 36,461,995 | 14,159,821 | 23,628,115 | 37,787,936 | 14,582,027 | 24,589,563 | 39,171,590 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 13,779,895 | 22,731,886 | 36,511,782 | 14,296,476 | 23,927,810 | 38,224,287 | 14,812,791 | 25,094,772 | 39,907,563 | 0.31% | 0.03% | 0.14% | 0.97% | 1.27% | 1.15% | 1.58% | 2.05% | 1.88% |
| 2020 | 13,894,434 | 22,889,936 | 36,784,370 | 14,489,386 | 24,260,184 | 38,749,571 | 15,083,477 | 25,607,949 | 40,691,426 | 0.83% | 0.70% | 0.75% | 1.35% | 1.39% | 1.37% | 1.83% | 2.04% | 1.96% |
| 2021 | 13,898,046 | 22,935,293 | 36,833,339 | 14,555,936 | 24,406,944 | 38,962,879 | 15,213,554 | 25,950,044 | 41,163,598 | 0.03% | 0.20% | 0.13% | 0.46% | 0.60% | 0.55% | 0.86% | 1.34% | 1.16% |
| 2022 | 13,967,633 | 23,059,972 | 37,027,605 | 14,685,094 | 24,668,366 | 39,353,460 | 15,401,644 | 26,351,855 | 41,753,499 | 0.50% | 0.54% | 0.53% | 0.89% | 1.07% | 1.00% | 1.24% | 1.55% | 1.43% |
| 2023 | 14,048,438 | 23,188,405 | 37,236,843 | 14,819,845 | 24,962,028 | 39,781,873 | 15,591,152 | 26,748,306 | 42,339,457 | 0.58% | 0.56% | 0.57% | 0.92% | 1.19% | 1.09% | 1.23% | 1.50% | 1.40% |
| 2024 | 14,200,309 | 23,454,169 | 37,654,478 | 15,026,325 | 25,349,858 | 40,376,184 | 15,852,318 | 27,314,826 | 43,167,143 | 1.08% | 1.15% | 1.12% | 1.39% | 1.55% | 1.49% | 1.68% | 2.12% | 1.95% |
| 2025 | 14,233,627 | 23,540,531 | 37,774,158 | 15,104,317 | 25,549,135 | 40,653,452 | 15,974,802 | 27,623,037 | 43,597,839 | 0.23% | 0.37% | 0.32% | 0.52% | 0.79% | 0.69% | 0.77% | 1.13% | 1.00% |
| 2026 | 14,335,151 | 23,713,246 | 38,048,397 | 15,251,468 | 25,832,637 | 41,084,106 | 16,167,102 | 28,045,010 | 44,212,112 | 0.71% | 0.73% | 0.73% | 0.97% | 1.11% | 1.06% | 1.20% | 1.53% | 1.41% |
| 2027 | 14,442,334 | 23,932,824 | 38,375,158 | 15,401,552 | 26,168,249 | 41,569,800 | 16,360,880 | 28,440,139 | 44,801,019 | 0.75% | 0.93% | 0.86% | 0.98% | 1.30% | 1.18% | 1.20% | 1.41% | 1.33% |
| 2028 | 14,613,704 | 24,227,770 | 38,841,473 | 15,618,539 | 26,577,655 | 42,196,194 | 16,622,917 | 28,967,378 | 45,590,296 | 1.19% | 1.23% | 1.22% | 1.41% | 1.56% | 1.51% | 1.60% | 1.85% | 1.76% |
| 2029 | 14,672,864 | 24,395,169 | 39,068,033 | 15,713,752 | 26,821,646 | 42,535,398 | 16,753,980 | 29,293,310 | 46,047,290 | 0.40% | 0.69% | 0.58% | 0.61% | 0.92% | 0.80% | 0.79% | 1.13% | 1.00% |
| 2030 | 14,796,075 | 24,685,054 | 39,481,129 | 15,874,946 | 27,135,031 | 43,009,977 | 16,953,540 | 29,710,450 | 46,663,990 | 0.84% | 1.19% | 1.06% | 1.03% | 1.17% | 1.12% | 1.19% | 1.42% | 1.34% |
| 2031 | 14,923,871 | 24,925,965 | 39,849,836 | 16,039,601 | 27,511,638 | 43,551,239 | 17,155,250 | 30,152,402 | 47,307,651 | 0.86% | 0.98% | 0.93% | 1.04% | 1.39% | 1.26% | 1.19% | 1.49% | 1.38% |
| 2032 | 15,121,276 | 25,295,535 | 40,416,811 | 16,277,850 | 27,966,810 | 44,244,660 | 17,434,068 | 30,713,048 | 48,147,116 | 1.32% | 1.48% | 1.42% | 1.49% | 1.65% | 1.59% | 1.63% | 1.86% | 1.77% |
| 2033 | 15,189,630 | 25,470,401 | 40,660,031 | 16,375,825 | 28,215,844 | 44,591,669 | 17,561,760 | 31,024,870 | 48,586,630 | 0.45% | 0.69% | 0.60% | 0.60% | 0.89% | 0.78% | 0.73% | 1.02% | 0.91% |
| 2034 | 15,329,957 | 25,754,711 | 41,084,668 | 16,550,139 | 28,569,901 | 45,120,041 | 17,769,854 | 31,478,116 | 49,247,970 | 0.92% | 1.12% | 1.04% | 1.06% | 1.25% | 1.18% | 1.18% | 1.46% | 1.36% |
| 2035 | 15,476,568 | 26,085,813 | 41,562,380 | 16,729,933 | 28,979,965 | 45,709,897 | 17,982,566 | 31,944,215 | 49,926,781 | 0.96% | 1.29% | 1.16% | 1.09% | 1.44% | 1.31% | 1.20% | 1.48% | 1.38% |
| 2036 | 15,693,282 | 26,518,997 | 42,212,279 | 16,983,492 | 29,483,167 | 46,466,659 | 18,273,938 | 32,514,457 | 50,788,394 | 1.40% | 1.66% | 1.56% | 1.52% | 1.74% | 1.66% | 1.62% | 1.79% | 1.73% |
| 2037 | 15,776,133 | 26,708,998 | 42,485,130 | 17,092,767 | 29,754,798 | 46,847,565 | 18,408,396 | 32,873,633 | 51,282,028 | 0.53% | 0.72% | 0.65% | 0.64% | 0.92% | 0.82% | 0.74% | 1.10% | 0.97% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 21,182 | 4,658 | 25,841 | 21,870 | 4,792 | 26,662 | 22,558 | 4,926 | 27,484 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 21,218 | 4,672 | 25,891 | 22,052 | 4,840 | 26,892 | 22,885 | 5,007 | 27,891 | 0.17% | 0.29% | 0.19% | 0.83% | 1.00% | 0.86% | 1.45% | 1.64% | 1.48% |
| 2020 | 21,286 | 4,695 | 25,981 | 22,240 | 4,889 | 27,129 | 23,192 | 5,082 | 28,275 | 0.32% | 0.49% | 0.35% | 0.85% | 1.01% | 0.88% | 1.34% | 1.51% | 1.37% |
| 2021 | 21,373 | 4,723 | 26,096 | 22,432 | 4,940 | 27,372 | 23,490 | 5,157 | 28,647 | 0.41% | 0.60% | 0.44% | 0.86% | 1.03% | 0.90% | 1.28% | 1.47% | 1.32% |
| 2022 | 21,473 | 4,756 | 26,229 | 22,629 | 4,993 | 27,622 | 23,783 | 5,232 | 29,015 | 0.47% | 0.69% | 0.51% | 0.88% | 1.09% | 0.92% | 1.25% | 1.44% | 1.28% |
| 2023 | 21,587 | 4,792 | 26,379 | 22,831 | 5,048 | 27,879 | 24,074 | 5,305 | 29,379 | 0.53% | 0.76% | 0.57% | 0.89% | 1.10% | 0.93% | 1.22% | 1.40% | 1.25% |
| 2024 | 21,712 | 4,831 | 26,543 | 23,038 | 5,106 | 28,144 | 24,363 | 5,382 | 29,745 | 0.58% | 0.82% | 0.62% | 0.91% | 1.14% | 0.95% | 1.20% | 1.45% | 1.25% |
| 2025 | 21,848 | 4,873 | 26,721 | 23,251 | 5,165 | 28,416 | 24,654 | 5,457 | 30,111 | 0.62% | 0.87% | 0.67% | 0.92% | 1.16% | 0.97% | 1.19% | 1.40% | 1.23% |
| 2026 | 21,993 | 4,918 | 26,910 | 23,470 | 5,226 | 28,695 | 24,946 | 5,534 | 30,479 | 0.66% | 0.92% | 0.71% | 0.94% | 1.17% | 0.98% | 1.18% | 1.40% | 1.22% |
| 2027 | 22,147 | 4,967 | 27,113 | 23,693 | 5,288 | 28,982 | 25,240 | 5,611 | 30,851 | 0.70% | 1.00% | 0.75% | 0.95% | 1.20% | 1.00% | 1.18% | 1.39% | 1.22% |
| 2028 | 22,309 | 5,017 | 27,326 | 23,923 | 5,353 | 29,276 | 25,536 | 5,691 | 31,227 | 0.73% | 1.01% | 0.78% | 0.97% | 1.23% | 1.02% | 1.17% | 1.42% | 1.22% |
| 2029 | 22,480 | 5,071 | 27,551 | 24,158 | 5,421 | 29,579 | 25,835 | 5,770 | 31,606 | 0.77% | 1.07% | 0.82% | 0.98% | 1.26% | 1.03% | 1.17% | 1.40% | 1.21% |
| 2030 | 22,659 | 5,128 | 27,786 | 24,398 | 5,489 | 29,887 | 26,137 | 5,852 | 31,989 | 0.79% | 1.13% | 0.85% | 0.99% | 1.25% | 1.04% | 1.17% | 1.41% | 1.21% |
| 2031 | 22,845 | 5,185 | 28,030 | 24,644 | 5,559 | 30,203 | 26,442 | 5,936 | 32,379 | 0.82% | 1.12% | 0.88% | 1.01% | 1.28% | 1.06% | 1.17% | 1.44% | 1.22% |
| 2032 | 23,037 | 5,245 | 28,281 | 24,894 | 5,632 | 30,526 | 26,751 | 6,020 | 32,771 | 0.84% | 1.15% | 0.90% | 1.02% | 1.31% | 1.07% | 1.17% | 1.41% | 1.21% |
| 2033 | 23,236 | 5,307 | 28,543 | 25,149 | 5,706 | 30,855 | 27,062 | 6,106 | 33,167 | 0.87% | 1.19% | 0.93% | 1.03% | 1.31% | 1.08% | 1.16% | 1.42% | 1.21% |
| 2034 | 23,442 | 5,372 | 28,814 | 25,409 | 5,781 | 31,191 | 27,377 | 6,194 | 33,571 | 0.88% | 1.23% | 0.95% | 1.03% | 1.32% | 1.09% | 1.16% | 1.44% | 1.22% |
| 2035 | 23,653 | 5,438 | 29,091 | 25,674 | 5,859 | 31,533 | 27,694 | 6,282 | 33,976 | 0.90% | 1.23% | 0.96% | 1.04% | 1.34% | 1.10% | 1.16% | 1.42% | 1.21% |
| 2036 | 23,871 | 5,508 | 29,379 | 25,943 | 5,939 | 31,882 | 28,015 | 6,371 | 34,386 | 0.92% | 1.28% | 0.99% | 1.05% | 1.37% | 1.11% | 1.16% | 1.42% | 1.21% |
| 2037 | 24,093 | 5,577 | 29,670 | 26,216 | 6,019 | 32,236 | 28,338 | 6,462 | 34,800 | 0.93% | 1.27% | 0.99% | 1.05% | 1.35% | 1.11% | 1.15% | 1.44% | 1.21% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 26.62% |
| Medium: | 20.90% |
| Low: | 14.82% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Zone 20

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 21,360,598 | 10,876,384 | 32,236,981 | 22,017,725 | 11,297,089 | 33,314,814 | 22,666,027 | 11,736,486 | 34,402,513 |
| 2019 | 21,767,785 | 11,078,778 | 32,846,562 | 22,593,852 | 11,588,259 | 34,182,111 | 23,401,554 | 12,126,559 | 35,528,112 |
| 2020 | 22,338,793 | 11,278,628 | 33,617,421 | 23,310,281 | 11,850,431 | 35,160,712 | 24,274,719 | 12,479,620 | 36,754,339 |
| 2021 | 22,671,110 | 11,489,631 | 34,160,741 | 23,738,893 | 12,155,854 | 35,894,747 | 24,834,027 | 12,860,265 | 37,694,292 |
| 2022 | 23,157,275 | 11,736,323 | 34,893,598 | 24,314,262 | 12,433,624 | 36,747,886 | 25,538,122 | 13,176,246 | 38,714,368 |
| 2023 | 23,641,976 | 11,962,288 | 35,604,264 | 24,906,442 | 12,730,376 | 37,636,818 | 26,220,453 | 13,513,682 | 39,734,135 |
| 2024 | 24,302,168 | 12,219,890 | 36,522,058 | 25,661,651 | 13,063,927 | 38,725,578 | 27,075,817 | 13,864,005 | 40,939,822 |
| 2025 | 24,658,719 | 12,462,083 | 37,120,802 | 26,118,552 | 13,335,790 | 39,454,342 | 27,603,155 | 14,245,117 | 41,848,272 |
| 2026 | 25,168,074 | 12,697,808 | 37,865,881 | 26,714,468 | 13,607,645 | 40,322,113 | 28,286,004 | 14,556,450 | 42,842,454 |
| 2027 | 25,691,559 | 12,939,371 | 38,630,930 | 27,316,433 | 13,911,728 | 41,228,161 | 28,958,055 | 14,862,409 | 43,820,464 |
| 2028 | 26,389,686 | 13,209,697 | 39,599,383 | 28,085,410 | 14,185,119 | 42,270,529 | 29,809,802 | 15,202,864 | 45,012,667 |
| 2029 | 26,778,701 | 13,454,140 | 40,232,841 | 28,538,019 | 14,506,053 | 43,044,072 | 30,304,020 | 15,508,738 | 45,812,758 |
| 2030 | 27,328,516 | 13,733,921 | 41,062,438 | 29,145,083 | 14,783,852 | 43,928,935 | 30,991,811 | 15,848,477 | 46,840,288 |
| 2031 | 27,880,384 | 13,984,942 | 41,865,325 | 29,765,857 | 15,093,212 | 44,859,069 | 31,688,140 | 16,187,019 | 47,875,159 |
| 2032 | 28,627,351 | 14,268,893 | 42,896,244 | 30,574,686 | 15,377,277 | 45,951,964 | 32,571,869 | 16,527,276 | 49,099,145 |
| 2033 | 29,011,940 | 14,526,573 | 43,538,513 | 31,008,737 | 15,691,319 | 46,700,056 | 33,043,539 | 16,841,724 | 49,885,263 |
| 2034 | 29,594,554 | 14,828,325 | 44,422,880 | 31,637,923 | 15,976,212 | 47,614,135 | 33,740,695 | 17,193,731 | 50,934,426 |
| 2035 | 30,177,106 | 15,088,896 | 45,266,002 | 32,271,721 | 16,261,945 | 48,533,666 | 34,427,102 | 17,506,085 | 51,933,187 |
| 2036 | 30,947,335 | 15,352,477 | 46,299,813 | 33,116,803 | 16,581,609 | 49,698,412 | 35,326,990 | 17,819,610 | 53,146,601 |
| 2037 | 31,352,071 | 15,648,188 | 47,000,259 | 33,568,994 | 16,906,851 | 50,475,845 | 35,805,740 | 18,163,590 | 53,969,330 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.91% | 1.86% | 1.89% | 2.62% | 2.58% | 2.60% | 3.25% | 3.32% | 3.27% |
| 2020 | 2.62% | 1.80% | 2.35% | 3.17% | 2.26% | 2.86% | 3.73% | 2.91% | 3.45% |
| 2021 | 1.49% | 1.87% | 1.62% | 1.84% | 2.58% | 2.09% | 2.30% | 3.05% | 2.56% |
| 2022 | 2.14% | 2.15% | 2.15% | 2.42% | 2.29% | 2.38% | 2.84% | 2.46% | 2.71% |
| 2023 | 2.09% | 1.93% | 2.04% | 2.44% | 2.39% | 2.42% | 2.67% | 2.56% | 2.63% |
| 2024 | 2.79% | 2.15% | 2.58% | 3.03% | 2.62% | 2.89% | 3.26% | 2.59% | 3.03% |
| 2025 | 1.47% | 1.98% | 1.64% | 1.78% | 2.08% | 1.88% | 1.95% | 2.75% | 2.22% |
| 2026 | 2.07% | 1.89% | 2.01% | 2.28% | 2.04% | 2.20% | 2.47% | 2.19% | 2.38% |
| 2027 | 2.08% | 1.90% | 2.02% | 2.25% | 2.23% | 2.25% | 2.38% | 2.10% | 2.28% |
| 2028 | 2.72% | 2.09% | 2.51% | 2.82% | 1.97% | 2.53% | 2.94% | 2.29% | 2.72% |
| 2029 | 1.47% | 1.85% | 1.60% | 1.61% | 2.26% | 1.83% | 1.66% | 2.01% | 1.78% |
| 2030 | 2.05% | 2.08% | 2.06% | 2.13% | 1.92% | 2.06% | 2.27% | 2.19% | 2.24% |
| 2031 | 2.02% | 1.83% | 1.96% | 2.13% | 2.09% | 2.12% | 2.25% | 2.14% | 2.21% |
| 2032 | 2.68% | 2.03% | 2.46% | 2.72% | 1.88% | 2.44% | 2.79% | 2.10% | 2.56% |
| 2033 | 1.34% | 1.81% | 1.50% | 1.42% | 2.04% | 1.63% | 1.45% | 1.90% | 1.60% |
| 2034 | 2.01% | 2.08% | 2.03% | 2.03% | 1.82% | 1.96% | 2.11% | 2.09% | 2.10% |
| 2035 | 1.97% | 1.76% | 1.90% | 2.00% | 1.79% | 1.93% | 2.03% | 1.82% | 1.96% |
| 2036 | 2.55% | 1.75% | 2.28% | 2.62% | 1.97% | 2.40% | 2.61% | 1.79% | 2.34% |
| 2037 | 1.31% | 1.93% | 1.51% | 1.37% | 1.96% | 1.56% | 1.36% | 1.93% | 1.55% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 29,798 | 408,739 | 438,537 | 30,951 | 414,307 | 445,258 | 32,155 | 419,883 | 452,038 |
| 2019 | 30,353 | 419,242 | 449,595 | 31,749 | 424,737 | 456,486 | 33,223 | 430,213 | 463,436 |
| 2020 | 30,900 | 429,445 | 460,345 | 32,467 | 434,934 | 467,401 | 34,191 | 440,327 | 474,518 |
| 2021 | 31,478 | 440,096 | 471,574 | 33,304 | 445,498 | 478,802 | 35,234 | 450,859 | 486,092 |
| 2022 | 32,154 | 450,473 | 482,628 | 34,065 | 455,960 | 490,024 | 36,099 | 461,387 | 497,486 |
| 2023 | 32,773 | 461,337 | 494,110 | 34,878 | 466,805 | 501,683 | 37,024 | 472,298 | 509,322 |
| 2024 | 33,479 | 472,580 | 506,059 | 35,792 | 478,023 | 513,815 | 37,984 | 483,655 | 521,639 |
| 2025 | 34,143 | 483,081 | 517,224 | 36,536 | 488,615 | 525,151 | 39,028 | 494,120 | 533,148 |
| 2026 | 34,789 | 493,865 | 528,654 | 37,281 | 499,475 | 536,756 | 39,881 | 505,049 | 544,929 |
| 2027 | 35,450 | 504,845 | 540,295 | 38,114 | 510,461 | 548,576 | 40,719 | 516,210 | 556,929 |
| 2028 | 36,191 | 515,608 | 551,799 | 38,863 | 521,392 | 560,256 | 41,652 | 527,135 | 568,787 |
| 2029 | 36,861 | 526,963 | 563,824 | 39,743 | 532,723 | 572,465 | 42,490 | 538,693 | 581,182 |
| 2030 | 37,627 | 537,953 | 575,580 | 40,504 | 543,898 | 584,402 | 43,420 | 549,880 | 593,301 |
| 2031 | 38,315 | 549,302 | 587,617 | 41,351 | 555,272 | 596,623 | 44,348 | 561,359 | 605,707 |
| 2032 | 39,093 | 560,418 | 599,511 | 42,130 | 566,570 | 608,700 | 45,280 | 572,688 | 617,968 |
| 2033 | 39,799 | 572,013 | 611,812 | 42,990 | 578,199 | 621,188 | 46,142 | 584,506 | 630,647 |
| 2034 | 40,626 | 583,328 | 623,954 | 43,770 | 589,746 | 633,516 | 47,106 | 596,057 | 643,163 |
| 2035 | 41,339 | 594,619 | 635,958 | 44,553 | 601,152 | 645,705 | 47,962 | 607,576 | 655,537 |
| 2036 | 42,062 | 606,493 | 648,554 | 45,429 | 613,065 | 658,494 | 48,821 | 619,700 | 668,521 |
| 2037 | 42,872 | 618,445 | 661,317 | 46,320 | 625,133 | 671,453 | 49,763 | 631,914 | 681,677 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.86% | 2.57% | 2.52% | 2.58% | 2.52% | 2.52% | 3.32% | 2.46% | 2.52% |
| 2020 | 1.80% | 2.43% | 2.39% | 2.26% | 2.40% | 2.39% | 2.91% | 2.35% | 2.39% |
| 2021 | 1.87% | 2.48% | 2.44% | 2.58% | 2.43% | 2.44% | 3.05% | 2.39% | 2.44% |
| 2022 | 2.15% | 2.36% | 2.34% | 2.29% | 2.35% | 2.34% | 2.46% | 2.34% | 2.34% |
| 2023 | 1.93% | 2.41% | 2.38% | 2.39% | 2.38% | 2.38% | 2.56% | 2.36% | 2.38% |
| 2024 | 2.15% | 2.44% | 2.42% | 2.62% | 2.40% | 2.42% | 2.59% | 2.40% | 2.42% |
| 2025 | 1.98% | 2.22% | 2.21% | 2.08% | 2.22% | 2.21% | 2.75% | 2.16% | 2.21% |
| 2026 | 1.89% | 2.23% | 2.21% | 2.04% | 2.22% | 2.21% | 2.19% | 2.21% | 2.21% |
| 2027 | 1.90% | 2.22% | 2.20% | 2.23% | 2.20% | 2.20% | 2.10% | 2.21% | 2.20% |
| 2028 | 2.09% | 2.13% | 2.13% | 1.97% | 2.14% | 2.13% | 2.29% | 2.12% | 2.13% |
| 2029 | 1.85% | 2.20% | 2.18% | 2.26% | 2.17% | 2.18% | 2.01% | 2.19% | 2.18% |
| 2030 | 2.08% | 2.09% | 2.09% | 1.92% | 2.10% | 2.09% | 2.19% | 2.08% | 2.09% |
| 2031 | 1.83% | 2.11% | 2.09% | 2.09% | 2.09% | 2.09% | 2.14% | 2.09% | 2.09% |
| 2032 | 2.03% | 2.02% | 2.02% | 1.88% | 2.03% | 2.02% | 2.10% | 2.02% | 2.02% |
| 2033 | 1.81% | 2.07% | 2.05% | 2.04% | 2.05% | 2.05% | 1.90% | 2.06% | 2.05% |
| 2034 | 2.08% | 1.98% | 1.98% | 1.82% | 2.00% | 1.98% | 2.09% | 1.98% | 1.98% |
| 2035 | 1.76% | 1.94% | 1.92% | 1.79% | 1.93% | 1.92% | 1.82% | 1.93% | 1.92% |
| 2036 | 1.75% | 2.00% | 1.98% | 1.97% | 1.98% | 1.98% | 1.79% | 2.00% | 1.98% |
| 2037 | 1.93% | 1.97% | 1.97% | 1.96% | 1.97% | 1.97% | 1.93% | 1.97% | 1.97% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 15,578,181 | 16,658,800 | 32,236,981 | 15,972,745 | 17,342,068 | 33,314,814 | 16,367,358 | 18,035,155 | 34,402,513 |
| 2019 | 15,962,142 | 16,884,421 | 32,846,562 | 16,466,481 | 17,715,631 | 34,182,111 | 16,971,065 | 18,557,047 | 35,528,112 |
| 2020 | 16,441,146 | 17,176,274 | 33,617,421 | 17,037,966 | 18,122,745 | 35,160,712 | 17,634,240 | 19,120,099 | 36,754,339 |
| 2021 | 16,793,799 | 17,366,943 | 34,160,741 | 17,465,110 | 18,429,637 | 35,894,747 | 18,136,734 | 19,557,558 | 37,694,292 |
| 2022 | 17,227,644 | 17,665,954 | 34,893,598 | 17,968,535 | 18,779,351 | 36,747,886 | 18,709,785 | 20,004,583 | 38,714,368 |
| 2023 | 17,673,447 | 17,930,818 | 35,604,264 | 18,477,828 | 19,158,990 | 37,636,818 | 19,282,332 | 20,451,803 | 39,734,135 |
| 2024 | 18,208,796 | 18,313,262 | 36,522,058 | 19,075,814 | 19,649,763 | 38,725,578 | 19,942,087 | 20,997,735 | 40,939,822 |
| 2025 | 18,591,391 | 18,529,411 | 37,120,802 | 19,509,896 | 19,944,447 | 39,454,342 | 20,427,946 | 21,420,326 | 41,848,272 |
| 2026 | 19,060,691 | 18,805,190 | 37,865,881 | 20,030,985 | 20,291,128 | 40,322,113 | 21,000,799 | 21,841,656 | 42,842,454 |
| 2027 | 19,537,190 | 19,093,740 | 38,630,930 | 20,555,955 | 20,672,206 | 41,228,161 | 21,575,670 | 22,244,793 | 43,820,464 |
| 2028 | 20,103,537 | 19,495,846 | 39,599,383 | 21,174,441 | 21,096,088 | 42,270,529 | 22,245,427 | 22,767,240 | 45,012,667 |
| 2029 | 20,508,465 | 19,724,376 | 40,232,841 | 21,619,540 | 21,424,531 | 43,044,072 | 22,730,846 | 23,081,912 | 45,812,758 |
| 2030 | 21,003,202 | 20,059,236 | 41,062,438 | 22,157,527 | 21,771,408 | 43,928,935 | 23,312,548 | 23,527,740 | 46,840,288 |
| 2031 | 21,503,911 | 20,361,414 | 41,865,325 | 22,699,992 | 22,159,077 | 44,859,069 | 23,895,960 | 23,979,200 | 47,875,159 |
| 2032 | 22,105,915 | 20,790,329 | 42,896,244 | 23,348,362 | 22,603,602 | 45,951,964 | 24,590,023 | 24,509,122 | 49,099,145 |
| 2033 | 22,519,978 | 21,018,535 | 43,538,513 | 23,795,346 | 22,904,709 | 46,700,056 | 25,070,884 | 24,814,379 | 49,885,263 |
| 2034 | 23,037,379 | 21,385,501 | 44,422,880 | 24,350,517 | 23,263,619 | 47,614,135 | 25,663,414 | 25,271,012 | 50,934,426 |
| 2035 | 23,561,782 | 21,704,220 | 45,266,002 | 24,911,448 | 23,622,218 | 48,533,666 | 26,261,528 | 25,671,660 | 51,933,187 |
| 2036 | 24,194,786 | 22,105,027 | 46,299,813 | 25,586,981 | 24,111,431 | 49,698,412 | 26,978,757 | 26,167,844 | 53,146,601 |
| 2037 | 24,622,697 | 22,377,561 | 47,000,259 | 26,043,479 | 24,432,366 | 50,475,845 | 27,464,073 | 26,505,256 | 53,969,330 |

Annual Change

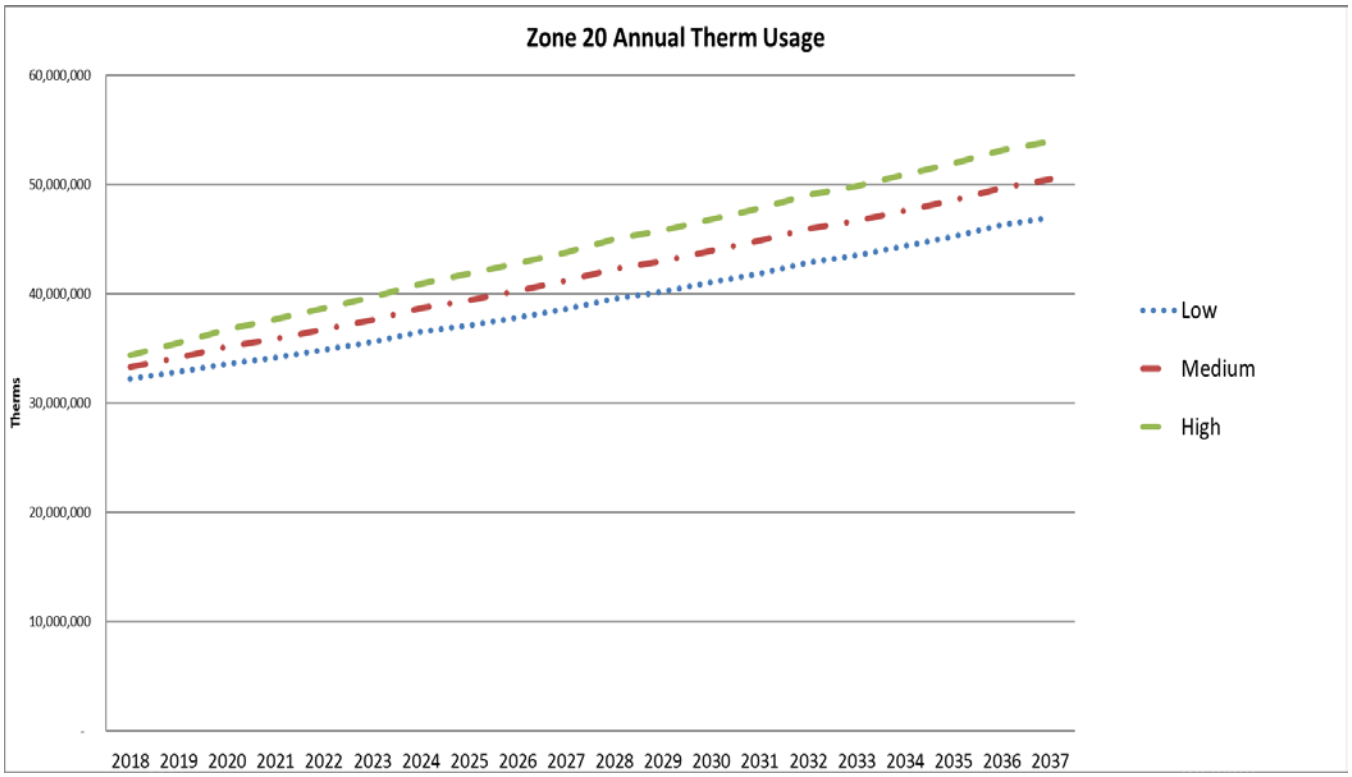
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.46% | 1.35% | 1.89% | 3.09% | 2.15% | 2.60% | 3.69% | 2.89% | 3.27% |
| 2020 | 3.00% | 1.73% | 2.35% | 3.47% | 2.30% | 2.86% | 3.91% | 3.03% | 3.45% |
| 2021 | 2.14% | 1.11% | 1.62% | 2.51% | 1.69% | 2.09% | 2.85% | 2.29% | 2.56% |
| 2022 | 2.58% | 1.72% | 2.15% | 2.88% | 1.90% | 2.38% | 3.16% | 2.29% | 2.71% |
| 2023 | 2.59% | 1.50% | 2.04% | 2.83% | 2.02% | 2.42% | 3.06% | 2.24% | 2.63% |
| 2024 | 3.03% | 2.13% | 2.58% | 3.24% | 2.56% | 2.89% | 3.42% | 2.67% | 3.03% |
| 2025 | 2.10% | 1.18% | 1.64% | 2.28% | 1.50% | 1.88% | 2.44% | 2.01% | 2.22% |
| 2026 | 2.52% | 1.49% | 2.01% | 2.67% | 1.74% | 2.20% | 2.80% | 1.97% | 2.38% |
| 2027 | 2.50% | 1.53% | 2.02% | 2.62% | 1.88% | 2.25% | 2.74% | 1.85% | 2.28% |
| 2028 | 2.90% | 2.11% | 2.51% | 3.01% | 2.05% | 2.53% | 3.10% | 2.35% | 2.72% |
| 2029 | 2.01% | 1.17% | 1.60% | 2.10% | 1.56% | 1.83% | 2.18% | 1.38% | 1.78% |
| 2030 | 2.41% | 1.70% | 2.06% | 2.49% | 1.62% | 2.06% | 2.56% | 1.93% | 2.24% |
| 2031 | 2.38% | 1.51% | 1.96% | 2.45% | 1.78% | 2.12% | 2.50% | 1.92% | 2.21% |
| 2032 | 2.80% | 2.11% | 2.46% | 2.86% | 2.01% | 2.44% | 2.90% | 2.21% | 2.56% |
| 2033 | 1.87% | 1.10% | 1.50% | 1.91% | 1.33% | 1.63% | 1.96% | 1.25% | 1.60% |
| 2034 | 2.30% | 1.75% | 2.03% | 2.33% | 1.57% | 1.96% | 2.36% | 1.84% | 2.10% |
| 2035 | 2.28% | 1.49% | 1.90% | 2.30% | 1.54% | 1.93% | 2.33% | 1.59% | 1.96% |
| 2036 | 2.69% | 1.85% | 2.28% | 2.71% | 2.07% | 2.40% | 2.73% | 1.93% | 2.34% |
| 2037 | 1.77% | 1.23% | 1.51% | 1.78% | 1.33% | 1.56% | 1.80% | 1.29% | 1.55% |

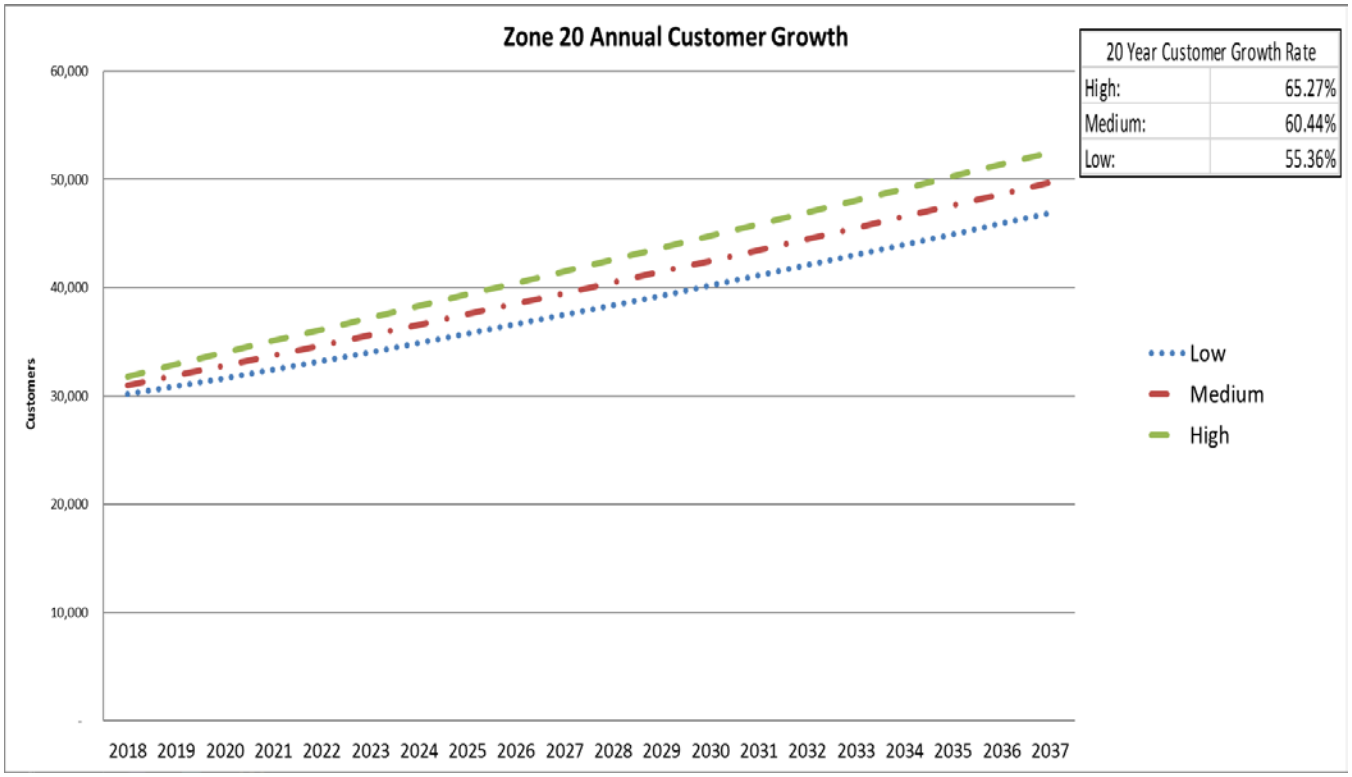
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 26,467 | 3,738 | 30,205 | 27,138 | 3,859 | 30,997 | 27,809 | 3,979 | 31,788 |
| 2019 | 27,123 | 3,789 | 30,911 | 27,976 | 3,939 | 31,915 | 28,830 | 4,091 | 32,921 |
| 2020 | 27,817 | 3,843 | 31,661 | 28,821 | 4,019 | 32,840 | 29,825 | 4,197 | 34,021 |
| 2021 | 28,540 | 3,902 | 32,442 | 29,674 | 4,100 | 33,774 | 30,807 | 4,301 | 35,108 |
| 2022 | 29,283 | 3,964 | 33,247 | 30,532 | 4,181 | 34,713 | 31,782 | 4,401 | 36,183 |
| 2023 | 30,042 | 4,027 | 34,069 | 31,398 | 4,262 | 35,661 | 32,755 | 4,500 | 37,255 |
| 2024 | 30,816 | 4,092 | 34,908 | 32,271 | 4,346 | 36,617 | 33,726 | 4,599 | 38,325 |
| 2025 | 31,604 | 4,158 | 35,762 | 33,152 | 4,428 | 37,579 | 34,699 | 4,698 | 39,397 |
| 2026 | 32,404 | 4,226 | 36,630 | 34,039 | 4,510 | 38,548 | 35,673 | 4,795 | 40,468 |
| 2027 | 33,217 | 4,295 | 37,511 | 34,933 | 4,592 | 39,525 | 36,651 | 4,892 | 41,542 |
| 2028 | 34,039 | 4,364 | 38,403 | 35,835 | 4,675 | 40,510 | 37,631 | 4,989 | 42,620 |
| 2029 | 34,873 | 4,435 | 39,308 | 36,745 | 4,760 | 41,505 | 38,617 | 5,083 | 43,700 |
| 2030 | 35,718 | 4,506 | 40,224 | 37,662 | 4,843 | 42,505 | 39,606 | 5,180 | 44,786 |
| 2031 | 36,572 | 4,578 | 41,150 | 38,587 | 4,927 | 43,513 | 40,600 | 5,276 | 45,877 |
| 2032 | 37,436 | 4,652 | 42,088 | 39,519 | 5,011 | 44,530 | 41,600 | 5,372 | 46,972 |
| 2033 | 38,310 | 4,726 | 43,036 | 40,458 | 5,097 | 45,555 | 42,605 | 5,468 | 48,073 |
| 2034 | 39,194 | 4,801 | 43,996 | 41,405 | 5,181 | 46,586 | 43,616 | 5,566 | 49,181 |
| 2035 | 40,087 | 4,876 | 44,963 | 42,359 | 5,266 | 47,625 | 44,632 | 5,661 | 50,293 |
| 2036 | 40,988 | 4,952 | 45,940 | 43,322 | 5,353 | 48,674 | 45,655 | 5,756 | 51,410 |
| 2037 | 41,900 | 5,028 | 46,928 | 44,292 | 5,439 | 49,731 | 46,683 | 5,852 | 52,535 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.48% | 1.34% | 2.34% | 3.09% | 2.07% | 2.96% | 3.67% | 2.81% | 3.56% |
| 2020 | 2.56% | 1.45% | 2.42% | 3.02% | 2.04% | 2.90% | 3.45% | 2.59% | 3.34% |
| 2021 | 2.60% | 1.52% | 2.47% | 2.96% | 2.02% | 2.84% | 3.29% | 2.48% | 3.19% |
| 2022 | 2.60% | 1.59% | 2.48% | 2.89% | 1.97% | 2.78% | 3.17% | 2.33% | 3.06% |
| 2023 | 2.59% | 1.58% | 2.47% | 2.84% | 1.95% | 2.73% | 3.06% | 2.25% | 2.96% |
| 2024 | 2.58% | 1.62% | 2.46% | 2.78% | 1.96% | 2.68% | 2.96% | 2.20% | 2.87% |
| 2025 | 2.56% | 1.63% | 2.45% | 2.73% | 1.89% | 2.63% | 2.89% | 2.16% | 2.80% |
| 2026 | 2.53% | 1.63% | 2.43% | 2.68% | 1.85% | 2.58% | 2.81% | 2.06% | 2.72% |
| 2027 | 2.51% | 1.62% | 2.40% | 2.63% | 1.83% | 2.53% | 2.74% | 2.01% | 2.65% |
| 2028 | 2.48% | 1.63% | 2.38% | 2.58% | 1.80% | 2.49% | 2.68% | 1.98% | 2.59% |
| 2029 | 2.45% | 1.61% | 2.36% | 2.54% | 1.82% | 2.46% | 2.62% | 1.89% | 2.53% |
| 2030 | 2.42% | 1.61% | 2.33% | 2.50% | 1.75% | 2.41% | 2.56% | 1.90% | 2.49% |
| 2031 | 2.39% | 1.58% | 2.30% | 2.46% | 1.72% | 2.37% | 2.51% | 1.86% | 2.44% |
| 2032 | 2.36% | 1.63% | 2.28% | 2.42% | 1.72% | 2.34% | 2.46% | 1.81% | 2.39% |
| 2033 | 2.34% | 1.58% | 2.25% | 2.38% | 1.71% | 2.30% | 2.42% | 1.78% | 2.34% |
| 2034 | 2.31% | 1.60% | 2.23% | 2.34% | 1.66% | 2.26% | 2.37% | 1.79% | 2.31% |
| 2035 | 2.28% | 1.56% | 2.20% | 2.31% | 1.63% | 2.23% | 2.33% | 1.71% | 2.26% |
| 2036 | 2.25% | 1.55% | 2.17% | 2.27% | 1.64% | 2.20% | 2.29% | 1.68% | 2.22% |
| 2037 | 2.22% | 1.54% | 2.15% | 2.24% | 1.62% | 2.17% | 2.25% | 1.68% | 2.19% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 65.27% |
| Medium: | 60.44% |
| Low: | 55.36% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

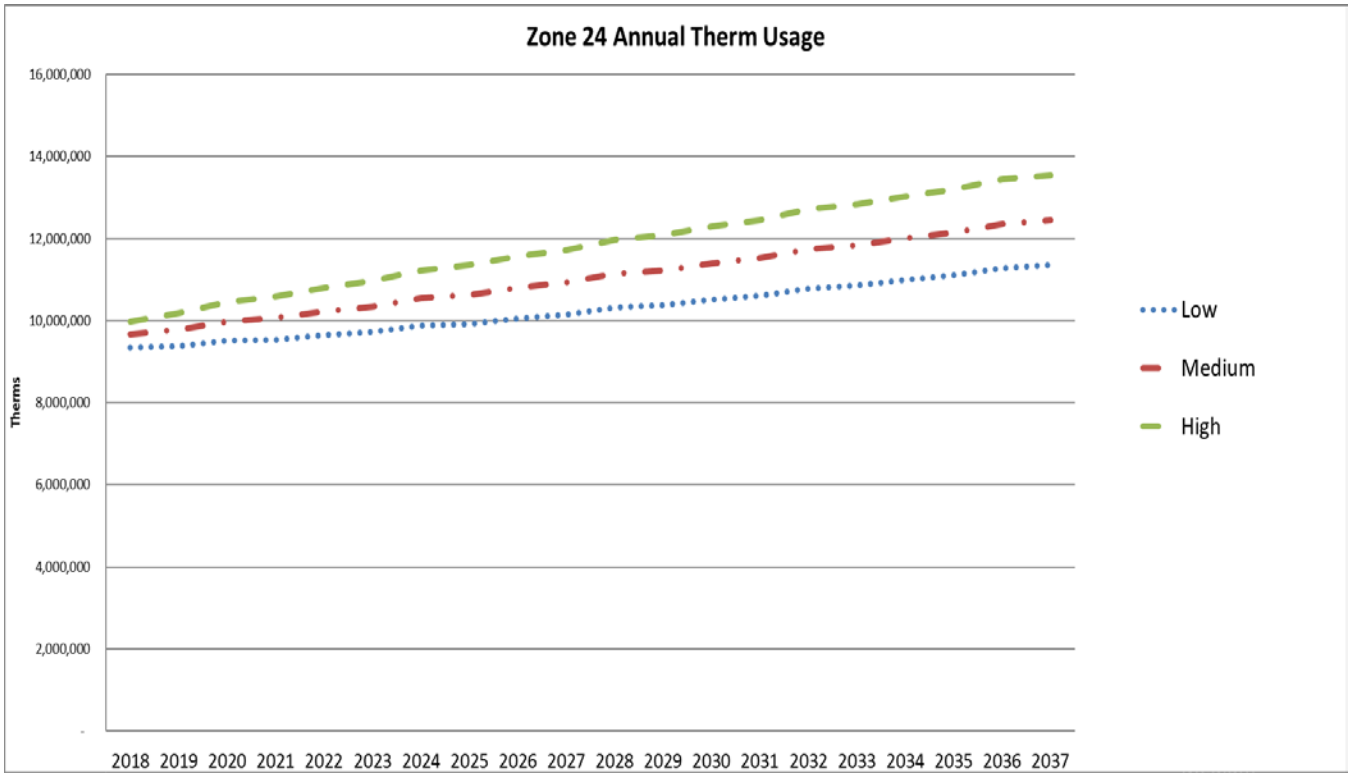
## Zone 24

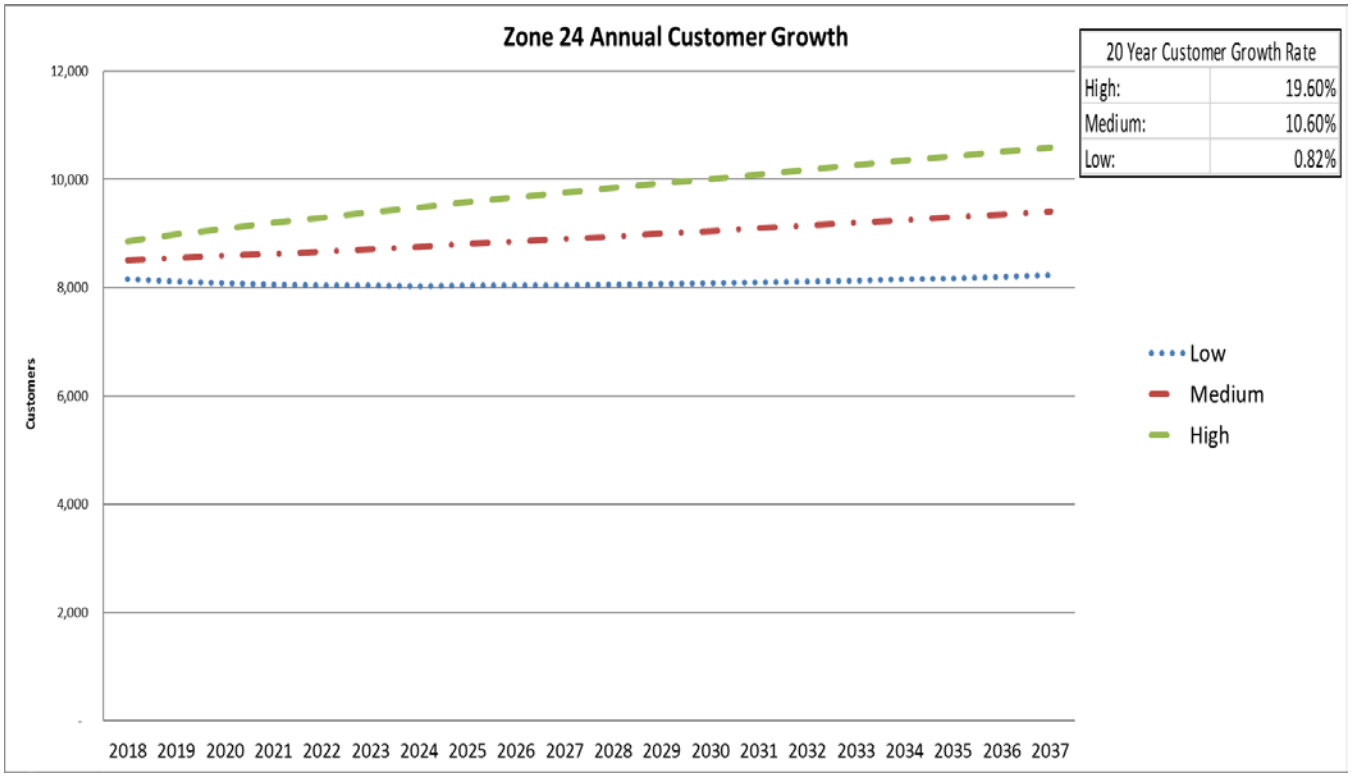
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 6,399,946 | 2,952,560 | 9,352,507 | 6,636,588 | 3,025,344 | 9,661,932 | 6,874,761 | 3,099,079 | 9,973,840 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,346,008 | 3,041,553 | 9,387,560 | 6,649,123 | 3,134,068 | 9,783,191 | 6,950,724 | 3,227,373 | 10,178,098 | -0.84% | 3.01% | 0.37% | 0.19% | 3.59% | 1.26% | 1.10% | 4.14% | 2.05% |
| 2020 | 6,433,211 | 3,084,919 | 9,518,130 | 6,792,890 | 3,192,513 | 9,985,403 | 7,149,770 | 3,300,188 | 10,449,958 | 1.37% | 1.43% | 1.39% | 2.16% | 1.86% | 2.07% | 2.86% | 2.26% | 2.67% |
| 2021 | 6,362,304 | 3,179,900 | 9,542,204 | 6,763,632 | 3,301,394 | 10,065,026 | 7,164,978 | 3,422,883 | 10,587,860 | -1.10% | 3.08% | 0.25% | -0.43% | 3.41% | 0.80% | 0.21% | 3.72% | 1.32% |
| 2022 | 6,417,739 | 3,226,004 | 9,643,744 | 6,859,477 | 3,359,990 | 10,219,467 | 7,302,631 | 3,493,116 | 10,795,747 | 0.87% | 1.45% | 1.06% | 1.42% | 1.77% | 1.53% | 1.92% | 2.05% | 1.96% |
| 2023 | 6,395,732 | 3,324,550 | 9,720,282 | 6,875,257 | 3,469,860 | 10,345,117 | 7,356,468 | 3,613,321 | 10,969,789 | -0.34% | 3.05% | 0.79% | 0.23% | 3.27% | 1.23% | 0.74% | 3.44% | 1.61% |
| 2024 | 6,498,561 | 3,373,970 | 9,872,531 | 7,017,315 | 3,528,612 | 10,545,927 | 7,537,558 | 3,683,156 | 11,220,714 | 1.61% | 1.49% | 1.57% | 2.07% | 1.69% | 1.94% | 2.46% | 1.93% | 2.29% |
| 2025 | 6,450,259 | 3,473,923 | 9,924,182 | 6,997,293 | 3,638,573 | 10,635,867 | 7,548,272 | 3,802,355 | 11,350,627 | -0.74% | 2.96% | 0.52% | -0.29% | 3.12% | 0.85% | 0.14% | 3.24% | 1.16% |
| 2026 | 6,529,891 | 3,524,688 | 10,054,579 | 7,107,840 | 3,698,243 | 10,806,083 | 7,688,370 | 3,871,962 | 11,560,332 | 1.23% | 1.46% | 1.31% | 1.58% | 1.64% | 1.60% | 1.86% | 1.83% | 1.85% |
| 2027 | 6,518,753 | 3,625,943 | 10,144,696 | 7,126,240 | 3,808,355 | 10,934,595 | 7,736,390 | 3,990,922 | 11,727,312 | -0.17% | 2.87% | 0.90% | 0.26% | 2.98% | 1.19% | 0.62% | 3.07% | 1.44% |
| 2028 | 6,636,228 | 3,678,010 | 10,314,237 | 7,275,830 | 3,868,253 | 11,144,083 | 7,917,330 | 4,058,509 | 11,975,839 | 1.80% | 1.44% | 1.67% | 2.10% | 1.57% | 1.92% | 2.34% | 1.69% | 2.12% |
| 2029 | 6,589,375 | 3,780,367 | 10,369,742 | 7,252,322 | 3,978,371 | 11,230,692 | 7,916,412 | 4,177,312 | 12,093,723 | -0.71% | 2.78% | 0.54% | -0.32% | 2.85% | 0.78% | -0.01% | 2.93% | 0.98% |
| 2030 | 6,672,873 | 3,833,600 | 10,506,473 | 7,360,309 | 4,039,214 | 11,399,523 | 8,050,745 | 4,244,969 | 12,295,714 | 1.27% | 1.41% | 1.32% | 1.49% | 1.53% | 1.50% | 1.70% | 1.62% | 1.67% |
| 2031 | 6,668,330 | 3,936,187 | 10,604,517 | 7,380,995 | 4,150,400 | 11,531,395 | 8,094,376 | 4,363,616 | 12,457,992 | -0.07% | 2.68% | 0.93% | 0.28% | 2.75% | 1.16% | 0.54% | 2.79% | 1.32% |
| 2032 | 6,796,130 | 3,990,501 | 10,786,631 | 7,539,390 | 4,210,383 | 11,749,773 | 8,280,688 | 4,431,117 | 12,711,805 | 1.92% | 1.38% | 1.72% | 2.15% | 1.45% | 1.89% | 2.30% | 1.55% | 2.04% |
| 2033 | 6,760,691 | 4,094,331 | 10,855,022 | 7,521,917 | 4,321,588 | 11,843,506 | 8,283,748 | 4,548,840 | 12,832,588 | -0.52% | 2.60% | 0.63% | -0.23% | 2.64% | 0.80% | 0.04% | 2.66% | 0.95% |
| 2034 | 6,789,515 | 4,198,233 | 10,987,748 | 7,573,932 | 4,432,013 | 12,005,945 | 8,357,362 | 4,666,639 | 13,024,001 | 0.43% | 2.54% | 1.22% | 0.69% | 2.56% | 1.37% | 0.89% | 2.59% | 1.49% |
| 2035 | 6,848,526 | 4,252,795 | 11,101,321 | 7,654,490 | 4,493,858 | 12,148,348 | 8,460,475 | 4,734,011 | 13,194,487 | 0.87% | 1.30% | 1.03% | 1.06% | 1.40% | 1.19% | 1.23% | 1.44% | 1.31% |
| 2036 | 6,924,789 | 4,357,642 | 11,282,431 | 7,756,602 | 4,604,289 | 12,360,891 | 8,587,519 | 4,851,712 | 13,439,231 | 1.11% | 2.47% | 1.63% | 1.33% | 2.46% | 1.75% | 1.50% | 2.49% | 1.85% |
| 2037 | 6,939,109 | 4,411,495 | 11,350,604 | 7,785,240 | 4,665,289 | 12,450,529 | 8,633,994 | 4,918,068 | 13,552,062 | 0.21% | 1.24% | 0.60% | 0.37% | 1.32% | 0.73% | 0.54% | 1.37% | 0.84% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 8,089 | 102,026 | 110,115 | 8,289 | 103,514 | 111,803 | 8,491 | 105,015 | 113,505 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,333 | 102,861 | 111,194 | 8,586 | 104,312 | 112,899 | 8,842 | 105,776 | 114,618 | 3.01% | 0.82% | 0.98% | 3.59% | 0.77% | 0.98% | 4.14% | 0.72% | 0.98% |
| 2020 | 8,452 | 104,510 | 112,962 | 8,747 | 105,946 | 114,693 | 9,042 | 107,398 | 116,439 | 1.43% | 1.60% | 1.59% | 1.86% | 1.57% | 1.59% | 2.26% | 1.53% | 1.59% |
| 2021 | 8,712 | 105,349 | 114,061 | 9,045 | 106,764 | 115,809 | 9,378 | 108,195 | 117,572 | 3.08% | 0.80% | 0.97% | 3.41% | 0.77% | 0.97% | 3.72% | 0.74% | 0.97% |
| 2022 | 8,838 | 106,991 | 115,829 | 9,205 | 108,399 | 117,604 | 9,570 | 109,825 | 119,395 | 1.45% | 1.56% | 1.55% | 1.77% | 1.53% | 1.55% | 2.05% | 1.51% | 1.55% |
| 2023 | 9,108 | 107,857 | 116,966 | 9,506 | 109,252 | 118,758 | 9,900 | 110,667 | 120,567 | 3.05% | 0.81% | 0.98% | 3.27% | 0.79% | 0.98% | 3.44% | 0.77% | 0.98% |
| 2024 | 9,244 | 109,535 | 118,779 | 9,667 | 110,932 | 120,599 | 10,091 | 112,345 | 122,436 | 1.49% | 1.56% | 1.55% | 1.69% | 1.54% | 1.55% | 1.93% | 1.52% | 1.55% |
| 2025 | 9,518 | 110,373 | 119,891 | 9,969 | 111,760 | 121,729 | 10,417 | 113,165 | 123,582 | 2.96% | 0.77% | 0.94% | 3.12% | 0.75% | 0.94% | 3.24% | 0.73% | 0.94% |
| 2026 | 9,657 | 112,067 | 121,723 | 10,132 | 113,457 | 123,589 | 10,608 | 114,863 | 125,471 | 1.46% | 1.53% | 1.53% | 1.64% | 1.52% | 1.53% | 1.83% | 1.50% | 1.53% |
| 2027 | 9,934 | 112,939 | 122,873 | 10,434 | 114,323 | 124,756 | 10,934 | 115,722 | 126,656 | 2.87% | 0.78% | 0.94% | 2.98% | 0.76% | 0.94% | 3.07% | 0.75% | 0.94% |
| 2028 | 10,077 | 114,630 | 124,707 | 10,598 | 116,020 | 126,618 | 11,119 | 117,427 | 128,546 | 1.44% | 1.50% | 1.49% | 1.57% | 1.48% | 1.49% | 1.69% | 1.47% | 1.49% |
| 2029 | 10,357 | 115,545 | 125,903 | 10,900 | 116,933 | 127,832 | 11,445 | 118,334 | 129,779 | 2.78% | 0.80% | 0.96% | 2.85% | 0.79% | 0.96% | 2.93% | 0.77% | 0.96% |
| 2030 | 10,503 | 117,276 | 127,779 | 11,066 | 118,671 | 129,738 | 11,630 | 120,083 | 131,713 | 1.41% | 1.50% | 1.49% | 1.53% | 1.49% | 1.49% | 1.62% | 1.48% | 1.49% |
| 2031 | 10,784 | 118,166 | 128,950 | 11,371 | 119,555 | 130,926 | 11,955 | 120,964 | 132,920 | 2.68% | 0.76% | 0.92% | 2.75% | 0.74% | 0.92% | 2.79% | 0.73% | 0.92% |
| 2032 | 10,933 | 119,917 | 130,850 | 11,535 | 121,320 | 132,855 | 12,140 | 122,738 | 134,878 | 1.38% | 1.48% | 1.47% | 1.45% | 1.48% | 1.47% | 1.55% | 1.47% | 1.47% |
| 2033 | 11,217 | 121,484 | 132,701 | 11,840 | 122,895 | 134,735 | 12,463 | 124,324 | 136,787 | 2.60% | 1.31% | 1.42% | 2.64% | 1.30% | 1.42% | 2.66% | 1.29% | 1.42% |
| 2034 | 11,502 | 122,408 | 133,910 | 12,143 | 123,820 | 135,962 | 12,785 | 125,247 | 138,033 | 2.54% | 0.76% | 0.91% | 2.56% | 0.75% | 0.91% | 2.59% | 0.74% | 0.91% |
| 2035 | 11,651 | 124,144 | 135,796 | 12,312 | 125,565 | 137,877 | 12,970 | 127,006 | 139,976 | 1.30% | 1.42% | 1.41% | 1.40% | 1.41% | 1.41% | 1.44% | 1.40% | 1.41% |
| 2036 | 11,939 | 125,046 | 136,985 | 12,614 | 126,470 | 139,085 | 13,292 | 127,910 | 141,202 | 2.47% | 0.73% | 0.88% | 2.46% | 0.72% | 0.88% | 2.49% | 0.71% | 0.88% |
| 2037 | 12,086 | 126,784 | 138,871 | 12,782 | 128,218 | 140,999 | 13,474 | 129,672 | 143,146 | 1.24% | 1.39% | 1.38% | 1.32% | 1.38% | 1.38% | 1.37% | 1.38% | 1.38% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,838,031 | 5,514,475 | 9,352,507 | 4,000,833 | 5,661,099 | 9,661,932 | 4,163,562 | 5,810,278 | 9,973,840 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,816,502 | 5,571,058 | 9,387,560 | 4,021,232 | 5,761,959 | 9,783,191 | 4,225,841 | 5,952,256 | 10,178,098 | -0.56% | 1.03% | 0.37% | 0.51% | 1.78% | 1.26% | 1.50% | 2.44% | 2.05% |
| 2020 | 3,821,251 | 5,696,879 | 9,518,130 | 4,060,627 | 5,924,776 | 9,985,403 | 4,300,179 | 6,149,779 | 10,449,958 | 0.12% | 2.26% | 1.39% | 0.98% | 2.83% | 2.07% | 1.76% | 3.32% | 2.67% |
| 2021 | 3,794,666 | 5,747,538 | 9,542,204 | 4,062,524 | 6,002,502 | 10,065,026 | 4,330,514 | 6,257,347 | 10,587,860 | -0.70% | 0.89% | 0.25% | 0.05% | 1.31% | 0.80% | 0.71% | 1.75% | 1.32% |
| 2022 | 3,788,836 | 5,854,907 | 9,643,744 | 4,083,411 | 6,136,056 | 10,219,467 | 4,377,799 | 6,417,947 | 10,795,747 | -0.15% | 1.87% | 1.06% | 0.51% | 2.22% | 1.53% | 1.09% | 2.57% | 1.96% |
| 2023 | 3,786,357 | 5,933,924 | 9,720,282 | 4,105,190 | 6,239,927 | 10,345,117 | 4,423,818 | 6,545,971 | 10,969,789 | -0.07% | 1.35% | 0.79% | 0.53% | 1.69% | 1.23% | 1.05% | 1.99% | 1.61% |
| 2024 | 3,804,298 | 6,068,232 | 9,872,531 | 4,147,227 | 6,398,700 | 10,545,927 | 4,490,284 | 6,730,429 | 11,220,714 | 0.47% | 2.26% | 1.57% | 1.02% | 2.54% | 1.94% | 1.50% | 2.82% | 2.29% |
| 2025 | 3,787,919 | 6,136,263 | 9,924,182 | 4,150,442 | 6,485,424 | 10,635,867 | 4,513,059 | 6,837,568 | 11,350,627 | -0.43% | 1.12% | 0.52% | 0.08% | 1.36% | 0.85% | 0.51% | 1.59% | 1.16% |
| 2026 | 3,791,145 | 6,263,434 | 10,054,579 | 4,173,540 | 6,632,543 | 10,806,083 | 4,556,142 | 7,004,190 | 11,560,332 | 0.09% | 2.07% | 1.31% | 0.56% | 2.27% | 1.60% | 0.95% | 2.44% | 1.85% |
| 2027 | 3,795,610 | 6,349,087 | 10,144,696 | 4,197,165 | 6,737,430 | 10,934,595 | 4,598,558 | 7,128,754 | 11,727,312 | 0.12% | 1.37% | 0.90% | 0.57% | 1.58% | 1.19% | 0.93% | 1.78% | 1.44% |
| 2028 | 3,818,101 | 6,496,136 | 10,314,237 | 4,239,553 | 6,904,529 | 11,144,083 | 4,660,945 | 7,314,894 | 11,975,839 | 0.59% | 2.32% | 1.67% | 1.01% | 2.48% | 1.92% | 1.36% | 2.61% | 2.12% |
| 2029 | 3,807,897 | 6,561,845 | 10,369,742 | 4,244,982 | 6,985,710 | 11,230,692 | 4,681,802 | 7,411,922 | 12,093,723 | -0.27% | 1.01% | 0.54% | 0.13% | 1.18% | 0.78% | 0.45% | 1.33% | 0.98% |
| 2030 | 3,815,884 | 6,690,588 | 10,506,473 | 4,269,318 | 7,130,205 | 11,399,523 | 4,723,140 | 7,572,574 | 12,295,714 | 0.21% | 1.96% | 1.32% | 0.57% | 2.07% | 1.50% | 0.88% | 2.17% | 1.67% |
| 2031 | 3,824,343 | 6,780,174 | 10,604,517 | 4,294,282 | 7,237,113 | 11,531,395 | 4,764,012 | 7,693,979 | 12,457,992 | 0.22% | 1.34% | 0.93% | 0.58% | 1.50% | 1.16% | 0.87% | 1.60% | 1.32% |
| 2032 | 3,851,980 | 6,934,650 | 10,786,631 | 4,339,472 | 7,410,302 | 11,749,773 | 4,827,374 | 7,884,430 | 12,711,805 | 0.72% | 2.28% | 1.72% | 1.05% | 2.39% | 1.89% | 1.33% | 2.48% | 2.04% |
| 2033 | 3,843,544 | 7,011,478 | 10,855,022 | 4,344,138 | 7,499,368 | 11,843,506 | 4,844,515 | 7,988,072 | 12,832,588 | -0.22% | 1.11% | 0.63% | 0.11% | 1.20% | 0.80% | 0.36% | 1.31% | 0.95% |
| 2034 | 3,854,280 | 7,133,468 | 10,987,748 | 4,369,523 | 7,636,422 | 12,005,945 | 4,884,842 | 8,139,159 | 13,024,001 | 0.28% | 1.74% | 1.22% | 0.58% | 1.83% | 1.37% | 0.83% | 1.89% | 1.49% |
| 2035 | 3,866,164 | 7,235,157 | 11,101,321 | 4,395,850 | 7,752,499 | 12,148,348 | 4,925,209 | 8,269,277 | 13,194,487 | 0.31% | 1.43% | 1.03% | 0.60% | 1.52% | 1.19% | 0.83% | 1.60% | 1.31% |
| 2036 | 3,896,540 | 7,385,891 | 11,282,431 | 4,442,272 | 7,918,619 | 12,360,891 | 4,988,096 | 8,451,134 | 13,439,231 | 0.79% | 2.08% | 1.63% | 1.06% | 2.14% | 1.75% | 1.28% | 2.20% | 1.85% |
| 2037 | 3,890,587 | 7,460,017 | 11,350,604 | 4,447,428 | 8,003,101 | 12,450,529 | 5,004,257 | 8,547,805 | 13,552,062 | -0.15% | 1.00% | 0.60% | 0.12% | 1.07% | 0.73% | 0.32% | 1.14% | 0.84% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,762 | 1,397 | 8,159 | 7,056 | 1,451 | 8,507 | 7,351 | 1,506 | 8,857 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,723 | 1,388 | 8,111 | 7,090 | 1,458 | 8,548 | 7,456 | 1,528 | 8,984 | -0.57% | -0.64% | -0.58% | 0.47% | 0.48% | 0.48% | 1.43% | 1.47% | 1.44% |
| 2020 | 6,698 | 1,383 | 8,081 | 7,123 | 1,466 | 8,589 | 7,548 | 1,548 | 9,096 | -0.37% | -0.38% | -0.37% | 0.48% | 0.51% | 0.48% | 1.24% | 1.29% | 1.25% |
| 2021 | 6,681 | 1,380 | 8,061 | 7,158 | 1,473 | 8,631 | 7,634 | 1,566 | 9,201 | -0.26% | -0.24% | -0.26% | 0.48% | 0.48% | 0.48% | 1.14% | 1.18% | 1.15% |
| 2022 | 6,670 | 1,378 | 8,047 | 7,193 | 1,481 | 8,673 | 7,716 | 1,584 | 9,299 | -0.17% | -0.14% | -0.17% | 0.49% | 0.52% | 0.50% | 1.07% | 1.10% | 1.07% |
| 2023 | 6,663 | 1,376 | 8,039 | 7,229 | 1,489 | 8,717 | 7,794 | 1,600 | 9,395 | -0.10% | -0.08% | -0.10% | 0.50% | 0.54% | 0.50% | 1.02% | 1.06% | 1.02% |
| 2024 | 6,660 | 1,376 | 8,036 | 7,265 | 1,496 | 8,762 | 7,871 | 1,618 | 9,488 | -0.04% | -0.01% | -0.04% | 0.51% | 0.53% | 0.51% | 0.98% | 1.07% | 1.00% |
| 2025 | 6,660 | 1,377 | 8,037 | 7,303 | 1,505 | 8,807 | 7,945 | 1,633 | 9,579 | 0.00% | 0.04% | 0.01% | 0.51% | 0.54% | 0.52% | 0.95% | 0.98% | 0.95% |
| 2026 | 6,663 | 1,378 | 8,041 | 7,341 | 1,513 | 8,854 | 8,018 | 1,649 | 9,667 | 0.05% | 0.10% | 0.05% | 0.52% | 0.58% | 0.53% | 0.92% | 0.96% | 0.93% |
| 2027 | 6,668 | 1,380 | 8,048 | 7,380 | 1,522 | 8,901 | 8,091 | 1,665 | 9,756 | 0.08% | 0.12% | 0.09% | 0.53% | 0.56% | 0.54% | 0.90% | 0.94% | 0.91% |
| 2028 | 6,676 | 1,382 | 8,058 | 7,419 | 1,531 | 8,950 | 8,162 | 1,680 | 9,842 | 0.11% | 0.17% | 0.12% | 0.53% | 0.59% | 0.54% | 0.88% | 0.93% | 0.89% |
| 2029 | 6,685 | 1,385 | 8,070 | 7,459 | 1,539 | 8,998 | 8,232 | 1,695 | 9,927 | 0.14% | 0.17% | 0.14% | 0.54% | 0.55% | 0.54% | 0.86% | 0.88% | 0.86% |
| 2030 | 6,697 | 1,388 | 8,085 | 7,500 | 1,548 | 9,048 | 8,303 | 1,710 | 10,013 | 0.17% | 0.25% | 0.18% | 0.55% | 0.60% | 0.55% | 0.86% | 0.89% | 0.86% |
| 2031 | 6,710 | 1,391 | 8,100 | 7,541 | 1,558 | 9,099 | 8,372 | 1,725 | 10,097 | 0.19% | 0.20% | 0.19% | 0.55% | 0.59% | 0.56% | 0.84% | 0.85% | 0.84% |
| 2032 | 6,724 | 1,394 | 8,118 | 7,582 | 1,567 | 9,150 | 8,441 | 1,740 | 10,181 | 0.21% | 0.26% | 0.22% | 0.55% | 0.63% | 0.56% | 0.83% | 0.88% | 0.84% |
| 2033 | 6,739 | 1,398 | 8,137 | 7,625 | 1,577 | 9,202 | 8,510 | 1,755 | 10,265 | 0.23% | 0.27% | 0.23% | 0.56% | 0.59% | 0.57% | 0.81% | 0.87% | 0.82% |
| 2034 | 6,756 | 1,402 | 8,158 | 7,667 | 1,586 | 9,253 | 8,578 | 1,770 | 10,348 | 0.24% | 0.29% | 0.25% | 0.55% | 0.59% | 0.56% | 0.81% | 0.84% | 0.81% |
| 2035 | 6,773 | 1,406 | 8,179 | 7,710 | 1,595 | 9,305 | 8,646 | 1,784 | 10,430 | 0.26% | 0.28% | 0.26% | 0.56% | 0.59% | 0.56% | 0.78% | 0.81% | 0.79% |
| 2036 | 6,792 | 1,411 | 8,203 | 7,753 | 1,605 | 9,357 | 8,713 | 1,799 | 10,512 | 0.28% | 0.34% | 0.29% | 0.56% | 0.60% | 0.56% | 0.78% | 0.80% | 0.78% |
| 2037 | 6,811 | 1,415 | 8,226 | 7,796 | 1,614 | 9,409 | 8,780 | 1,813 | 10,593 | 0.28% | 0.28% | 0.28% | 0.56% | 0.56% | 0.56% | 0.77% | 0.78% | 0.77% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 19.60% |
| Medium: | 10.60% |
| Low: | 0.82% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

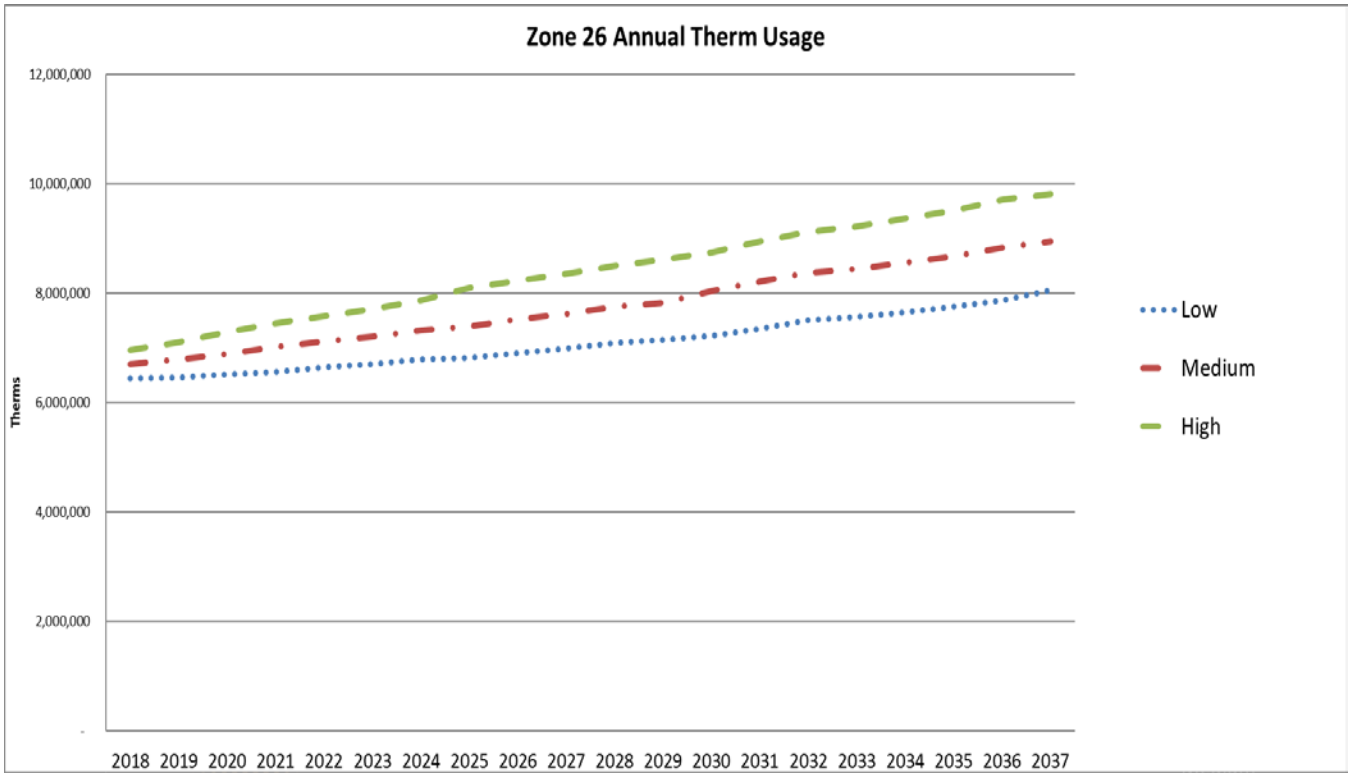
## Zone 26

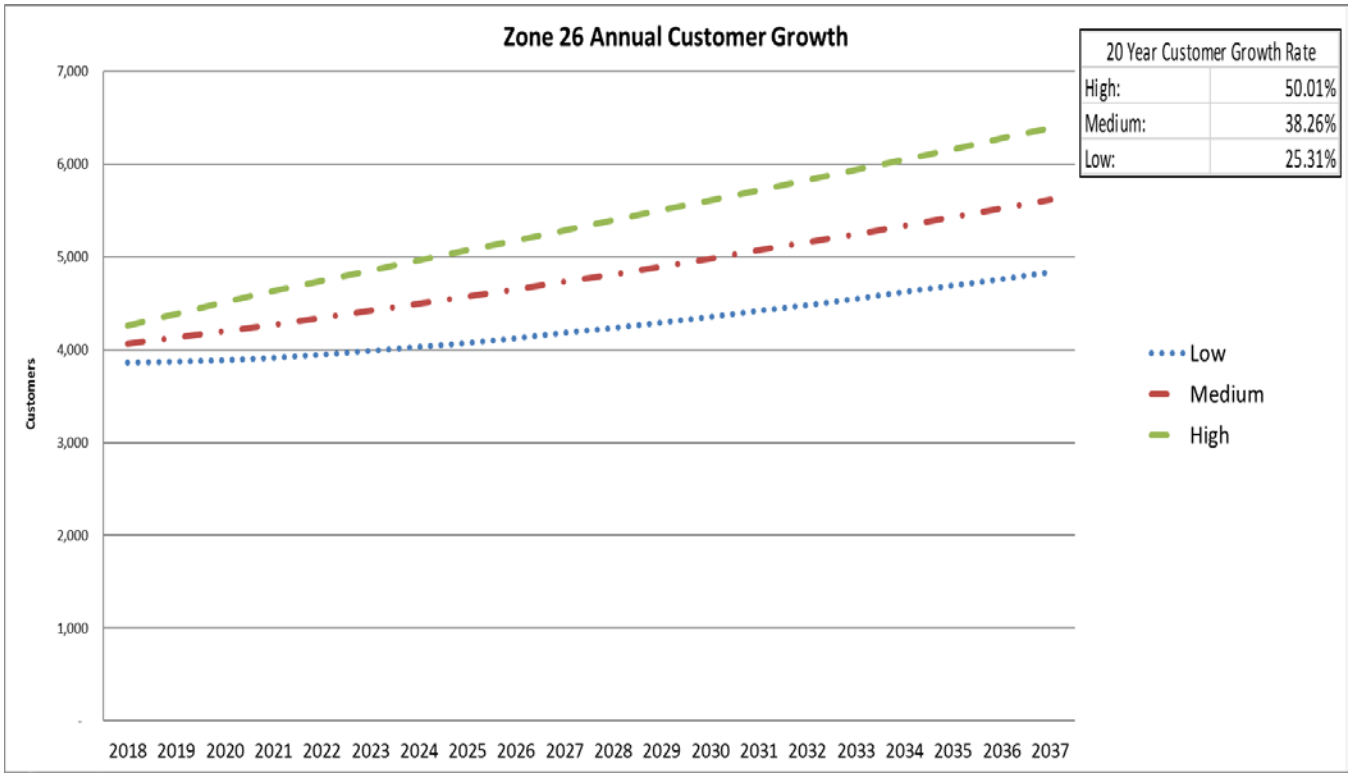
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,624,620 | 2,825,414 | 6,450,034 | 3,769,916 | 2,939,137 | 6,709,053 | 3,915,479 | 3,052,656 | 6,968,135 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,626,837 | 2,834,236 | 6,461,073 | 3,817,972 | 2,967,836 | 6,785,808 | 4,007,819 | 3,103,255 | 7,111,074 | 0.06% | 0.31% | 0.17% | 1.27% | 0.98% | 1.14% | 2.36% | 1.66% | 2.05% |
| 2020 | 3,668,956 | 2,843,169 | 6,512,125 | 3,896,823 | 2,994,409 | 6,891,232 | 4,098,857 | 3,191,225 | 7,290,082 | 1.16% | 0.32% | 0.79% | 2.07% | 0.90% | 1.55% | 2.27% | 2.83% | 2.52% |
| 2021 | 3,701,751 | 2,854,616 | 6,556,367 | 3,937,199 | 3,091,019 | 7,028,218 | 4,193,077 | 3,259,866 | 7,452,943 | 0.89% | 0.40% | 0.68% | 1.04% | 3.23% | 1.99% | 2.30% | 2.15% | 2.23% |
| 2022 | 3,754,854 | 2,900,043 | 6,654,897 | 3,999,675 | 3,121,311 | 7,120,986 | 4,282,690 | 3,303,601 | 7,586,291 | 1.43% | 1.59% | 1.50% | 1.59% | 0.98% | 1.32% | 2.14% | 1.34% | 1.79% |
| 2023 | 3,750,768 | 2,956,200 | 6,706,968 | 4,057,144 | 3,150,762 | 7,207,906 | 4,362,644 | 3,348,163 | 7,710,806 | -0.11% | 1.94% | 0.78% | 1.44% | 0.94% | 1.22% | 1.87% | 1.35% | 1.64% |
| 2024 | 3,814,524 | 2,973,763 | 6,788,287 | 4,144,755 | 3,184,465 | 7,329,220 | 4,475,049 | 3,393,106 | 7,868,156 | 1.70% | 0.59% | 1.21% | 2.16% | 1.07% | 1.68% | 2.58% | 1.34% | 2.04% |
| 2025 | 3,824,785 | 2,998,897 | 6,823,682 | 4,172,403 | 3,218,641 | 7,391,044 | 4,519,969 | 3,587,212 | 8,107,181 | 0.27% | 0.85% | 0.52% | 0.67% | 1.07% | 0.84% | 1.00% | 5.72% | 3.04% |
| 2026 | 3,875,173 | 3,025,767 | 6,900,940 | 4,250,289 | 3,279,473 | 7,529,762 | 4,597,754 | 3,632,874 | 8,230,628 | 1.32% | 0.90% | 1.13% | 1.87% | 1.89% | 1.88% | 1.72% | 1.27% | 1.52% |
| 2027 | 3,924,407 | 3,075,267 | 6,999,675 | 4,310,140 | 3,317,184 | 7,627,324 | 4,677,816 | 3,677,709 | 8,355,525 | 1.27% | 1.64% | 1.43% | 1.41% | 1.15% | 1.30% | 1.74% | 1.23% | 1.52% |
| 2028 | 3,990,082 | 3,101,130 | 7,091,212 | 4,398,391 | 3,352,627 | 7,751,018 | 4,784,109 | 3,723,753 | 8,507,863 | 1.67% | 0.84% | 1.31% | 2.05% | 1.07% | 1.62% | 2.27% | 1.25% | 1.82% |
| 2029 | 4,016,547 | 3,128,163 | 7,144,710 | 4,435,699 | 3,390,362 | 7,826,061 | 4,815,454 | 3,810,337 | 8,625,791 | 0.66% | 0.87% | 0.75% | 0.85% | 1.13% | 0.97% | 0.66% | 2.33% | 1.39% |
| 2030 | 4,064,225 | 3,158,221 | 7,222,447 | 4,492,508 | 3,553,440 | 8,045,948 | 4,895,336 | 3,857,676 | 8,753,012 | 1.19% | 0.96% | 1.09% | 1.28% | 4.81% | 2.81% | 1.66% | 1.24% | 1.47% |
| 2031 | 4,161,614 | 3,193,509 | 7,355,124 | 4,566,273 | 3,649,964 | 8,216,237 | 5,018,686 | 3,928,748 | 8,947,434 | 2.40% | 1.12% | 1.84% | 1.64% | 2.72% | 2.12% | 2.52% | 1.84% | 2.22% |
| 2032 | 4,262,803 | 3,248,121 | 7,510,924 | 4,680,586 | 3,689,541 | 8,370,127 | 5,152,638 | 3,976,306 | 9,128,944 | 2.43% | 1.71% | 2.12% | 2.50% | 1.08% | 1.87% | 2.67% | 1.21% | 2.03% |
| 2033 | 4,285,521 | 3,281,020 | 7,566,540 | 4,713,850 | 3,730,201 | 8,444,051 | 5,196,303 | 4,024,963 | 9,221,266 | 0.53% | 1.01% | 0.74% | 0.71% | 1.10% | 0.88% | 0.85% | 1.22% | 1.01% |
| 2034 | 4,306,546 | 3,349,097 | 7,655,643 | 4,785,859 | 3,769,803 | 8,555,662 | 5,293,664 | 4,079,208 | 9,372,872 | 0.49% | 2.07% | 1.18% | 1.53% | 1.06% | 1.32% | 1.87% | 1.35% | 1.64% |
| 2035 | 4,369,690 | 3,380,967 | 7,750,657 | 4,861,240 | 3,811,525 | 8,672,765 | 5,383,900 | 4,126,571 | 9,510,471 | 1.47% | 0.95% | 1.24% | 1.58% | 1.11% | 1.37% | 1.70% | 1.16% | 1.47% |
| 2036 | 4,462,252 | 3,414,810 | 7,877,063 | 4,981,292 | 3,860,089 | 8,841,381 | 5,513,107 | 4,201,669 | 9,714,776 | 2.12% | 1.00% | 1.63% | 2.47% | 1.27% | 1.94% | 2.40% | 1.82% | 2.15% |
| 2037 | 4,483,058 | 3,578,458 | 8,061,516 | 5,024,351 | 3,927,847 | 8,952,198 | 5,560,002 | 4,254,196 | 9,814,198 | 0.47% | 4.79% | 2.34% | 0.86% | 1.76% | 1.25% | 0.85% | 1.25% | 1.02% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 7,741 | 54,325 | 62,066 | 8,052 | 54,965 | 63,017 | 8,363 | 55,614 | 63,977 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 7,765 | 55,066 | 62,831 | 8,131 | 55,663 | 63,794 | 8,502 | 56,264 | 64,766 | 0.31% | 1.36% | 1.23% | 0.98% | 1.27% | 1.23% | 1.66% | 1.17% | 1.23% |
| 2020 | 7,790 | 55,839 | 63,629 | 8,204 | 56,400 | 64,604 | 8,743 | 56,845 | 65,588 | 0.32% | 1.40% | 1.27% | 0.90% | 1.32% | 1.27% | 2.83% | 1.03% | 1.27% |
| 2021 | 7,821 | 56,943 | 64,763 | 8,469 | 57,287 | 65,756 | 8,931 | 57,826 | 66,757 | 0.40% | 1.98% | 1.78% | 3.23% | 1.57% | 1.78% | 2.15% | 1.73% | 1.78% |
| 2022 | 7,945 | 57,891 | 65,836 | 8,552 | 58,294 | 66,845 | 9,051 | 58,812 | 67,863 | 1.59% | 1.67% | 1.66% | 0.98% | 1.76% | 1.66% | 1.34% | 1.71% | 1.66% |
| 2023 | 8,099 | 58,574 | 66,673 | 8,632 | 59,063 | 67,695 | 9,173 | 59,553 | 68,726 | 1.94% | 1.18% | 1.27% | 0.94% | 1.32% | 1.27% | 1.35% | 1.26% | 1.27% |
| 2024 | 8,147 | 59,418 | 67,565 | 8,725 | 59,876 | 68,601 | 9,296 | 60,349 | 69,645 | 0.59% | 1.44% | 1.34% | 1.07% | 1.38% | 1.34% | 1.34% | 1.34% | 1.34% |
| 2025 | 8,216 | 60,242 | 68,458 | 8,818 | 60,689 | 69,508 | 9,828 | 60,738 | 70,566 | 0.85% | 1.39% | 1.32% | 1.07% | 1.36% | 1.32% | 5.72% | 0.64% | 1.32% |
| 2026 | 8,290 | 61,406 | 69,696 | 8,985 | 61,779 | 70,764 | 9,953 | 61,888 | 71,842 | 0.90% | 1.93% | 1.81% | 1.89% | 1.80% | 1.81% | 1.27% | 1.89% | 1.81% |
| 2027 | 8,425 | 62,249 | 70,675 | 9,088 | 62,670 | 71,758 | 10,076 | 62,774 | 72,850 | 1.64% | 1.37% | 1.40% | 1.15% | 1.44% | 1.40% | 1.23% | 1.43% | 1.40% |
| 2028 | 8,496 | 63,142 | 71,638 | 9,185 | 63,551 | 72,736 | 10,202 | 63,641 | 73,843 | 0.84% | 1.43% | 1.36% | 1.07% | 1.41% | 1.36% | 1.25% | 1.38% | 1.36% |
| 2029 | 8,570 | 64,083 | 72,654 | 9,289 | 64,479 | 73,767 | 10,439 | 64,451 | 74,890 | 0.87% | 1.49% | 1.42% | 1.13% | 1.46% | 1.42% | 2.33% | 1.27% | 1.42% |
| 2030 | 8,653 | 65,743 | 74,396 | 9,735 | 65,801 | 75,536 | 10,569 | 66,117 | 76,686 | 0.96% | 2.59% | 2.40% | 4.81% | 2.05% | 2.40% | 1.24% | 2.58% | 2.40% |
| 2031 | 8,749 | 66,865 | 75,614 | 10,000 | 66,773 | 76,773 | 10,764 | 67,178 | 77,942 | 1.12% | 1.71% | 1.64% | 2.72% | 1.48% | 1.64% | 1.84% | 1.60% | 1.64% |
| 2032 | 8,899 | 67,934 | 76,833 | 10,108 | 67,902 | 78,010 | 10,894 | 68,304 | 79,198 | 1.71% | 1.60% | 1.61% | 1.08% | 1.69% | 1.61% | 1.21% | 1.68% | 1.61% |
| 2033 | 8,989 | 68,951 | 77,940 | 10,220 | 68,914 | 79,134 | 11,027 | 69,312 | 80,339 | 1.01% | 1.50% | 1.44% | 1.10% | 1.49% | 1.44% | 1.22% | 1.48% | 1.44% |
| 2034 | 9,176 | 69,869 | 79,044 | 10,328 | 69,928 | 80,256 | 11,176 | 70,302 | 81,478 | 2.07% | 1.33% | 1.42% | 1.06% | 1.47% | 1.42% | 1.35% | 1.43% | 1.42% |
| 2035 | 9,263 | 70,935 | 80,198 | 10,443 | 70,985 | 81,427 | 11,306 | 71,361 | 82,667 | 0.95% | 1.53% | 1.46% | 1.11% | 1.51% | 1.46% | 1.16% | 1.51% | 1.46% |
| 2036 | 9,356 | 72,130 | 81,486 | 10,576 | 72,159 | 82,735 | 11,511 | 72,483 | 83,995 | 1.00% | 1.69% | 1.61% | 1.27% | 1.66% | 1.61% | 1.82% | 1.57% | 1.61% |
| 2037 | 9,804 | 73,028 | 82,832 | 10,761 | 73,340 | 84,101 | 11,655 | 73,727 | 85,382 | 4.79% | 1.24% | 1.65% | 1.76% | 1.64% | 1.65% | 1.25% | 1.72% | 1.65% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,360,051 | 5,089,983 | 6,450,034 | 1,438,614 | 5,270,440 | 6,709,053 | 1,516,450 | 5,451,685 | 6,968,135 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,360,159 | 5,100,914 | 6,461,073 | 1,465,361 | 5,320,447 | 6,785,808 | 1,570,718 | 5,540,356 | 7,111,074 | 0.01% | 0.21% | 0.17% | 1.86% | 0.95% | 1.14% | 3.58% | 1.63% | 2.05% |
| 2020 | 1,371,935 | 5,140,190 | 6,512,125 | 1,499,595 | 5,391,637 | 6,891,232 | 1,626,829 | 5,663,253 | 7,290,082 | 0.87% | 0.77% | 0.79% | 2.34% | 1.34% | 1.55% | 3.57% | 2.22% | 2.52% |
| 2021 | 1,376,049 | 5,180,318 | 6,556,367 | 1,521,285 | 5,506,933 | 7,028,218 | 1,666,860 | 5,786,083 | 7,452,943 | 0.30% | 0.78% | 0.68% | 1.45% | 2.14% | 1.99% | 2.46% | 2.17% | 2.23% |
| 2022 | 1,387,874 | 5,267,023 | 6,654,897 | 1,549,474 | 5,571,512 | 7,120,986 | 1,711,077 | 5,875,214 | 7,586,291 | 0.86% | 1.67% | 1.50% | 1.85% | 1.17% | 1.32% | 2.65% | 1.54% | 1.79% |
| 2023 | 1,402,536 | 5,304,432 | 6,706,968 | 1,578,473 | 5,629,433 | 7,207,906 | 1,754,928 | 5,955,878 | 7,710,806 | 1.06% | 0.71% | 0.78% | 1.87% | 1.04% | 1.22% | 2.56% | 1.37% | 1.64% |
| 2024 | 1,424,866 | 5,363,421 | 6,788,287 | 1,615,216 | 5,714,004 | 7,329,220 | 1,806,126 | 6,062,030 | 7,868,156 | 1.59% | 1.11% | 1.21% | 2.33% | 1.50% | 1.68% | 2.92% | 1.78% | 2.04% |
| 2025 | 1,436,413 | 5,387,269 | 6,823,682 | 1,638,989 | 5,752,055 | 7,391,044 | 1,841,431 | 6,265,749 | 8,107,181 | 0.81% | 0.44% | 0.52% | 1.47% | 0.67% | 0.84% | 1.95% | 3.36% | 3.04% |
| 2026 | 1,454,869 | 5,446,071 | 6,900,940 | 1,669,393 | 5,860,369 | 7,529,762 | 1,884,168 | 6,346,460 | 8,230,628 | 1.28% | 1.09% | 1.13% | 1.86% | 1.88% | 1.88% | 2.32% | 1.29% | 1.52% |
| 2027 | 1,474,434 | 5,525,240 | 6,999,675 | 1,700,239 | 5,927,085 | 7,627,324 | 1,925,975 | 6,429,550 | 8,355,525 | 1.34% | 1.45% | 1.43% | 1.85% | 1.14% | 1.30% | 2.22% | 1.31% | 1.52% |
| 2028 | 1,500,321 | 5,590,891 | 7,091,212 | 1,737,821 | 6,013,196 | 7,751,018 | 1,974,881 | 6,532,981 | 8,507,863 | 1.76% | 1.19% | 1.31% | 2.21% | 1.45% | 1.62% | 2.54% | 1.61% | 1.82% |
| 2029 | 1,516,727 | 5,627,983 | 7,144,710 | 1,763,585 | 6,062,476 | 7,826,061 | 2,010,527 | 6,615,264 | 8,625,791 | 1.09% | 0.66% | 0.75% | 1.48% | 0.82% | 0.97% | 1.80% | 1.26% | 1.39% |
| 2030 | 1,539,142 | 5,683,304 | 7,222,447 | 1,795,798 | 6,250,149 | 8,045,948 | 2,052,826 | 6,700,187 | 8,753,012 | 1.48% | 0.98% | 1.09% | 1.83% | 3.10% | 2.81% | 2.10% | 1.28% | 1.47% |
| 2031 | 1,562,001 | 5,793,123 | 7,355,124 | 1,828,563 | 6,387,674 | 8,216,237 | 2,095,129 | 6,852,305 | 8,947,434 | 1.49% | 1.93% | 1.84% | 1.82% | 2.20% | 2.12% | 2.06% | 2.27% | 2.22% |
| 2032 | 1,592,479 | 5,918,444 | 7,510,924 | 1,869,636 | 6,500,492 | 8,370,127 | 2,146,392 | 6,982,552 | 9,128,944 | 1.95% | 2.16% | 2.12% | 2.25% | 1.77% | 1.87% | 2.45% | 1.90% | 2.03% |
| 2033 | 1,609,983 | 5,956,558 | 7,566,540 | 1,894,775 | 6,549,277 | 8,444,051 | 2,179,569 | 7,041,697 | 9,221,266 | 1.10% | 0.64% | 0.74% | 1.34% | 0.75% | 0.88% | 1.55% | 0.85% | 1.01% |
| 2034 | 1,635,999 | 6,019,645 | 7,655,643 | 1,928,556 | 6,627,106 | 8,555,662 | 2,221,713 | 7,151,159 | 9,372,872 | 1.62% | 1.06% | 1.18% | 1.78% | 1.19% | 1.32% | 1.93% | 1.55% | 1.64% |
| 2035 | 1,662,434 | 6,088,222 | 7,750,657 | 1,963,730 | 6,709,035 | 8,672,765 | 2,265,211 | 7,245,260 | 9,510,471 | 1.62% | 1.14% | 1.24% | 1.82% | 1.24% | 1.37% | 1.96% | 1.32% | 1.47% |
| 2036 | 1,696,085 | 6,180,978 | 7,877,063 | 2,007,092 | 6,834,290 | 8,841,381 | 2,318,123 | 7,396,652 | 9,714,776 | 2.02% | 1.52% | 1.63% | 2.21% | 1.87% | 1.94% | 2.34% | 2.09% | 2.15% |
| 2037 | 1,716,400 | 6,345,116 | 8,061,516 | 2,033,542 | 6,918,656 | 8,952,198 | 2,351,092 | 7,463,107 | 9,814,198 | 1.20% | 2.66% | 2.34% | 1.32% | 1.23% | 1.25% | 1.42% | 0.90% | 1.02% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,675 | 1,187 | 3,862 | 2,832 | 1,228 | 4,060 | 2,988 | 1,270 | 4,258 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,676 | 1,190 | 3,866 | 2,885 | 1,243 | 4,128 | 3,095 | 1,296 | 4,391 | 0.02% | 0.27% | 0.10% | 1.88% | 1.19% | 1.67% | 3.57% | 2.03% | 3.11% |
| 2020 | 2,688 | 1,196 | 3,884 | 2,940 | 1,257 | 4,197 | 3,192 | 1,322 | 4,514 | 0.46% | 0.50% | 0.47% | 1.89% | 1.15% | 1.67% | 3.15% | 2.00% | 2.81% |
| 2021 | 2,708 | 1,203 | 3,911 | 2,995 | 1,276 | 4,272 | 3,284 | 1,346 | 4,630 | 0.73% | 0.60% | 0.69% | 1.89% | 1.50% | 1.77% | 2.88% | 1.84% | 2.58% |
| 2022 | 2,732 | 1,214 | 3,946 | 3,052 | 1,292 | 4,344 | 3,372 | 1,369 | 4,742 | 0.89% | 0.88% | 0.89% | 1.89% | 1.24% | 1.70% | 2.69% | 1.70% | 2.40% |
| 2023 | 2,761 | 1,225 | 3,986 | 3,109 | 1,309 | 4,418 | 3,459 | 1,393 | 4,851 | 1.06% | 0.96% | 1.03% | 1.88% | 1.28% | 1.71% | 2.55% | 1.70% | 2.31% |
| 2024 | 2,793 | 1,236 | 4,029 | 3,168 | 1,326 | 4,494 | 3,544 | 1,416 | 4,959 | 1.14% | 0.87% | 1.06% | 1.87% | 1.35% | 1.72% | 2.46% | 1.68% | 2.23% |
| 2025 | 2,827 | 1,249 | 4,076 | 3,228 | 1,344 | 4,572 | 3,628 | 1,442 | 5,070 | 1.23% | 1.06% | 1.18% | 1.90% | 1.34% | 1.73% | 2.38% | 1.85% | 2.23% |
| 2026 | 2,863 | 1,262 | 4,125 | 3,288 | 1,364 | 4,652 | 3,712 | 1,466 | 5,178 | 1.29% | 1.03% | 1.21% | 1.86% | 1.46% | 1.74% | 2.31% | 1.64% | 2.12% |
| 2027 | 2,902 | 1,278 | 4,180 | 3,349 | 1,383 | 4,732 | 3,795 | 1,490 | 5,285 | 1.35% | 1.26% | 1.33% | 1.86% | 1.44% | 1.73% | 2.24% | 1.64% | 2.07% |
| 2028 | 2,943 | 1,292 | 4,235 | 3,411 | 1,403 | 4,814 | 3,878 | 1,514 | 5,392 | 1.40% | 1.10% | 1.31% | 1.85% | 1.41% | 1.72% | 2.19% | 1.63% | 2.03% |
| 2029 | 2,986 | 1,308 | 4,293 | 3,474 | 1,423 | 4,897 | 3,961 | 1,541 | 5,502 | 1.46% | 1.21% | 1.39% | 1.84% | 1.44% | 1.72% | 2.16% | 1.76% | 2.04% |
| 2030 | 3,030 | 1,324 | 4,354 | 3,537 | 1,445 | 4,983 | 4,045 | 1,566 | 5,610 | 1.48% | 1.26% | 1.41% | 1.83% | 1.56% | 1.75% | 2.10% | 1.62% | 1.97% |
| 2031 | 3,075 | 1,341 | 4,417 | 3,602 | 1,468 | 5,070 | 4,129 | 1,592 | 5,721 | 1.50% | 1.31% | 1.44% | 1.83% | 1.59% | 1.76% | 2.08% | 1.69% | 1.97% |
| 2032 | 3,123 | 1,360 | 4,482 | 3,668 | 1,490 | 5,157 | 4,212 | 1,618 | 5,830 | 1.54% | 1.37% | 1.49% | 1.82% | 1.48% | 1.72% | 2.02% | 1.63% | 1.91% |
| 2033 | 3,172 | 1,379 | 4,550 | 3,734 | 1,512 | 5,246 | 4,296 | 1,644 | 5,940 | 1.57% | 1.39% | 1.51% | 1.80% | 1.50% | 1.71% | 2.00% | 1.61% | 1.89% |
| 2034 | 3,223 | 1,398 | 4,620 | 3,800 | 1,535 | 5,335 | 4,380 | 1,672 | 6,052 | 1.61% | 1.39% | 1.54% | 1.79% | 1.50% | 1.71% | 1.95% | 1.69% | 1.88% |
| 2035 | 3,274 | 1,417 | 4,691 | 3,869 | 1,558 | 5,427 | 4,464 | 1,699 | 6,163 | 1.59% | 1.40% | 1.53% | 1.79% | 1.51% | 1.71% | 1.93% | 1.59% | 1.83% |
| 2036 | 3,326 | 1,437 | 4,763 | 3,937 | 1,583 | 5,520 | 4,549 | 1,727 | 6,276 | 1.60% | 1.39% | 1.54% | 1.77% | 1.58% | 1.72% | 1.90% | 1.66% | 1.83% |
| 2037 | 3,380 | 1,459 | 4,839 | 4,006 | 1,608 | 5,614 | 4,633 | 1,755 | 6,388 | 1.62% | 1.57% | 1.60% | 1.76% | 1.57% | 1.70% | 1.86% | 1.61% | 1.79% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.01% |
| Medium: | 38.26% |
| Low: | 25.31% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

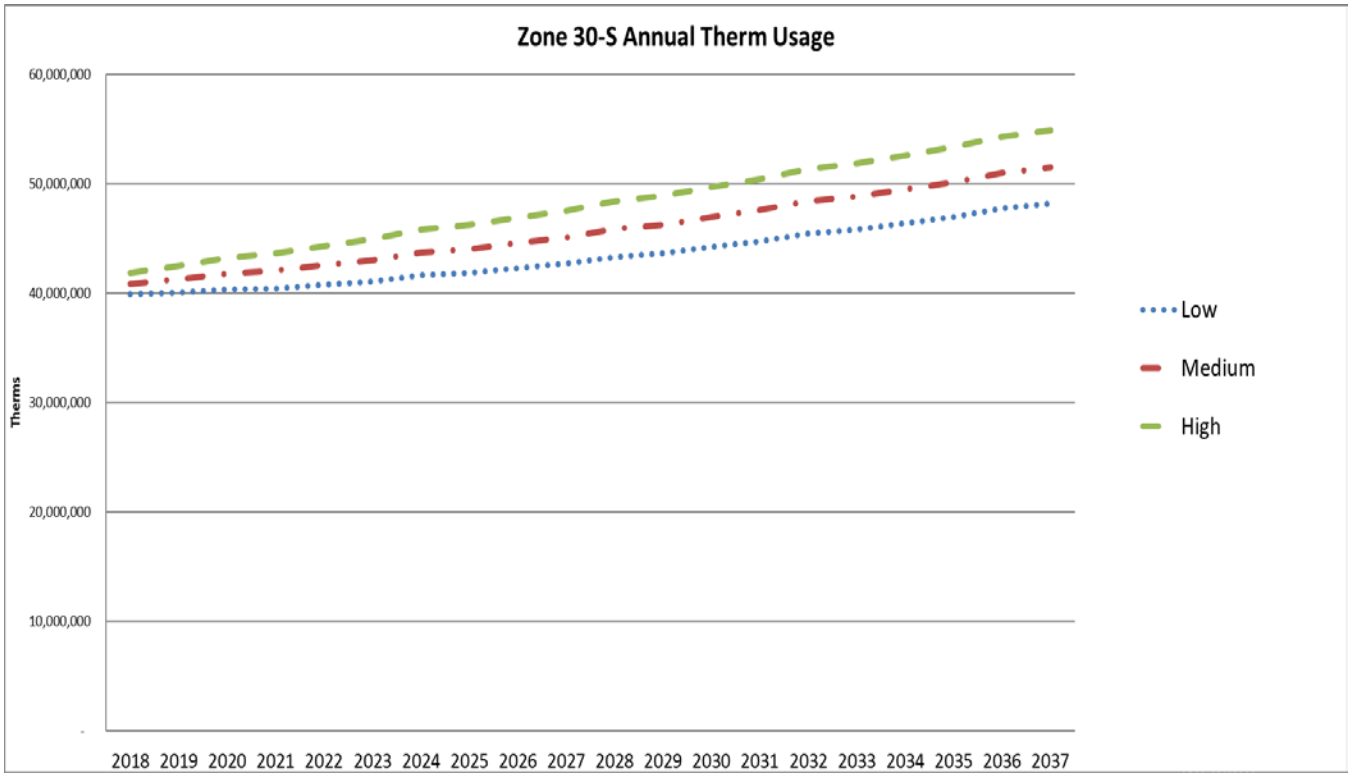
## Zone 30-S

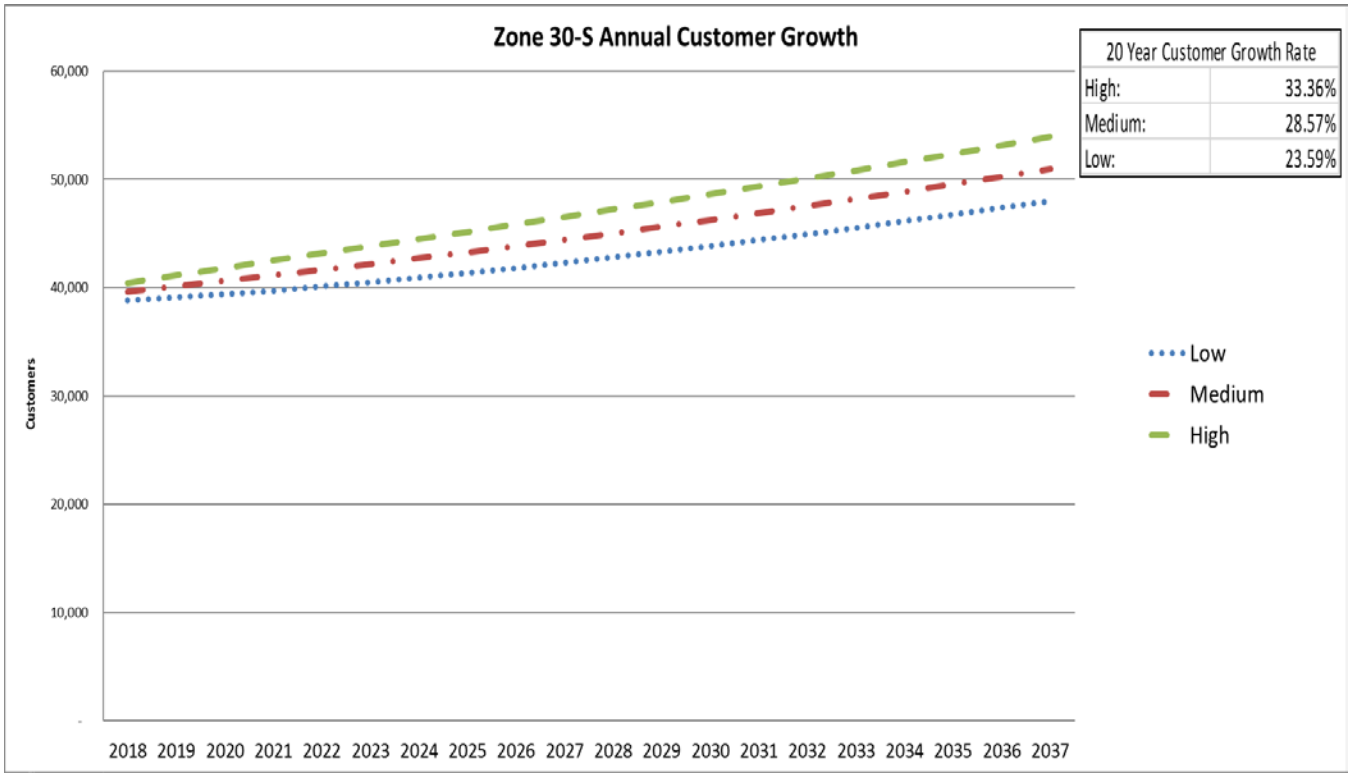
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 25,792,279 | 14,128,411 | 39,920,690 | 26,378,499 | 14,504,998 | 40,883,497 | 26,944,279 | 14,901,567 | 41,845,847 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 25,917,675 | 14,161,671 | 40,079,345 | 26,661,481 | 14,641,163 | 41,302,645 | 27,413,638 | 15,118,502 | 42,532,140 | 0.49% | 0.24% | 0.40% | 1.07% | 0.94% | 1.03% | 1.74% | 1.46% | 1.64% |
| 2020 | 26,217,093 | 14,129,442 | 40,346,534 | 27,113,858 | 14,675,945 | 41,789,803 | 28,009,663 | 15,221,823 | 43,231,486 | 1.16% | -0.23% | 0.67% | 1.70% | 0.24% | 1.18% | 2.17% | 0.68% | 1.64% |
| 2021 | 26,252,365 | 14,197,690 | 40,450,055 | 27,267,044 | 14,821,831 | 42,088,875 | 28,273,895 | 15,428,152 | 43,702,047 | 0.13% | 0.48% | 0.26% | 0.56% | 0.99% | 0.72% | 0.94% | 1.36% | 1.09% |
| 2022 | 26,468,482 | 14,297,345 | 40,765,826 | 27,589,808 | 14,973,390 | 42,563,199 | 28,701,670 | 15,633,306 | 44,334,976 | 0.82% | 0.70% | 0.78% | 1.18% | 1.02% | 1.13% | 1.51% | 1.33% | 1.45% |
| 2023 | 26,707,662 | 14,405,019 | 41,112,681 | 27,922,751 | 15,132,141 | 43,054,892 | 29,134,054 | 15,836,954 | 44,971,008 | 0.90% | 0.75% | 0.85% | 1.21% | 1.06% | 1.16% | 1.51% | 1.30% | 1.43% |
| 2024 | 27,127,307 | 14,521,695 | 41,649,002 | 28,444,710 | 15,273,804 | 43,718,514 | 29,751,429 | 16,044,002 | 45,795,432 | 1.57% | 0.81% | 1.30% | 1.87% | 0.94% | 1.54% | 2.12% | 1.31% | 1.83% |
| 2025 | 27,229,859 | 14,625,761 | 41,855,619 | 28,617,984 | 15,438,777 | 44,056,761 | 30,007,773 | 16,251,976 | 46,259,750 | 0.38% | 0.72% | 0.50% | 0.61% | 1.08% | 0.77% | 0.86% | 1.30% | 1.01% |
| 2026 | 27,514,603 | 14,756,033 | 42,270,636 | 28,979,120 | 15,612,469 | 44,591,589 | 30,449,669 | 16,463,717 | 46,913,386 | 1.05% | 0.89% | 0.99% | 1.26% | 1.13% | 1.21% | 1.47% | 1.30% | 1.41% |
| 2027 | 27,812,202 | 14,895,919 | 42,708,121 | 29,353,755 | 15,785,828 | 45,139,583 | 30,895,397 | 16,678,074 | 47,573,471 | 1.08% | 0.95% | 1.03% | 1.29% | 1.11% | 1.23% | 1.46% | 1.30% | 1.41% |
| 2028 | 28,288,558 | 15,039,421 | 43,327,980 | 29,911,888 | 15,966,561 | 45,878,449 | 31,531,674 | 16,895,046 | 48,426,720 | 1.71% | 0.96% | 1.45% | 1.90% | 1.14% | 1.64% | 2.06% | 1.30% | 1.79% |
| 2029 | 28,444,738 | 15,192,537 | 43,637,275 | 30,127,621 | 16,152,343 | 46,279,964 | 31,807,262 | 17,115,001 | 48,922,263 | 0.55% | 1.02% | 0.71% | 0.72% | 1.16% | 0.88% | 0.87% | 1.30% | 1.02% |
| 2030 | 28,789,909 | 15,456,242 | 44,246,151 | 30,536,186 | 16,449,855 | 46,986,041 | 32,278,427 | 17,447,137 | 49,725,565 | 1.21% | 1.74% | 1.40% | 1.36% | 1.84% | 1.53% | 1.48% | 1.94% | 1.64% |
| 2031 | 29,146,262 | 15,620,349 | 44,766,611 | 30,955,734 | 16,645,712 | 47,601,446 | 32,761,748 | 17,674,562 | 50,436,310 | 1.24% | 1.06% | 1.18% | 1.37% | 1.19% | 1.31% | 1.50% | 1.30% | 1.43% |
| 2032 | 29,685,724 | 15,788,343 | 45,474,067 | 31,565,315 | 16,846,435 | 48,411,750 | 33,444,701 | 17,906,486 | 51,351,187 | 1.85% | 1.08% | 1.58% | 1.97% | 1.21% | 1.70% | 2.08% | 1.31% | 1.81% |
| 2033 | 29,874,264 | 15,961,925 | 45,836,189 | 31,798,908 | 17,053,005 | 48,851,912 | 33,726,304 | 18,140,058 | 51,866,363 | 0.64% | 1.10% | 0.80% | 0.74% | 1.23% | 0.91% | 0.84% | 1.30% | 1.00% |
| 2034 | 30,252,464 | 16,144,215 | 46,396,678 | 32,235,790 | 17,262,114 | 49,497,904 | 34,220,459 | 18,378,302 | 52,598,761 | 1.27% | 1.14% | 1.22% | 1.37% | 1.23% | 1.32% | 1.47% | 1.31% | 1.41% |
| 2035 | 30,648,591 | 16,328,421 | 46,977,012 | 32,688,255 | 17,474,733 | 50,162,988 | 34,723,612 | 18,623,026 | 53,346,638 | 1.31% | 1.14% | 1.25% | 1.40% | 1.23% | 1.34% | 1.47% | 1.33% | 1.42% |
| 2036 | 31,239,549 | 16,519,830 | 47,759,379 | 33,344,573 | 17,694,371 | 51,038,944 | 35,448,900 | 18,868,923 | 54,317,823 | 1.93% | 1.17% | 1.67% | 2.01% | 1.26% | 1.75% | 2.09% | 1.32% | 1.82% |
| 2037 | 31,461,987 | 16,718,148 | 48,180,136 | 33,606,463 | 17,919,057 | 51,525,520 | 35,750,964 | 19,119,147 | 54,870,111 | 0.71% | 1.20% | 0.88% | 0.79% | 1.27% | 0.95% | 0.85% | 1.33% | 1.02% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 38,708 | 340,870 | 379,578 | 39,740 | 345,656 | 385,396 | 40,826 | 350,438 | 391,264 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 38,799 | 344,991 | 383,790 | 40,113 | 349,559 | 389,672 | 41,421 | 354,185 | 395,606 | 0.24% | 1.21% | 1.11% | 0.94% | 1.13% | 1.11% | 1.46% | 1.07% | 1.11% |
| 2020 | 38,711 | 348,853 | 387,564 | 40,208 | 353,296 | 393,504 | 41,704 | 357,792 | 399,495 | -0.23% | 1.12% | 0.98% | 0.24% | 1.07% | 0.98% | 0.68% | 1.02% | 0.98% |
| 2021 | 38,898 | 353,182 | 392,080 | 40,608 | 357,481 | 398,089 | 42,269 | 361,881 | 404,150 | 0.48% | 1.24% | 1.17% | 0.99% | 1.18% | 1.17% | 1.36% | 1.14% | 1.17% |
| 2022 | 39,171 | 357,557 | 396,727 | 41,023 | 361,785 | 402,808 | 42,831 | 366,110 | 408,941 | 0.70% | 1.24% | 1.19% | 1.02% | 1.20% | 1.19% | 1.33% | 1.17% | 1.19% |
| 2023 | 39,466 | 362,062 | 401,528 | 41,458 | 366,224 | 407,682 | 43,389 | 370,501 | 413,890 | 0.75% | 1.26% | 1.21% | 1.06% | 1.23% | 1.21% | 1.30% | 1.20% | 1.21% |
| 2024 | 39,785 | 366,507 | 406,293 | 41,846 | 370,674 | 412,520 | 43,956 | 374,845 | 418,801 | 0.81% | 1.23% | 1.19% | 0.94% | 1.22% | 1.19% | 1.31% | 1.17% | 1.19% |
| 2025 | 40,071 | 371,294 | 411,364 | 42,298 | 375,371 | 417,669 | 44,526 | 379,503 | 424,029 | 0.72% | 1.31% | 1.25% | 1.08% | 1.27% | 1.25% | 1.30% | 1.24% | 1.25% |
| 2026 | 40,427 | 376,113 | 416,540 | 42,774 | 380,151 | 422,924 | 45,106 | 384,258 | 429,364 | 0.89% | 1.30% | 1.26% | 1.13% | 1.27% | 1.26% | 1.30% | 1.25% | 1.26% |
| 2027 | 40,811 | 381,072 | 421,883 | 43,249 | 385,100 | 428,349 | 45,693 | 389,178 | 434,871 | 0.95% | 1.32% | 1.28% | 1.11% | 1.30% | 1.28% | 1.30% | 1.28% | 1.28% |
| 2028 | 41,204 | 386,207 | 427,411 | 43,744 | 390,217 | 433,961 | 46,288 | 394,281 | 440,569 | 0.96% | 1.35% | 1.31% | 1.14% | 1.33% | 1.31% | 1.30% | 1.31% | 1.31% |
| 2029 | 41,623 | 391,393 | 433,017 | 44,253 | 395,400 | 439,653 | 46,890 | 399,457 | 446,348 | 1.02% | 1.34% | 1.31% | 1.16% | 1.33% | 1.31% | 1.30% | 1.31% | 1.31% |
| 2030 | 42,346 | 396,470 | 438,815 | 45,068 | 400,473 | 445,541 | 47,800 | 404,525 | 452,325 | 1.74% | 1.30% | 1.34% | 1.84% | 1.28% | 1.34% | 1.94% | 1.27% | 1.34% |
| 2031 | 42,795 | 401,910 | 444,706 | 45,605 | 405,917 | 451,521 | 48,423 | 409,973 | 458,397 | 1.06% | 1.37% | 1.34% | 1.19% | 1.36% | 1.34% | 1.30% | 1.35% | 1.34% |
| 2032 | 43,256 | 407,472 | 450,728 | 46,155 | 411,481 | 457,636 | 49,059 | 415,546 | 464,604 | 1.08% | 1.38% | 1.35% | 1.21% | 1.37% | 1.35% | 1.31% | 1.36% | 1.35% |
| 2033 | 43,731 | 413,795 | 457,526 | 46,721 | 417,817 | 464,538 | 49,699 | 421,913 | 471,612 | 1.10% | 1.55% | 1.51% | 1.23% | 1.54% | 1.51% | 1.30% | 1.53% | 1.51% |
| 2034 | 44,231 | 419,589 | 463,820 | 47,293 | 423,635 | 470,928 | 50,352 | 427,748 | 478,099 | 1.14% | 1.40% | 1.38% | 1.23% | 1.39% | 1.38% | 1.31% | 1.38% | 1.38% |
| 2035 | 44,735 | 425,563 | 470,298 | 47,876 | 429,630 | 477,506 | 51,022 | 433,755 | 484,777 | 1.14% | 1.42% | 1.40% | 1.23% | 1.42% | 1.40% | 1.33% | 1.40% | 1.40% |
| 2036 | 45,260 | 431,637 | 476,897 | 48,478 | 435,728 | 484,206 | 51,696 | 439,883 | 491,579 | 1.17% | 1.43% | 1.40% | 1.26% | 1.42% | 1.40% | 1.32% | 1.41% | 1.40% |
| 2037 | 45,803 | 437,783 | 483,586 | 49,093 | 441,904 | 490,998 | 52,381 | 446,093 | 498,474 | 1.20% | 1.42% | 1.40% | 1.27% | 1.42% | 1.40% | 1.33% | 1.41% | 1.40% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 23,628,094 | 16,292,596 | 39,920,690 | 24,080,399 | 16,803,098 | 40,883,497 | 24,532,547 | 17,313,300 | 41,845,847 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 23,786,643 | 16,292,702 | 40,079,345 | 24,378,230 | 16,924,415 | 41,302,645 | 24,969,913 | 17,562,227 | 42,532,140 | 0.67% | 0.00% | 0.40% | 1.24% | 0.72% | 1.03% | 1.78% | 1.44% | 1.64% |
| 2020 | 24,078,493 | 16,268,041 | 40,346,534 | 24,785,128 | 17,004,675 | 41,789,803 | 25,492,480 | 17,739,006 | 43,231,486 | 1.23% | -0.15% | 0.67% | 1.67% | 0.47% | 1.18% | 2.09% | 1.01% | 1.64% |
| 2021 | 24,193,770 | 16,256,285 | 40,450,055 | 24,994,903 | 17,093,972 | 42,088,875 | 25,795,689 | 17,906,358 | 43,702,047 | 0.48% | -0.07% | 0.26% | 0.85% | 0.53% | 0.72% | 1.19% | 0.94% | 1.09% |
| 2022 | 24,424,957 | 16,340,869 | 40,765,826 | 25,311,936 | 17,251,263 | 42,563,199 | 26,199,321 | 18,135,655 | 44,334,976 | 0.96% | 0.52% | 0.78% | 1.27% | 0.92% | 1.13% | 1.56% | 1.28% | 1.45% |
| 2023 | 24,672,072 | 16,440,609 | 41,112,681 | 25,638,137 | 17,416,754 | 43,054,892 | 26,603,871 | 18,367,137 | 44,971,008 | 1.01% | 0.61% | 0.85% | 1.29% | 0.96% | 1.16% | 1.54% | 1.28% | 1.43% |
| 2024 | 25,037,694 | 16,611,309 | 41,649,002 | 26,080,475 | 17,638,039 | 43,718,514 | 27,123,215 | 18,672,216 | 45,795,432 | 1.48% | 1.04% | 1.30% | 1.73% | 1.27% | 1.54% | 1.95% | 1.66% | 1.83% |
| 2025 | 25,206,718 | 16,648,902 | 41,855,619 | 26,313,110 | 17,743,651 | 44,056,761 | 27,419,639 | 18,840,111 | 46,259,750 | 0.68% | 0.23% | 0.50% | 0.89% | 0.60% | 0.77% | 1.09% | 0.90% | 1.01% |
| 2026 | 25,490,418 | 16,780,217 | 42,270,636 | 26,660,741 | 17,930,848 | 44,591,589 | 27,831,286 | 19,082,100 | 46,913,386 | 1.13% | 0.79% | 0.99% | 1.32% | 1.06% | 1.21% | 1.50% | 1.28% | 1.41% |
| 2027 | 25,784,619 | 16,923,502 | 42,708,121 | 27,015,707 | 18,123,876 | 45,139,583 | 28,246,775 | 19,326,696 | 47,573,471 | 1.15% | 0.85% | 1.03% | 1.33% | 1.08% | 1.23% | 1.49% | 1.28% | 1.41% |
| 2028 | 26,193,983 | 17,133,996 | 43,327,980 | 27,487,967 | 18,390,482 | 45,878,449 | 28,781,915 | 19,644,805 | 48,426,720 | 1.59% | 1.24% | 1.45% | 1.75% | 1.47% | 1.64% | 1.89% | 1.65% | 1.79% |
| 2029 | 26,403,383 | 17,233,892 | 43,637,275 | 27,747,623 | 18,532,341 | 46,279,964 | 29,091,824 | 19,830,439 | 48,922,263 | 0.80% | 0.58% | 0.71% | 0.94% | 0.77% | 0.88% | 1.08% | 0.94% | 1.02% |
| 2030 | 26,727,173 | 17,518,978 | 44,246,151 | 28,124,415 | 18,861,626 | 46,986,041 | 29,521,674 | 20,203,891 | 49,725,565 | 1.23% | 1.65% | 1.40% | 1.36% | 1.78% | 1.53% | 1.48% | 1.88% | 1.64% |
| 2031 | 27,060,098 | 17,706,513 | 44,766,611 | 28,508,595 | 19,092,851 | 47,601,446 | 29,956,924 | 20,479,386 | 50,436,310 | 1.25% | 1.07% | 1.18% | 1.37% | 1.23% | 1.31% | 1.47% | 1.36% | 1.43% |
| 2032 | 27,515,719 | 17,958,348 | 45,474,067 | 29,019,706 | 19,392,044 | 48,411,750 | 30,523,593 | 20,827,595 | 51,351,187 | 1.68% | 1.42% | 1.58% | 1.79% | 1.57% | 1.70% | 1.89% | 1.70% | 1.81% |
| 2033 | 27,751,107 | 18,085,082 | 45,836,189 | 29,296,803 | 19,555,109 | 48,851,912 | 30,842,400 | 21,023,963 | 51,866,363 | 0.86% | 0.71% | 0.80% | 0.95% | 0.84% | 0.91% | 1.04% | 0.94% | 1.00% |
| 2034 | 28,110,477 | 18,286,201 | 46,396,678 | 29,702,419 | 19,795,485 | 49,497,904 | 31,294,085 | 21,304,676 | 52,598,761 | 1.29% | 1.11% | 1.22% | 1.38% | 1.23% | 1.32% | 1.46% | 1.34% | 1.41% |
| 2035 | 28,480,052 | 18,496,959 | 46,977,012 | 30,116,856 | 20,046,131 | 50,162,988 | 31,753,902 | 21,592,736 | 53,346,638 | 1.31% | 1.15% | 1.25% | 1.40% | 1.27% | 1.34% | 1.47% | 1.35% | 1.42% |
| 2036 | 28,975,367 | 18,784,011 | 47,759,379 | 30,663,135 | 20,375,809 | 51,038,944 | 32,351,080 | 21,966,743 | 54,317,823 | 1.74% | 1.55% | 1.67% | 1.81% | 1.64% | 1.75% | 1.88% | 1.73% | 1.82% |
| 2037 | 29,239,634 | 18,940,501 | 48,180,136 | 30,963,423 | 20,562,097 | 51,525,520 | 32,687,052 | 22,183,059 | 54,870,111 | 0.91% | 0.83% | 0.88% | 0.98% | 0.91% | 0.95% | 1.04% | 0.98% | 1.02% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 35,168 | 3,681 | 38,849 | 35,849 | 3,795 | 39,643 | 36,529 | 3,908 | 40,437 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 35,409 | 3,689 | 39,098 | 36,294 | 3,832 | 40,126 | 37,180 | 3,974 | 41,154 | 0.69% | 0.20% | 0.64% | 1.24% | 0.96% | 1.22% | 1.78% | 1.69% | 1.77% |
| 2020 | 35,699 | 3,702 | 39,401 | 36,750 | 3,870 | 40,620 | 37,803 | 4,037 | 41,839 | 0.82% | 0.37% | 0.78% | 1.26% | 0.99% | 1.23% | 1.68% | 1.57% | 1.66% |
| 2021 | 36,023 | 3,722 | 39,744 | 37,218 | 3,911 | 41,129 | 38,413 | 4,099 | 42,511 | 0.91% | 0.52% | 0.87% | 1.27% | 1.06% | 1.25% | 1.61% | 1.54% | 1.61% |
| 2022 | 36,373 | 3,746 | 40,119 | 37,695 | 3,954 | 41,649 | 39,018 | 4,160 | 43,179 | 0.97% | 0.65% | 0.94% | 1.28% | 1.10% | 1.26% | 1.58% | 1.51% | 1.57% |
| 2023 | 36,744 | 3,774 | 40,518 | 38,184 | 3,999 | 42,182 | 39,623 | 4,222 | 43,845 | 1.02% | 0.74% | 0.99% | 1.30% | 1.14% | 1.28% | 1.55% | 1.48% | 1.54% |
| 2024 | 37,135 | 3,804 | 40,939 | 38,683 | 4,044 | 42,727 | 40,230 | 4,285 | 44,515 | 1.06% | 0.81% | 1.04% | 1.31% | 1.14% | 1.29% | 1.53% | 1.49% | 1.53% |
| 2025 | 37,544 | 3,837 | 41,381 | 39,192 | 4,093 | 43,285 | 40,840 | 4,348 | 45,189 | 1.10% | 0.86% | 1.08% | 1.32% | 1.19% | 1.31% | 1.52% | 1.48% | 1.51% |
| 2026 | 37,970 | 3,873 | 41,843 | 39,713 | 4,143 | 43,856 | 41,456 | 4,413 | 45,869 | 1.13% | 0.94% | 1.12% | 1.33% | 1.23% | 1.32% | 1.51% | 1.49% | 1.51% |
| 2027 | 38,411 | 3,912 | 42,323 | 40,244 | 4,195 | 44,439 | 42,077 | 4,479 | 46,556 | 1.16% | 1.01% | 1.15% | 1.34% | 1.26% | 1.33% | 1.50% | 1.49% | 1.50% |
| 2028 | 38,867 | 3,953 | 42,821 | 40,786 | 4,249 | 45,036 | 42,705 | 4,545 | 47,250 | 1.19% | 1.05% | 1.18% | 1.35% | 1.29% | 1.34% | 1.49% | 1.49% | 1.49% |
| 2029 | 39,339 | 3,997 | 43,336 | 41,340 | 4,305 | 45,645 | 43,341 | 4,613 | 47,954 | 1.21% | 1.11% | 1.20% | 1.36% | 1.31% | 1.35% | 1.49% | 1.50% | 1.49% |
| 2030 | 39,824 | 4,044 | 43,868 | 41,904 | 4,364 | 46,267 | 43,984 | 4,683 | 48,667 | 1.23% | 1.18% | 1.23% | 1.36% | 1.36% | 1.36% | 1.48% | 1.52% | 1.49% |
| 2031 | 40,323 | 4,092 | 44,415 | 42,479 | 4,423 | 46,902 | 44,635 | 4,754 | 49,389 | 1.25% | 1.19% | 1.25% | 1.37% | 1.37% | 1.37% | 1.48% | 1.51% | 1.48% |
| 2032 | 40,835 | 4,143 | 44,978 | 43,065 | 4,485 | 47,549 | 45,294 | 4,827 | 50,121 | 1.27% | 1.23% | 1.27% | 1.38% | 1.39% | 1.38% | 1.48% | 1.52% | 1.48% |
| 2033 | 41,361 | 4,195 | 45,556 | 43,662 | 4,548 | 48,210 | 45,962 | 4,900 | 50,862 | 1.29% | 1.27% | 1.29% | 1.39% | 1.41% | 1.39% | 1.47% | 1.52% | 1.48% |
| 2034 | 41,899 | 4,250 | 46,149 | 44,269 | 4,613 | 48,882 | 46,638 | 4,976 | 51,613 | 1.30% | 1.30% | 1.30% | 1.39% | 1.42% | 1.39% | 1.47% | 1.53% | 1.48% |
| 2035 | 42,450 | 4,307 | 46,757 | 44,886 | 4,680 | 49,566 | 47,323 | 5,052 | 52,375 | 1.32% | 1.34% | 1.32% | 1.39% | 1.45% | 1.40% | 1.47% | 1.54% | 1.48% |
| 2036 | 43,013 | 4,365 | 47,378 | 45,514 | 4,748 | 50,262 | 48,016 | 5,130 | 53,146 | 1.33% | 1.37% | 1.33% | 1.40% | 1.46% | 1.41% | 1.47% | 1.55% | 1.47% |
| 2037 | 43,588 | 4,426 | 48,014 | 46,153 | 4,818 | 50,971 | 48,718 | 5,210 | 53,928 | 1.34% | 1.40% | 1.34% | 1.40% | 1.48% | 1.41% | 1.46% | 1.55% | 1.47% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 33.36% |
| Medium: | 28.57% |
| Low: | 23.59% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Zone 30-W

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 60,229,923 | 30,376,949 | 90,606,872 | 61,129,376 | 30,960,900 | 92,090,277 | 62,042,495 | 31,529,648 | 93,572,143 |
| 2019 | 60,778,124 | 30,673,177 | 91,451,301 | 61,988,858 | 31,411,128 | 93,399,986 | 63,192,788 | 32,147,896 | 95,340,684 |
| 2020 | 61,760,154 | 30,984,484 | 92,744,638 | 63,241,893 | 31,862,658 | 95,104,551 | 64,704,593 | 32,736,243 | 97,440,836 |
| 2021 | 62,055,119 | 31,323,887 | 93,379,006 | 63,737,666 | 32,322,974 | 96,060,640 | 65,401,516 | 33,472,000 | 98,873,516 |
| 2022 | 62,763,177 | 31,703,287 | 94,466,465 | 64,638,412 | 32,803,547 | 97,441,959 | 66,511,737 | 34,058,515 | 100,570,252 |
| 2023 | 63,506,527 | 32,078,505 | 95,585,031 | 65,567,583 | 33,297,997 | 98,865,581 | 67,612,559 | 34,657,121 | 102,269,680 |
| 2024 | 64,685,611 | 32,484,439 | 97,170,050 | 66,949,148 | 33,789,955 | 100,739,103 | 69,166,635 | 35,241,009 | 104,407,644 |
| 2025 | 65,126,921 | 32,904,516 | 98,031,437 | 67,500,104 | 34,457,405 | 101,957,509 | 69,893,127 | 35,858,484 | 105,751,611 |
| 2026 | 65,965,134 | 33,338,919 | 99,304,053 | 68,497,919 | 34,964,897 | 103,462,817 | 71,033,477 | 36,457,496 | 107,490,972 |
| 2027 | 66,833,199 | 33,801,647 | 100,634,845 | 69,513,908 | 35,512,652 | 105,026,559 | 72,191,949 | 37,086,808 | 109,278,757 |
| 2028 | 68,127,399 | 34,256,685 | 102,384,084 | 70,951,690 | 36,050,346 | 107,002,037 | 73,790,477 | 37,702,978 | 111,493,455 |
| 2029 | 68,648,134 | 34,756,914 | 103,405,048 | 71,593,495 | 36,619,054 | 108,212,549 | 74,539,701 | 38,348,872 | 112,888,574 |
| 2030 | 69,594,894 | 35,247,528 | 104,842,422 | 72,665,639 | 37,183,777 | 109,849,415 | 75,740,761 | 38,978,258 | 114,719,020 |
| 2031 | 70,482,994 | 35,905,112 | 106,388,105 | 73,759,707 | 37,773,846 | 111,533,554 | 76,951,629 | 39,646,982 | 116,598,611 |
| 2032 | 71,993,356 | 36,422,200 | 108,415,557 | 75,328,786 | 38,354,092 | 113,682,877 | 78,672,171 | 40,292,353 | 118,964,524 |
| 2033 | 72,573,549 | 36,969,772 | 109,543,321 | 75,993,494 | 38,976,744 | 114,970,238 | 79,413,115 | 41,117,416 | 120,530,530 |
| 2034 | 73,608,704 | 37,513,856 | 111,122,559 | 77,139,191 | 39,590,655 | 116,729,846 | 80,677,102 | 41,793,603 | 122,470,706 |
| 2035 | 74,686,334 | 38,087,336 | 112,773,669 | 78,334,755 | 40,214,213 | 118,548,967 | 81,969,563 | 42,487,287 | 124,456,850 |
| 2036 | 76,236,217 | 38,670,409 | 114,906,626 | 80,010,383 | 40,854,426 | 120,864,809 | 83,778,204 | 43,184,352 | 126,962,555 |
| 2037 | 76,911,770 | 39,244,831 | 116,156,601 | 80,730,594 | 41,497,780 | 122,228,374 | 84,540,363 | 43,893,452 | 128,433,815 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.91% | 0.98% | 0.93% | 1.41% | 1.45% | 1.42% | 1.85% | 1.96% | 1.89% |
| 2020 | 1.62% | 1.01% | 1.41% | 2.02% | 1.44% | 1.83% | 2.39% | 1.83% | 2.20% |
| 2021 | 0.48% | 1.10% | 0.68% | 0.78% | 1.44% | 1.01% | 1.08% | 2.25% | 1.47% |
| 2022 | 1.14% | 1.21% | 1.16% | 1.41% | 1.49% | 1.44% | 1.70% | 1.75% | 1.72% |
| 2023 | 1.18% | 1.18% | 1.18% | 1.44% | 1.51% | 1.46% | 1.66% | 1.76% | 1.69% |
| 2024 | 1.86% | 1.27% | 1.66% | 2.11% | 1.48% | 1.90% | 2.30% | 1.68% | 2.09% |
| 2025 | 0.68% | 1.29% | 0.89% | 0.82% | 1.98% | 1.21% | 1.05% | 1.75% | 1.29% |
| 2026 | 1.29% | 1.32% | 1.30% | 1.48% | 1.47% | 1.48% | 1.63% | 1.67% | 1.64% |
| 2027 | 1.32% | 1.39% | 1.34% | 1.48% | 1.57% | 1.51% | 1.63% | 1.73% | 1.66% |
| 2028 | 1.94% | 1.35% | 1.74% | 2.07% | 1.51% | 1.88% | 2.21% | 1.66% | 2.03% |
| 2029 | 0.76% | 1.46% | 1.00% | 0.90% | 1.58% | 1.13% | 1.02% | 1.71% | 1.25% |
| 2030 | 1.38% | 1.41% | 1.39% | 1.50% | 1.54% | 1.51% | 1.61% | 1.64% | 1.62% |
| 2031 | 1.28% | 1.87% | 1.47% | 1.51% | 1.59% | 1.53% | 1.60% | 1.72% | 1.64% |
| 2032 | 2.14% | 1.44% | 1.91% | 2.13% | 1.54% | 1.93% | 2.24% | 1.63% | 2.03% |
| 2033 | 0.81% | 1.50% | 1.04% | 0.88% | 1.62% | 1.13% | 0.94% | 2.05% | 1.32% |
| 2034 | 1.43% | 1.47% | 1.44% | 1.51% | 1.58% | 1.53% | 1.59% | 1.64% | 1.61% |
| 2035 | 1.46% | 1.53% | 1.49% | 1.55% | 1.58% | 1.56% | 1.60% | 1.66% | 1.62% |
| 2036 | 2.08% | 1.53% | 1.89% | 2.14% | 1.59% | 1.95% | 2.21% | 1.64% | 2.01% |
| 2037 | 0.89% | 1.49% | 1.09% | 0.90% | 1.57% | 1.13% | 0.91% | 1.64% | 1.16% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 83,225 | 812,757 | 895,982 | 84,824 | 824,890 | 909,714 | 86,383 | 837,184 | 923,566 |
| 2019 | 84,036 | 824,671 | 908,707 | 86,058 | 836,576 | 922,634 | 88,076 | 848,607 | 936,683 |
| 2020 | 84,889 | 836,789 | 921,678 | 87,295 | 848,509 | 935,804 | 89,688 | 860,365 | 950,053 |
| 2021 | 85,819 | 848,969 | 934,788 | 88,556 | 860,558 | 949,115 | 91,704 | 871,862 | 963,567 |
| 2022 | 86,858 | 861,475 | 948,333 | 89,873 | 872,995 | 962,867 | 93,311 | 884,218 | 977,529 |
| 2023 | 87,886 | 874,314 | 962,200 | 91,227 | 885,720 | 976,947 | 94,951 | 896,872 | 991,823 |
| 2024 | 88,998 | 887,259 | 976,258 | 92,575 | 898,645 | 991,220 | 96,551 | 909,763 | 1,006,313 |
| 2025 | 90,149 | 901,517 | 991,667 | 94,404 | 912,461 | 1,006,865 | 98,242 | 923,954 | 1,022,197 |
| 2026 | 91,340 | 914,980 | 1,006,320 | 95,794 | 925,948 | 1,021,743 | 99,884 | 937,417 | 1,037,301 |
| 2027 | 92,607 | 928,994 | 1,021,601 | 97,295 | 939,964 | 1,037,259 | 101,608 | 951,445 | 1,053,053 |
| 2028 | 93,854 | 943,043 | 1,036,897 | 98,768 | 954,021 | 1,052,789 | 103,296 | 965,524 | 1,068,819 |
| 2029 | 95,224 | 957,529 | 1,052,754 | 100,326 | 968,562 | 1,068,889 | 105,065 | 980,099 | 1,085,164 |
| 2030 | 96,569 | 972,194 | 1,068,762 | 101,873 | 983,269 | 1,085,143 | 106,790 | 994,876 | 1,101,666 |
| 2031 | 98,370 | 986,858 | 1,085,229 | 103,490 | 998,371 | 1,101,861 | 108,622 | 1,010,017 | 1,118,639 |
| 2032 | 99,787 | 1,001,956 | 1,101,743 | 105,080 | 1,013,549 | 1,118,629 | 110,390 | 1,025,272 | 1,135,662 |
| 2033 | 101,287 | 1,017,643 | 1,118,930 | 106,786 | 1,029,293 | 1,136,079 | 112,650 | 1,040,727 | 1,153,378 |
| 2034 | 102,778 | 1,033,475 | 1,136,253 | 108,468 | 1,045,200 | 1,153,667 | 114,503 | 1,056,731 | 1,171,234 |
| 2035 | 104,349 | 1,049,440 | 1,153,789 | 110,176 | 1,061,296 | 1,171,472 | 116,404 | 1,072,906 | 1,189,310 |
| 2036 | 105,946 | 1,065,830 | 1,171,776 | 111,930 | 1,077,805 | 1,189,735 | 118,313 | 1,089,538 | 1,207,851 |
| 2037 | 107,520 | 1,082,356 | 1,189,876 | 113,693 | 1,094,420 | 1,208,113 | 120,256 | 1,106,253 | 1,226,509 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 1.47% | 1.42% | 1.45% | 1.42% | 1.42% | 1.96% | 1.36% | 1.42% |
| 2020 | 1.01% | 1.47% | 1.43% | 1.44% | 1.43% | 1.43% | 1.83% | 1.39% | 1.43% |
| 2021 | 1.10% | 1.46% | 1.42% | 1.44% | 1.42% | 1.42% | 2.25% | 1.34% | 1.42% |
| 2022 | 1.21% | 1.47% | 1.45% | 1.49% | 1.45% | 1.45% | 1.75% | 1.42% | 1.45% |
| 2023 | 1.18% | 1.49% | 1.46% | 1.51% | 1.46% | 1.46% | 1.76% | 1.43% | 1.46% |
| 2024 | 1.27% | 1.48% | 1.46% | 1.48% | 1.46% | 1.46% | 1.68% | 1.44% | 1.46% |
| 2025 | 1.29% | 1.61% | 1.58% | 1.98% | 1.54% | 1.58% | 1.75% | 1.56% | 1.58% |
| 2026 | 1.32% | 1.49% | 1.48% | 1.47% | 1.48% | 1.48% | 1.67% | 1.46% | 1.48% |
| 2027 | 1.39% | 1.53% | 1.52% | 1.57% | 1.51% | 1.52% | 1.73% | 1.50% | 1.52% |
| 2028 | 1.35% | 1.51% | 1.50% | 1.51% | 1.50% | 1.50% | 1.66% | 1.48% | 1.50% |
| 2029 | 1.46% | 1.54% | 1.53% | 1.58% | 1.52% | 1.53% | 1.71% | 1.51% | 1.53% |
| 2030 | 1.41% | 1.53% | 1.52% | 1.54% | 1.52% | 1.52% | 1.64% | 1.51% | 1.52% |
| 2031 | 1.87% | 1.51% | 1.54% | 1.59% | 1.54% | 1.54% | 1.72% | 1.52% | 1.54% |
| 2032 | 1.44% | 1.53% | 1.52% | 1.54% | 1.52% | 1.52% | 1.63% | 1.51% | 1.52% |
| 2033 | 1.50% | 1.57% | 1.56% | 1.62% | 1.55% | 1.56% | 2.05% | 1.51% | 1.56% |
| 2034 | 1.47% | 1.56% | 1.55% | 1.58% | 1.55% | 1.55% | 1.64% | 1.54% | 1.55% |
| 2035 | 1.53% | 1.54% | 1.54% | 1.58% | 1.54% | 1.54% | 1.66% | 1.53% | 1.54% |
| 2036 | 1.53% | 1.56% | 1.56% | 1.59% | 1.56% | 1.56% | 1.64% | 1.55% | 1.56% |
| 2037 | 1.49% | 1.55% | 1.54% | 1.57% | 1.54% | 1.54% | 1.64% | 1.53% | 1.54% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 57,214,640 | 33,392,232 | 90,606,872 | 57,789,458 | 34,300,819 | 92,090,277 | 58,357,356 | 35,214,788 | 93,572,143 |
| 2019 | 57,771,076 | 33,680,225 | 91,451,301 | 58,521,722 | 34,878,264 | 93,399,986 | 59,274,507 | 36,066,177 | 95,340,684 |
| 2020 | 58,605,003 | 34,139,635 | 92,744,638 | 59,523,786 | 35,580,765 | 95,104,551 | 60,430,085 | 37,010,751 | 97,440,836 |
| 2021 | 59,002,151 | 34,376,855 | 93,379,006 | 60,047,618 | 36,013,022 | 96,060,640 | 61,085,462 | 37,788,054 | 98,873,516 |
| 2022 | 59,681,314 | 34,785,151 | 94,466,465 | 60,830,778 | 36,611,181 | 97,441,959 | 61,992,479 | 38,577,773 | 100,570,252 |
| 2023 | 60,383,265 | 35,201,766 | 95,585,031 | 61,650,208 | 37,215,372 | 98,865,581 | 62,913,470 | 39,356,210 | 102,269,680 |
| 2024 | 61,382,670 | 35,787,380 | 97,170,050 | 62,740,928 | 37,998,175 | 100,739,103 | 64,110,046 | 40,297,599 | 104,407,644 |
| 2025 | 61,884,059 | 36,147,378 | 98,031,437 | 63,339,596 | 38,617,913 | 101,957,509 | 64,796,037 | 40,955,574 | 105,751,611 |
| 2026 | 62,664,764 | 36,639,289 | 99,304,053 | 64,204,926 | 39,257,891 | 103,462,817 | 65,745,782 | 41,745,190 | 107,490,972 |
| 2027 | 63,478,663 | 37,156,182 | 100,634,845 | 65,100,032 | 39,926,528 | 105,026,559 | 66,721,968 | 42,556,789 | 109,278,757 |
| 2028 | 64,559,615 | 37,824,469 | 102,384,084 | 66,264,374 | 40,737,663 | 107,002,037 | 67,970,410 | 43,523,045 | 111,493,455 |
| 2029 | 65,163,619 | 38,241,430 | 103,405,048 | 66,936,963 | 41,275,587 | 108,212,549 | 68,708,559 | 44,180,015 | 112,888,574 |
| 2030 | 66,033,816 | 38,808,606 | 104,842,422 | 67,877,023 | 41,972,393 | 109,849,415 | 69,719,058 | 44,999,962 | 114,719,020 |
| 2031 | 66,937,183 | 39,450,922 | 106,388,105 | 68,847,080 | 42,686,473 | 111,533,554 | 70,757,130 | 45,841,481 | 116,598,611 |
| 2032 | 68,129,090 | 40,286,466 | 108,415,557 | 70,112,401 | 43,570,477 | 113,682,877 | 72,096,294 | 46,868,230 | 118,964,524 |
| 2033 | 68,786,683 | 40,756,638 | 109,543,321 | 70,825,460 | 44,144,778 | 114,970,238 | 72,865,481 | 47,665,049 | 120,530,530 |
| 2034 | 69,738,944 | 41,383,615 | 111,122,559 | 71,845,890 | 44,883,956 | 116,729,846 | 73,952,025 | 48,518,680 | 122,470,706 |
| 2035 | 70,728,303 | 42,045,366 | 112,773,669 | 72,889,940 | 45,659,027 | 118,548,967 | 75,049,680 | 49,407,170 | 124,456,850 |
| 2036 | 72,026,571 | 42,880,055 | 114,906,626 | 74,256,711 | 46,608,098 | 120,864,809 | 76,484,098 | 50,478,458 | 126,962,555 |
| 2037 | 72,776,197 | 43,380,405 | 116,156,601 | 75,020,712 | 47,207,662 | 122,228,374 | 77,267,626 | 51,166,189 | 128,433,815 |

Annual Change

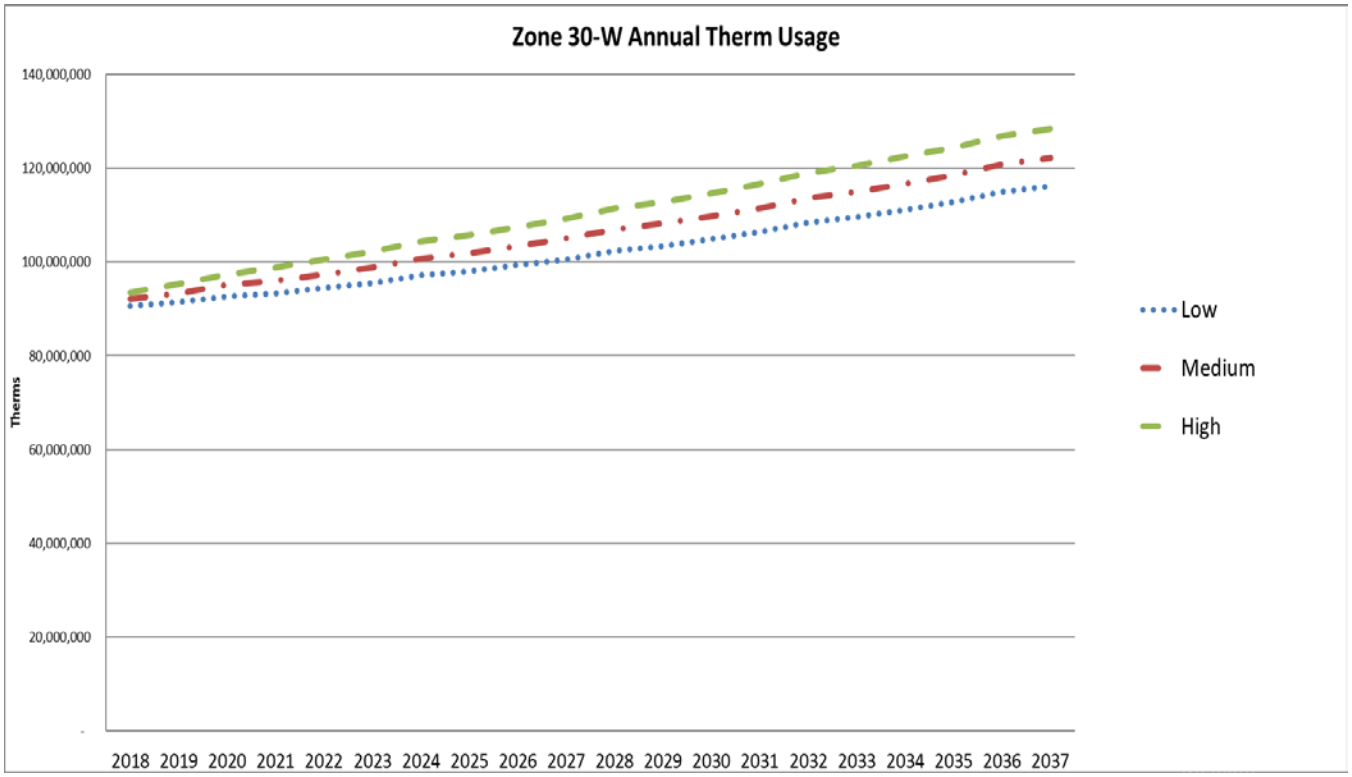
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.97% | 0.86% | 0.93% | 1.27% | 1.68% | 1.42% | 1.57% | 2.42% | 1.89% |
| 2020 | 1.44% | 1.36% | 1.41% | 1.71% | 2.01% | 1.83% | 1.95% | 2.62% | 2.20% |
| 2021 | 0.68% | 0.69% | 0.68% | 0.88% | 1.21% | 1.01% | 1.08% | 2.10% | 1.47% |
| 2022 | 1.15% | 1.19% | 1.16% | 1.30% | 1.66% | 1.44% | 1.48% | 2.09% | 1.72% |
| 2023 | 1.18% | 1.20% | 1.18% | 1.35% | 1.65% | 1.46% | 1.49% | 2.02% | 1.69% |
| 2024 | 1.66% | 1.66% | 1.66% | 1.77% | 2.10% | 1.90% | 1.90% | 2.39% | 2.09% |
| 2025 | 0.82% | 1.01% | 0.89% | 0.95% | 1.63% | 1.21% | 1.07% | 1.63% | 1.29% |
| 2026 | 1.26% | 1.36% | 1.30% | 1.37% | 1.66% | 1.48% | 1.47% | 1.93% | 1.64% |
| 2027 | 1.30% | 1.41% | 1.34% | 1.39% | 1.70% | 1.51% | 1.48% | 1.94% | 1.66% |
| 2028 | 1.70% | 1.80% | 1.74% | 1.79% | 2.03% | 1.88% | 1.87% | 2.27% | 2.03% |
| 2029 | 0.94% | 1.10% | 1.00% | 1.02% | 1.32% | 1.13% | 1.09% | 1.51% | 1.25% |
| 2030 | 1.34% | 1.48% | 1.39% | 1.40% | 1.69% | 1.51% | 1.47% | 1.86% | 1.62% |
| 2031 | 1.37% | 1.66% | 1.47% | 1.43% | 1.70% | 1.53% | 1.49% | 1.87% | 1.64% |
| 2032 | 1.78% | 2.12% | 1.91% | 1.84% | 2.07% | 1.93% | 1.89% | 2.24% | 2.03% |
| 2033 | 0.97% | 1.17% | 1.04% | 1.02% | 1.32% | 1.13% | 1.07% | 1.70% | 1.32% |
| 2034 | 1.38% | 1.54% | 1.44% | 1.44% | 1.67% | 1.53% | 1.49% | 1.79% | 1.61% |
| 2035 | 1.42% | 1.60% | 1.49% | 1.45% | 1.73% | 1.56% | 1.48% | 1.83% | 1.62% |
| 2036 | 1.84% | 1.99% | 1.89% | 1.88% | 2.08% | 1.95% | 1.91% | 2.17% | 2.01% |
| 2037 | 1.04% | 1.17% | 1.09% | 1.03% | 1.29% | 1.13% | 1.02% | 1.36% | 1.16% |

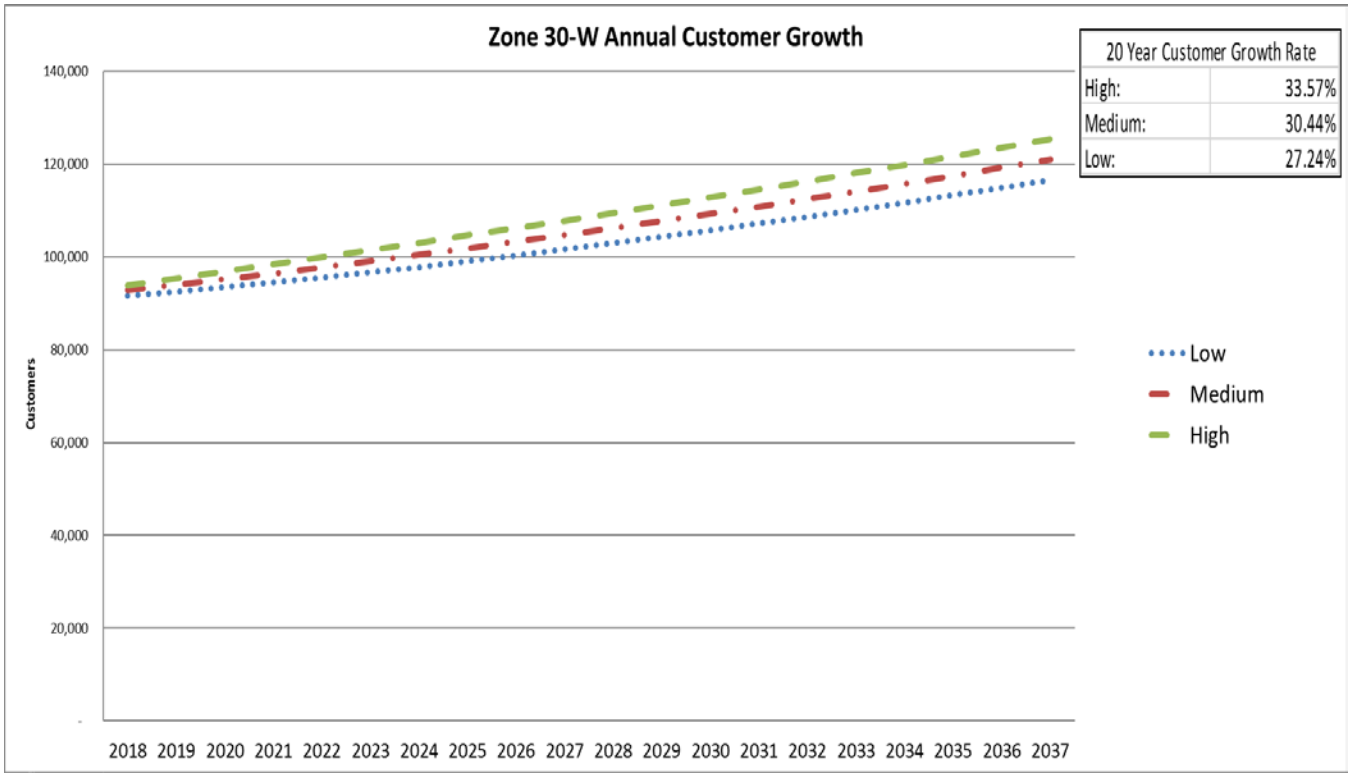
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 81,667 | 9,961 | 91,628 | 82,501 | 10,241 | 92,742 | 83,333 | 10,521 | 93,854 |
| 2019 | 82,460 | 10,032 | 92,492 | 83,549 | 10,397 | 93,947 | 84,640 | 10,761 | 95,402 |
| 2020 | 83,312 | 10,120 | 93,432 | 84,622 | 10,556 | 95,178 | 85,932 | 10,991 | 96,923 |
| 2021 | 84,230 | 10,219 | 94,449 | 85,728 | 10,717 | 96,445 | 87,225 | 11,216 | 98,441 |
| 2022 | 85,196 | 10,329 | 95,526 | 86,859 | 10,884 | 97,743 | 88,524 | 11,440 | 99,964 |
| 2023 | 86,204 | 10,445 | 96,649 | 88,020 | 11,054 | 99,074 | 89,836 | 11,664 | 101,500 |
| 2024 | 87,252 | 10,570 | 97,822 | 89,208 | 11,228 | 100,436 | 91,163 | 11,887 | 103,050 |
| 2025 | 88,337 | 10,703 | 99,040 | 90,422 | 11,410 | 101,832 | 92,509 | 12,115 | 104,623 |
| 2026 | 89,456 | 10,841 | 100,297 | 91,664 | 11,592 | 103,256 | 93,872 | 12,341 | 106,213 |
| 2027 | 90,609 | 10,986 | 101,595 | 92,933 | 11,780 | 104,714 | 95,258 | 12,573 | 107,830 |
| 2028 | 91,794 | 11,136 | 102,930 | 94,228 | 11,970 | 106,199 | 96,664 | 12,805 | 109,469 |
| 2029 | 93,011 | 11,293 | 104,304 | 95,553 | 12,167 | 107,720 | 98,094 | 13,039 | 111,133 |
| 2030 | 94,259 | 11,456 | 105,715 | 96,902 | 12,367 | 109,269 | 99,544 | 13,276 | 112,821 |
| 2031 | 95,539 | 11,623 | 107,162 | 98,279 | 12,571 | 110,851 | 101,019 | 13,519 | 114,538 |
| 2032 | 96,847 | 11,797 | 108,644 | 99,681 | 12,779 | 112,460 | 102,516 | 13,761 | 116,277 |
| 2033 | 98,185 | 11,977 | 110,162 | 101,111 | 12,993 | 114,104 | 104,036 | 14,010 | 118,046 |
| 2034 | 99,551 | 12,161 | 111,712 | 102,566 | 13,210 | 115,775 | 105,580 | 14,260 | 119,840 |
| 2035 | 100,947 | 12,349 | 113,296 | 104,047 | 13,431 | 117,478 | 107,147 | 14,515 | 121,662 |
| 2036 | 102,371 | 12,545 | 114,915 | 105,555 | 13,656 | 119,211 | 108,739 | 14,771 | 123,510 |
| 2037 | 103,845 | 12,742 | 116,587 | 107,089 | 13,887 | 120,976 | 110,332 | 15,032 | 125,363 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.97% | 0.71% | 0.94% | 1.27% | 1.53% | 1.30% | 1.57% | 2.28% | 1.65% |
| 2020 | 1.03% | 0.88% | 1.02% | 1.28% | 1.52% | 1.31% | 1.53% | 2.13% | 1.59% |
| 2021 | 1.10% | 0.98% | 1.09% | 1.31% | 1.53% | 1.33% | 1.50% | 2.05% | 1.57% |
| 2022 | 1.15% | 1.08% | 1.14% | 1.32% | 1.56% | 1.35% | 1.49% | 2.00% | 1.55% |
| 2023 | 1.18% | 1.12% | 1.18% | 1.34% | 1.56% | 1.36% | 1.48% | 1.96% | 1.54% |
| 2024 | 1.22% | 1.19% | 1.21% | 1.35% | 1.58% | 1.37% | 1.48% | 1.91% | 1.53% |
| 2025 | 1.24% | 1.26% | 1.24% | 1.36% | 1.62% | 1.39% | 1.48% | 1.92% | 1.53% |
| 2026 | 1.27% | 1.29% | 1.27% | 1.37% | 1.60% | 1.40% | 1.47% | 1.87% | 1.52% |
| 2027 | 1.29% | 1.34% | 1.29% | 1.38% | 1.63% | 1.41% | 1.48% | 1.87% | 1.52% |
| 2028 | 1.31% | 1.37% | 1.31% | 1.39% | 1.61% | 1.42% | 1.48% | 1.84% | 1.52% |
| 2029 | 1.33% | 1.41% | 1.34% | 1.41% | 1.64% | 1.43% | 1.48% | 1.83% | 1.52% |
| 2030 | 1.34% | 1.44% | 1.35% | 1.41% | 1.65% | 1.44% | 1.48% | 1.82% | 1.52% |
| 2031 | 1.36% | 1.46% | 1.37% | 1.42% | 1.65% | 1.45% | 1.48% | 1.83% | 1.52% |
| 2032 | 1.37% | 1.50% | 1.38% | 1.43% | 1.65% | 1.45% | 1.48% | 1.79% | 1.52% |
| 2033 | 1.38% | 1.52% | 1.40% | 1.43% | 1.68% | 1.46% | 1.48% | 1.81% | 1.52% |
| 2034 | 1.39% | 1.53% | 1.41% | 1.44% | 1.66% | 1.46% | 1.48% | 1.78% | 1.52% |
| 2035 | 1.40% | 1.55% | 1.42% | 1.44% | 1.68% | 1.47% | 1.48% | 1.79% | 1.52% |
| 2036 | 1.41% | 1.58% | 1.43% | 1.45% | 1.67% | 1.47% | 1.49% | 1.76% | 1.52% |
| 2037 | 1.44% | 1.57% | 1.45% | 1.45% | 1.69% | 1.48% | 1.46% | 1.76% | 1.50% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 33.57% |
| Medium: | 30.44% |
| Low: | 27.24% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Zone GTN

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 35,881,504 | 16,476,013 | 52,357,517 | 37,954,991 | 17,528,065 | 55,483,056 | 40,030,698 | 18,629,397 | 58,660,095 |
| 2019 | 36,545,856 | 16,718,771 | 53,264,628 | 38,806,027 | 17,941,477 | 56,747,504 | 41,060,481 | 19,170,972 | 60,231,453 |
| 2020 | 37,479,979 | 16,995,874 | 54,475,854 | 39,897,740 | 18,357,365 | 58,255,105 | 42,321,425 | 19,665,347 | 61,986,772 |
| 2021 | 37,963,189 | 17,307,348 | 55,270,537 | 40,542,399 | 18,740,899 | 59,283,298 | 43,064,416 | 20,148,743 | 63,213,159 |
| 2022 | 38,695,539 | 17,629,771 | 56,325,310 | 41,378,083 | 19,154,555 | 60,532,638 | 44,031,094 | 20,657,565 | 64,688,660 |
| 2023 | 39,467,142 | 17,950,448 | 57,417,590 | 42,285,836 | 19,539,871 | 61,825,707 | 45,032,533 | 21,136,392 | 66,168,926 |
| 2024 | 40,537,330 | 18,287,541 | 58,824,871 | 43,447,681 | 19,950,212 | 63,397,893 | 46,385,222 | 21,609,320 | 67,994,542 |
| 2025 | 41,117,742 | 18,648,053 | 59,765,796 | 44,096,722 | 20,343,137 | 64,439,859 | 47,098,054 | 22,083,905 | 69,181,959 |
| 2026 | 41,938,105 | 18,995,918 | 60,934,023 | 45,014,947 | 20,759,934 | 65,774,881 | 48,100,564 | 22,563,306 | 70,663,869 |
| 2027 | 42,778,389 | 19,345,398 | 62,123,787 | 45,915,610 | 21,190,616 | 67,106,227 | 49,095,176 | 23,057,902 | 72,153,078 |
| 2028 | 43,886,904 | 19,708,399 | 63,595,303 | 47,149,228 | 21,590,650 | 68,739,879 | 50,403,864 | 23,529,833 | 73,933,697 |
| 2029 | 44,476,038 | 20,070,835 | 64,546,873 | 47,781,544 | 22,043,034 | 69,824,578 | 51,135,491 | 23,994,459 | 75,129,950 |
| 2030 | 45,345,547 | 20,429,713 | 65,775,260 | 48,749,931 | 22,470,430 | 71,220,361 | 52,134,427 | 24,472,057 | 76,606,483 |
| 2031 | 46,195,545 | 20,823,876 | 67,019,421 | 49,720,375 | 22,877,849 | 72,598,224 | 53,178,293 | 24,931,807 | 78,110,100 |
| 2032 | 47,380,969 | 21,183,302 | 68,564,271 | 50,967,955 | 23,303,865 | 74,271,820 | 54,540,748 | 25,414,669 | 79,955,417 |
| 2033 | 47,949,638 | 21,562,094 | 69,511,732 | 51,611,951 | 23,708,204 | 75,320,154 | 55,238,594 | 25,872,916 | 81,111,510 |
| 2034 | 48,841,544 | 21,922,209 | 70,763,754 | 52,556,162 | 24,142,964 | 76,699,126 | 56,284,523 | 26,353,596 | 82,638,119 |
| 2035 | 49,765,437 | 22,336,641 | 72,102,077 | 53,507,476 | 24,570,124 | 78,077,600 | 57,310,856 | 26,832,312 | 84,143,168 |
| 2036 | 50,993,848 | 22,697,046 | 73,690,894 | 54,848,550 | 24,972,645 | 79,821,195 | 58,710,771 | 27,297,549 | 86,008,320 |
| 2037 | 51,564,695 | 23,097,621 | 74,662,316 | 55,450,434 | 25,411,917 | 80,862,350 | 59,395,482 | 27,730,289 | 87,125,772 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.85% | 1.47% | 1.73% | 2.24% | 2.36% | 2.28% | 2.57% | 2.91% | 2.68% |
| 2020 | 2.56% | 1.66% | 2.27% | 2.81% | 2.32% | 2.66% | 3.07% | 2.58% | 2.91% |
| 2021 | 1.29% | 1.83% | 1.46% | 1.62% | 2.09% | 1.76% | 1.76% | 2.46% | 1.98% |
| 2022 | 1.93% | 1.86% | 1.91% | 2.06% | 2.21% | 2.11% | 2.24% | 2.53% | 2.33% |
| 2023 | 1.99% | 1.82% | 1.94% | 2.19% | 2.01% | 2.14% | 2.27% | 2.32% | 2.29% |
| 2024 | 2.71% | 1.88% | 2.45% | 2.75% | 2.10% | 2.54% | 3.00% | 2.24% | 2.76% |
| 2025 | 1.43% | 1.97% | 1.60% | 1.49% | 1.97% | 1.64% | 1.54% | 2.20% | 1.75% |
| 2026 | 2.00% | 1.87% | 1.95% | 2.08% | 2.05% | 2.07% | 2.13% | 2.17% | 2.14% |
| 2027 | 2.00% | 1.84% | 1.95% | 2.00% | 2.07% | 2.02% | 2.07% | 2.19% | 2.11% |
| 2028 | 2.59% | 1.88% | 2.37% | 2.69% | 1.89% | 2.43% | 2.67% | 2.05% | 2.47% |
| 2029 | 1.34% | 1.84% | 1.50% | 1.34% | 2.10% | 1.58% | 1.45% | 1.97% | 1.62% |
| 2030 | 1.96% | 1.79% | 1.90% | 2.03% | 1.94% | 2.00% | 1.95% | 1.99% | 1.97% |
| 2031 | 1.87% | 1.93% | 1.89% | 1.99% | 1.81% | 1.93% | 2.00% | 1.88% | 1.96% |
| 2032 | 2.57% | 1.73% | 2.31% | 2.51% | 1.86% | 2.31% | 2.56% | 1.94% | 2.36% |
| 2033 | 1.20% | 1.79% | 1.38% | 1.26% | 1.74% | 1.41% | 1.28% | 1.80% | 1.45% |
| 2034 | 1.86% | 1.67% | 1.80% | 1.83% | 1.83% | 1.83% | 1.89% | 1.86% | 1.88% |
| 2035 | 1.89% | 1.89% | 1.89% | 1.81% | 1.77% | 1.80% | 1.82% | 1.82% | 1.82% |
| 2036 | 2.47% | 1.61% | 2.20% | 2.51% | 1.64% | 2.23% | 2.44% | 1.73% | 2.22% |
| 2037 | 1.12% | 1.76% | 1.32% | 1.10% | 1.76% | 1.30% | 1.17% | 1.59% | 1.30% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 45,140 | 553,892 | 599,032 | 48,022 | 560,191 | 608,213 | 51,039 | 566,435 | 617,474 |
| 2019 | 45,805 | 566,981 | 612,786 | 49,155 | 573,023 | 622,178 | 52,523 | 579,128 | 631,651 |
| 2020 | 46,564 | 579,026 | 625,590 | 50,294 | 584,884 | 635,178 | 53,878 | 590,973 | 644,850 |
| 2021 | 47,417 | 591,977 | 639,394 | 51,345 | 597,849 | 649,194 | 55,202 | 603,877 | 659,079 |
| 2022 | 48,301 | 604,444 | 652,744 | 52,478 | 610,270 | 662,748 | 56,596 | 616,244 | 672,840 |
| 2023 | 49,179 | 617,450 | 666,629 | 53,534 | 623,312 | 676,846 | 57,908 | 629,244 | 687,152 |
| 2024 | 50,103 | 630,150 | 680,253 | 54,658 | 636,020 | 690,678 | 59,204 | 641,992 | 701,195 |
| 2025 | 51,091 | 643,293 | 694,383 | 55,735 | 649,291 | 705,025 | 60,504 | 655,257 | 715,761 |
| 2026 | 52,044 | 656,691 | 708,734 | 56,877 | 662,720 | 719,596 | 61,817 | 668,736 | 730,554 |
| 2027 | 53,001 | 669,657 | 722,658 | 58,056 | 675,677 | 733,734 | 63,172 | 681,734 | 744,906 |
| 2028 | 53,996 | 683,182 | 737,178 | 59,152 | 689,324 | 748,476 | 64,465 | 695,408 | 759,873 |
| 2029 | 54,989 | 697,047 | 752,035 | 60,392 | 703,169 | 763,561 | 65,738 | 709,450 | 775,188 |
| 2030 | 55,972 | 710,724 | 766,696 | 61,563 | 716,884 | 778,447 | 67,047 | 723,253 | 790,300 |
| 2031 | 57,052 | 724,440 | 781,491 | 62,679 | 730,790 | 793,469 | 68,306 | 737,244 | 805,551 |
| 2032 | 58,036 | 737,759 | 795,796 | 63,846 | 744,146 | 807,992 | 69,629 | 750,666 | 820,296 |
| 2033 | 59,074 | 751,518 | 810,592 | 64,954 | 758,062 | 823,016 | 70,885 | 764,663 | 835,548 |
| 2034 | 60,061 | 765,013 | 825,074 | 66,145 | 771,574 | 837,719 | 72,202 | 778,274 | 850,475 |
| 2035 | 61,196 | 778,651 | 839,848 | 67,315 | 785,404 | 852,719 | 73,513 | 792,190 | 865,704 |
| 2036 | 62,184 | 792,593 | 854,777 | 68,418 | 799,459 | 867,877 | 74,788 | 806,305 | 881,093 |
| 2037 | 63,281 | 806,059 | 869,340 | 69,622 | 813,042 | 882,664 | 75,973 | 820,131 | 896,104 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.47% | 2.36% | 2.30% | 2.36% | 2.29% | 2.30% | 2.91% | 2.24% | 2.30% |
| 2020 | 1.66% | 2.12% | 2.09% | 2.32% | 2.07% | 2.09% | 2.58% | 2.05% | 2.09% |
| 2021 | 1.83% | 2.24% | 2.21% | 2.09% | 2.22% | 2.21% | 2.46% | 2.18% | 2.21% |
| 2022 | 1.86% | 2.11% | 2.09% | 2.21% | 2.08% | 2.09% | 2.53% | 2.05% | 2.09% |
| 2023 | 1.82% | 2.15% | 2.13% | 2.01% | 2.14% | 2.13% | 2.32% | 2.11% | 2.13% |
| 2024 | 1.88% | 2.06% | 2.04% | 2.10% | 2.04% | 2.04% | 2.24% | 2.03% | 2.04% |
| 2025 | 1.97% | 2.09% | 2.08% | 1.97% | 2.09% | 2.08% | 2.20% | 2.07% | 2.08% |
| 2026 | 1.87% | 2.08% | 2.07% | 2.05% | 2.07% | 2.07% | 2.17% | 2.06% | 2.07% |
| 2027 | 1.84% | 1.97% | 1.96% | 2.07% | 1.96% | 1.96% | 2.19% | 1.94% | 1.96% |
| 2028 | 1.88% | 2.02% | 2.01% | 1.89% | 2.02% | 2.01% | 2.05% | 2.01% | 2.01% |
| 2029 | 1.84% | 2.03% | 2.02% | 2.10% | 2.01% | 2.02% | 1.97% | 2.02% | 2.02% |
| 2030 | 1.79% | 1.96% | 1.95% | 1.94% | 1.95% | 1.95% | 1.99% | 1.95% | 1.95% |
| 2031 | 1.93% | 1.93% | 1.93% | 1.81% | 1.94% | 1.93% | 1.88% | 1.93% | 1.93% |
| 2032 | 1.73% | 1.84% | 1.83% | 1.86% | 1.83% | 1.83% | 1.94% | 1.82% | 1.83% |
| 2033 | 1.79% | 1.86% | 1.86% | 1.74% | 1.87% | 1.86% | 1.80% | 1.86% | 1.86% |
| 2034 | 1.67% | 1.80% | 1.79% | 1.83% | 1.78% | 1.79% | 1.86% | 1.78% | 1.79% |
| 2035 | 1.89% | 1.78% | 1.79% | 1.77% | 1.79% | 1.79% | 1.82% | 1.79% | 1.79% |
| 2036 | 1.61% | 1.79% | 1.78% | 1.64% | 1.79% | 1.78% | 1.73% | 1.78% | 1.78% |
| 2037 | 1.76% | 1.70% | 1.70% | 1.76% | 1.70% | 1.70% | 1.59% | 1.71% | 1.70% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 30,791,318 | 21,566,199 | 52,357,517 | 32,921,649 | 22,561,407 | 55,483,056 | 35,051,366 | 23,608,730 | 58,660,095 |
| 2019 | 31,561,051 | 21,703,576 | 53,264,628 | 33,740,586 | 23,006,918 | 56,747,504 | 35,919,694 | 24,311,759 | 60,231,453 |
| 2020 | 32,496,223 | 21,979,630 | 54,475,854 | 34,728,762 | 23,526,343 | 58,255,105 | 36,960,762 | 25,026,010 | 61,986,772 |
| 2021 | 33,163,427 | 22,107,110 | 55,270,537 | 35,426,536 | 23,856,762 | 59,283,298 | 37,689,236 | 25,523,923 | 63,213,159 |
| 2022 | 33,989,591 | 22,335,719 | 56,325,310 | 36,290,609 | 24,242,029 | 60,532,638 | 38,591,989 | 26,096,670 | 64,688,660 |
| 2023 | 34,835,046 | 22,582,545 | 57,417,590 | 37,174,098 | 24,651,609 | 61,825,707 | 39,512,581 | 26,656,345 | 66,168,926 |
| 2024 | 35,860,238 | 22,964,633 | 58,824,871 | 38,246,959 | 25,150,933 | 63,397,893 | 40,632,476 | 27,362,066 | 67,994,542 |
| 2025 | 36,581,689 | 23,184,107 | 59,765,796 | 38,993,593 | 25,446,267 | 64,439,859 | 41,405,589 | 27,776,370 | 69,181,959 |
| 2026 | 37,477,500 | 23,456,523 | 60,934,023 | 39,925,497 | 25,849,384 | 65,774,881 | 42,373,267 | 28,290,603 | 70,663,869 |
| 2027 | 38,388,384 | 23,735,403 | 62,123,787 | 40,871,980 | 26,234,246 | 67,106,227 | 43,355,561 | 28,797,518 | 72,153,078 |
| 2028 | 39,482,385 | 24,112,918 | 63,595,303 | 42,011,180 | 26,728,699 | 68,739,879 | 44,541,487 | 29,392,211 | 73,933,697 |
| 2029 | 40,253,864 | 24,293,009 | 64,546,873 | 42,808,899 | 27,015,678 | 69,824,578 | 45,363,097 | 29,766,853 | 75,129,950 |
| 2030 | 41,210,245 | 24,565,015 | 65,775,260 | 43,799,845 | 27,420,516 | 71,220,361 | 46,389,423 | 30,217,060 | 76,606,483 |
| 2031 | 42,175,306 | 24,844,115 | 67,019,421 | 44,799,611 | 27,798,612 | 72,598,224 | 47,424,832 | 30,685,268 | 78,110,100 |
| 2032 | 43,341,044 | 25,223,228 | 68,564,271 | 46,012,840 | 28,258,980 | 74,271,820 | 48,684,604 | 31,270,813 | 79,955,417 |
| 2033 | 44,129,624 | 25,382,108 | 69,511,732 | 46,824,409 | 28,495,746 | 75,320,154 | 49,518,407 | 31,593,103 | 81,111,510 |
| 2034 | 45,122,605 | 25,641,149 | 70,763,754 | 47,851,612 | 28,847,514 | 76,699,126 | 50,581,476 | 32,056,642 | 82,638,119 |
| 2035 | 46,128,425 | 25,973,652 | 72,102,077 | 48,892,565 | 29,185,034 | 78,077,600 | 51,657,197 | 32,485,971 | 84,143,168 |
| 2036 | 47,349,338 | 26,341,556 | 73,690,894 | 50,161,410 | 29,659,785 | 79,821,195 | 52,973,095 | 33,035,225 | 86,008,320 |
| 2037 | 48,161,938 | 26,500,378 | 74,662,316 | 50,995,942 | 29,866,409 | 80,862,350 | 53,829,739 | 33,296,033 | 87,125,772 |

Annual Change

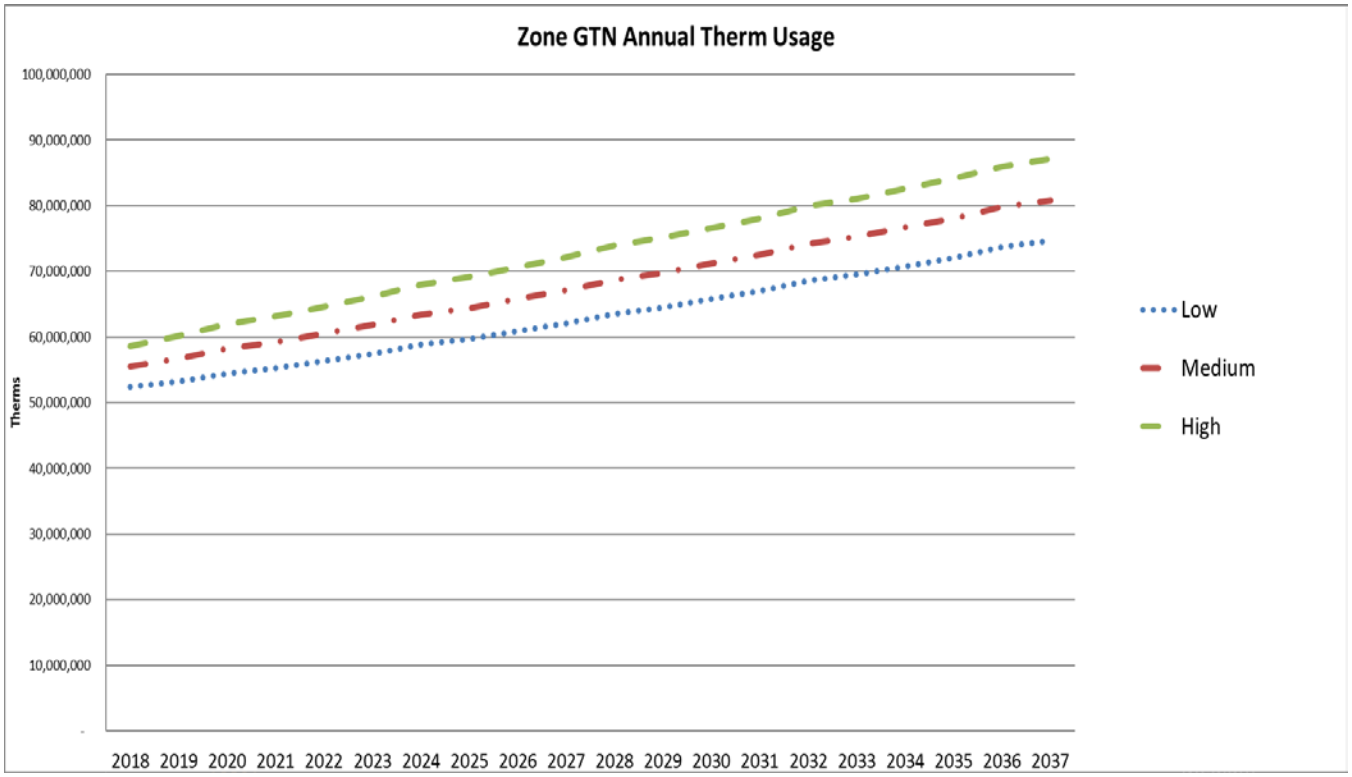
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.50% | 0.64% | 1.73% | 2.49% | 1.97% | 2.28% | 2.48% | 2.98% | 2.68% |
| 2020 | 2.96% | 1.27% | 2.27% | 2.93% | 2.26% | 2.66% | 2.90% | 2.94% | 2.91% |
| 2021 | 2.05% | 0.58% | 1.46% | 2.01% | 1.40% | 1.76% | 1.97% | 1.99% | 1.98% |
| 2022 | 2.49% | 1.03% | 1.91% | 2.44% | 1.61% | 2.11% | 2.40% | 2.24% | 2.33% |
| 2023 | 2.49% | 1.11% | 1.94% | 2.43% | 1.69% | 2.14% | 2.39% | 2.14% | 2.29% |
| 2024 | 2.94% | 1.69% | 2.45% | 2.89% | 2.03% | 2.54% | 2.83% | 2.65% | 2.76% |
| 2025 | 2.01% | 0.96% | 1.60% | 1.95% | 1.17% | 1.64% | 1.90% | 1.51% | 1.75% |
| 2026 | 2.45% | 1.18% | 1.95% | 2.39% | 1.58% | 2.07% | 2.34% | 1.85% | 2.14% |
| 2027 | 2.43% | 1.19% | 1.95% | 2.37% | 1.49% | 2.02% | 2.32% | 1.79% | 2.11% |
| 2028 | 2.85% | 1.59% | 2.37% | 2.79% | 1.88% | 2.43% | 2.74% | 2.07% | 2.47% |
| 2029 | 1.95% | 0.75% | 1.50% | 1.90% | 1.07% | 1.58% | 1.84% | 1.27% | 1.62% |
| 2030 | 2.38% | 1.12% | 1.90% | 2.31% | 1.50% | 2.00% | 2.26% | 1.51% | 1.97% |
| 2031 | 2.34% | 1.14% | 1.89% | 2.28% | 1.38% | 1.93% | 2.23% | 1.55% | 1.96% |
| 2032 | 2.76% | 1.53% | 2.31% | 2.71% | 1.66% | 2.31% | 2.66% | 1.91% | 2.36% |
| 2033 | 1.82% | 0.63% | 1.38% | 1.76% | 0.84% | 1.41% | 1.71% | 1.03% | 1.45% |
| 2034 | 2.25% | 1.02% | 1.80% | 2.19% | 1.23% | 1.83% | 2.15% | 1.47% | 1.88% |
| 2035 | 2.23% | 1.30% | 1.89% | 2.18% | 1.17% | 1.80% | 2.13% | 1.34% | 1.82% |
| 2036 | 2.65% | 1.42% | 2.20% | 2.60% | 1.63% | 2.23% | 2.55% | 1.69% | 2.22% |
| 2037 | 1.72% | 0.60% | 1.32% | 1.66% | 0.70% | 1.30% | 1.62% | 0.79% | 1.30% |

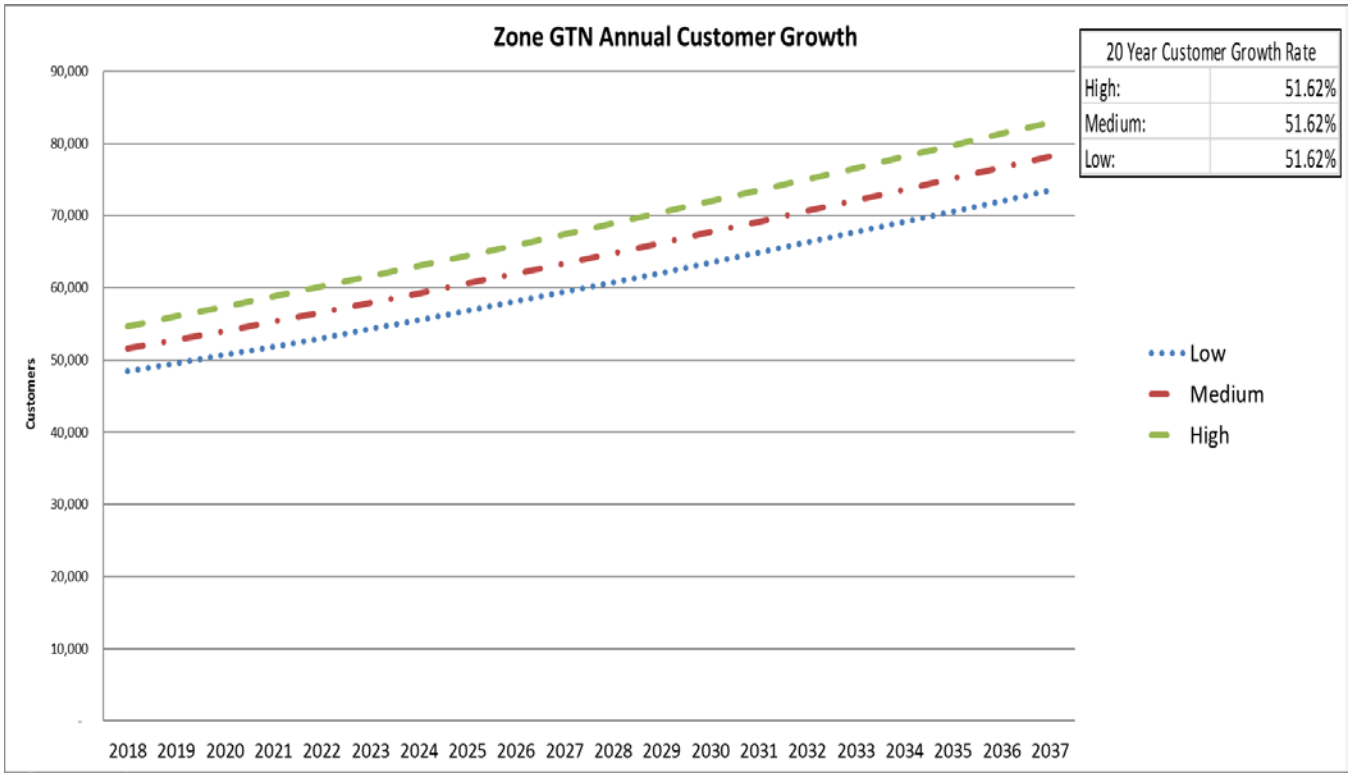
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 41,806 | 6,661 | 48,467 | 44,699 | 6,880 | 51,579 | 47,591 | 7,101 | 54,691 |
| 2019 | 42,834 | 6,722 | 49,556 | 45,805 | 7,004 | 52,809 | 48,775 | 7,285 | 56,061 |
| 2020 | 43,895 | 6,796 | 50,690 | 46,933 | 7,125 | 54,058 | 49,971 | 7,455 | 57,426 |
| 2021 | 44,983 | 6,875 | 51,857 | 48,083 | 7,249 | 55,332 | 51,184 | 7,620 | 58,804 |
| 2022 | 46,097 | 6,957 | 53,054 | 49,256 | 7,368 | 56,625 | 52,416 | 7,779 | 60,195 |
| 2023 | 47,235 | 7,042 | 54,277 | 50,452 | 7,489 | 57,941 | 53,669 | 7,933 | 61,601 |
| 2024 | 48,399 | 7,130 | 55,530 | 51,672 | 7,608 | 59,280 | 54,943 | 8,085 | 63,028 |
| 2025 | 49,585 | 7,220 | 56,805 | 52,912 | 7,725 | 60,637 | 56,239 | 8,233 | 64,472 |
| 2026 | 50,794 | 7,309 | 58,103 | 54,175 | 7,842 | 62,017 | 57,555 | 8,377 | 65,932 |
| 2027 | 52,025 | 7,397 | 59,422 | 55,458 | 7,958 | 63,416 | 58,891 | 8,520 | 67,410 |
| 2028 | 53,276 | 7,485 | 60,760 | 56,760 | 8,071 | 64,832 | 60,246 | 8,656 | 68,902 |
| 2029 | 54,547 | 7,572 | 62,119 | 58,085 | 8,182 | 66,267 | 61,622 | 8,793 | 70,415 |
| 2030 | 55,840 | 7,659 | 63,499 | 59,429 | 8,292 | 67,721 | 63,019 | 8,924 | 71,943 |
| 2031 | 57,147 | 7,743 | 64,889 | 60,788 | 8,400 | 69,187 | 64,428 | 9,054 | 73,482 |
| 2032 | 58,467 | 7,826 | 66,292 | 62,158 | 8,503 | 70,662 | 65,850 | 9,181 | 75,031 |
| 2033 | 59,800 | 7,906 | 67,707 | 63,543 | 8,605 | 72,148 | 67,285 | 9,303 | 76,588 |
| 2034 | 61,147 | 7,987 | 69,134 | 64,940 | 8,706 | 73,645 | 68,734 | 9,424 | 78,158 |
| 2035 | 62,507 | 8,066 | 70,573 | 66,350 | 8,803 | 75,153 | 70,194 | 9,542 | 79,736 |
| 2036 | 63,882 | 8,142 | 72,023 | 67,775 | 8,898 | 76,673 | 71,669 | 9,656 | 81,325 |
| 2037 | 65,270 | 8,217 | 73,487 | 69,213 | 8,992 | 78,205 | 73,157 | 9,768 | 82,925 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.46% | 0.92% | 2.25% | 2.47% | 1.79% | 2.38% | 2.49% | 2.60% | 2.50% |
| 2020 | 2.48% | 1.09% | 2.29% | 2.46% | 1.73% | 2.36% | 2.45% | 2.33% | 2.44% |
| 2021 | 2.48% | 1.16% | 2.30% | 2.45% | 1.74% | 2.36% | 2.43% | 2.21% | 2.40% |
| 2022 | 2.48% | 1.20% | 2.31% | 2.44% | 1.65% | 2.34% | 2.41% | 2.09% | 2.37% |
| 2023 | 2.47% | 1.22% | 2.31% | 2.43% | 1.64% | 2.33% | 2.39% | 1.98% | 2.34% |
| 2024 | 2.46% | 1.25% | 2.31% | 2.42% | 1.59% | 2.31% | 2.38% | 1.92% | 2.32% |
| 2025 | 2.45% | 1.26% | 2.30% | 2.40% | 1.54% | 2.29% | 2.36% | 1.83% | 2.29% |
| 2026 | 2.44% | 1.24% | 2.29% | 2.39% | 1.51% | 2.27% | 2.34% | 1.75% | 2.27% |
| 2027 | 2.42% | 1.21% | 2.27% | 2.37% | 1.48% | 2.26% | 2.32% | 1.70% | 2.24% |
| 2028 | 2.40% | 1.19% | 2.25% | 2.35% | 1.42% | 2.23% | 2.30% | 1.61% | 2.21% |
| 2029 | 2.39% | 1.17% | 2.24% | 2.33% | 1.37% | 2.21% | 2.29% | 1.58% | 2.20% |
| 2030 | 2.37% | 1.14% | 2.22% | 2.31% | 1.34% | 2.19% | 2.27% | 1.49% | 2.17% |
| 2031 | 2.34% | 1.09% | 2.19% | 2.29% | 1.30% | 2.16% | 2.24% | 1.45% | 2.14% |
| 2032 | 2.31% | 1.07% | 2.16% | 2.25% | 1.23% | 2.13% | 2.21% | 1.40% | 2.11% |
| 2033 | 2.28% | 1.03% | 2.13% | 2.23% | 1.19% | 2.10% | 2.18% | 1.34% | 2.08% |
| 2034 | 2.25% | 1.01% | 2.11% | 2.20% | 1.17% | 2.08% | 2.15% | 1.30% | 2.05% |
| 2035 | 2.22% | 0.99% | 2.08% | 2.17% | 1.12% | 2.05% | 2.13% | 1.25% | 2.02% |
| 2036 | 2.20% | 0.94% | 2.05% | 2.15% | 1.09% | 2.02% | 2.10% | 1.20% | 1.99% |
| 2037 | 2.17% | 0.93% | 2.03% | 2.12% | 1.05% | 2.00% | 2.08% | 1.16% | 1.97% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.62% |
| Medium: | 51.62% |
| Low: | 51.62% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

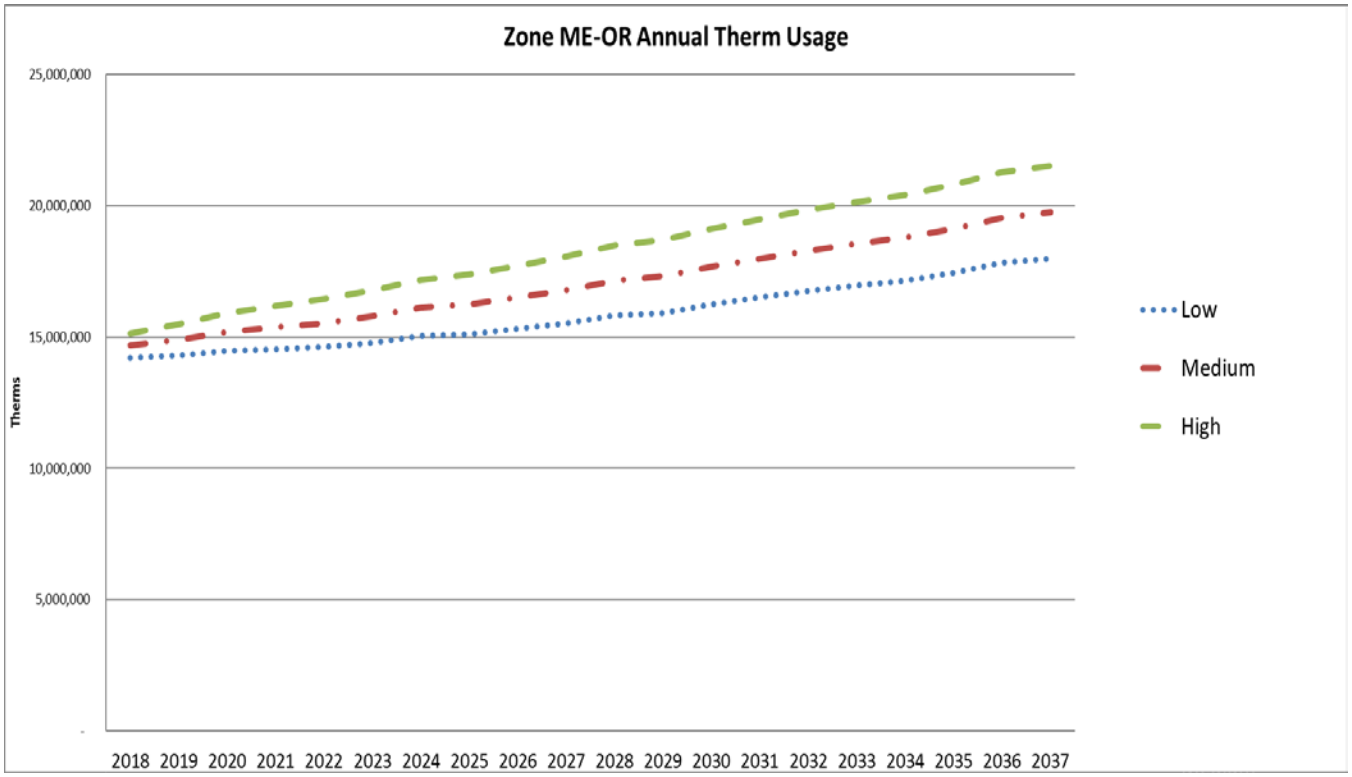
## Zone ME-OR

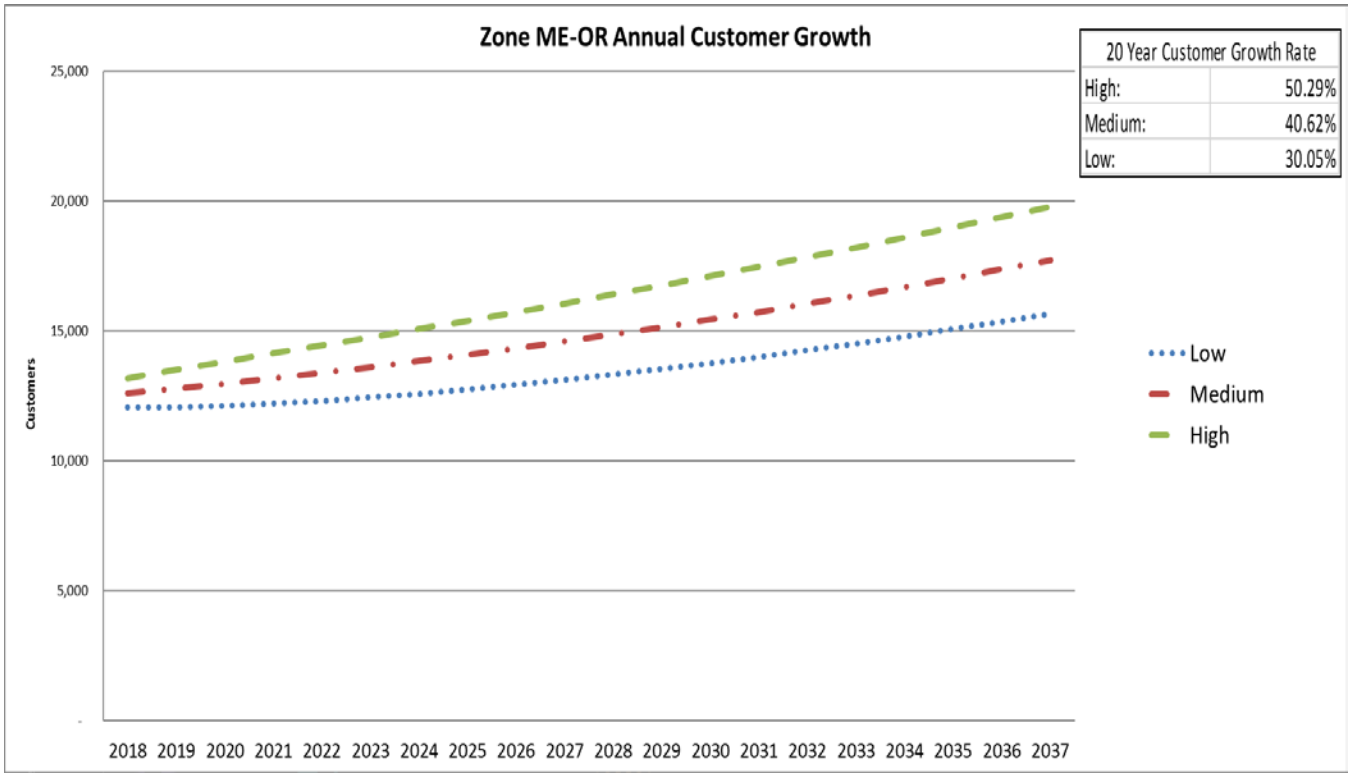
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,995,018 | 5,224,113 | 14,219,131 | 9,303,623 | 5,376,109 | 14,679,733 | 9,607,834 | 5,532,285 | 15,140,119 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 9,014,514 | 5,283,468 | 14,297,982 | 9,424,960 | 5,479,427 | 14,904,387 | 9,830,128 | 5,681,025 | 15,511,153 | 0.22% | 1.14% | 0.55% | 1.30% | 1.92% | 1.53% | 2.31% | 2.69% | 2.45% |
| 2020 | 9,118,151 | 5,353,026 | 14,471,177 | 9,609,817 | 5,588,167 | 15,197,984 | 10,104,604 | 5,822,403 | 15,927,007 | 1.15% | 1.32% | 1.21% | 1.96% | 1.98% | 1.97% | 2.79% | 2.49% | 2.68% |
| 2021 | 9,118,750 | 5,432,119 | 14,550,869 | 9,677,582 | 5,696,407 | 15,373,989 | 10,234,542 | 5,963,006 | 16,197,548 | 0.01% | 1.48% | 0.55% | 0.71% | 1.94% | 1.16% | 1.29% | 2.41% | 1.70% |
| 2022 | 9,165,219 | 5,453,499 | 14,618,719 | 9,787,989 | 5,746,364 | 15,534,352 | 10,407,059 | 6,040,555 | 16,447,614 | 0.51% | 0.39% | 0.47% | 1.14% | 0.88% | 1.04% | 1.69% | 1.30% | 1.54% |
| 2023 | 9,251,296 | 5,542,337 | 14,793,633 | 9,931,241 | 5,859,696 | 15,790,937 | 10,601,582 | 6,178,485 | 16,780,067 | 0.94% | 1.63% | 1.20% | 1.46% | 1.97% | 1.65% | 1.87% | 2.28% | 2.02% |
| 2024 | 9,412,616 | 5,632,194 | 15,044,810 | 10,142,342 | 5,975,800 | 16,118,142 | 10,872,199 | 6,317,700 | 17,189,899 | 1.74% | 1.62% | 1.70% | 2.13% | 1.98% | 2.07% | 2.55% | 2.25% | 2.44% |
| 2025 | 9,429,327 | 5,667,298 | 15,096,625 | 10,203,684 | 6,031,629 | 16,235,313 | 10,976,493 | 6,397,214 | 17,373,707 | 0.18% | 0.62% | 0.34% | 0.60% | 0.93% | 0.73% | 0.96% | 1.26% | 1.07% |
| 2026 | 9,540,169 | 5,769,704 | 15,309,873 | 10,359,578 | 6,152,346 | 16,511,924 | 11,178,417 | 6,537,626 | 17,716,044 | 1.18% | 1.81% | 1.41% | 1.53% | 2.00% | 1.70% | 1.84% | 2.19% | 1.97% |
| 2027 | 9,659,890 | 5,870,162 | 15,530,052 | 10,521,799 | 6,273,313 | 16,795,112 | 11,384,670 | 6,678,437 | 18,063,107 | 1.25% | 1.74% | 1.44% | 1.57% | 1.97% | 1.72% | 1.85% | 2.15% | 1.96% |
| 2028 | 9,848,609 | 5,974,132 | 15,822,740 | 10,755,399 | 6,399,288 | 17,154,686 | 11,661,757 | 6,818,833 | 18,480,590 | 1.95% | 1.77% | 1.88% | 2.22% | 2.01% | 2.14% | 2.43% | 2.10% | 2.31% |
| 2029 | 9,895,728 | 6,034,762 | 15,930,490 | 10,836,471 | 6,475,145 | 17,311,616 | 11,778,692 | 6,915,812 | 18,694,504 | 0.48% | 1.01% | 0.68% | 0.75% | 1.19% | 0.91% | 1.00% | 1.42% | 1.16% |
| 2030 | 10,027,517 | 6,217,288 | 16,244,804 | 11,005,438 | 6,674,504 | 17,679,942 | 11,979,371 | 7,133,118 | 19,112,490 | 1.33% | 3.02% | 1.97% | 1.56% | 3.08% | 2.13% | 1.70% | 3.14% | 2.24% |
| 2031 | 10,168,217 | 6,335,338 | 16,503,555 | 11,184,338 | 6,807,441 | 17,991,779 | 12,199,777 | 7,279,676 | 19,479,452 | 1.40% | 1.90% | 1.59% | 1.63% | 1.99% | 1.76% | 1.84% | 2.05% | 1.92% |
| 2032 | 10,364,900 | 6,387,325 | 16,752,225 | 11,418,625 | 6,877,386 | 18,296,011 | 12,472,942 | 7,369,394 | 19,842,337 | 1.93% | 0.82% | 1.51% | 2.09% | 1.03% | 1.69% | 2.24% | 1.23% | 1.86% |
| 2033 | 10,456,252 | 6,504,245 | 16,960,496 | 11,534,155 | 7,012,814 | 18,546,970 | 12,617,565 | 7,515,644 | 20,133,210 | 0.88% | 1.83% | 1.24% | 1.01% | 1.97% | 1.37% | 1.16% | 1.98% | 1.47% |
| 2034 | 10,592,320 | 6,564,774 | 17,157,094 | 11,705,936 | 7,084,405 | 18,790,340 | 12,820,767 | 7,606,087 | 20,426,853 | 1.30% | 0.93% | 1.16% | 1.49% | 1.02% | 1.31% | 1.61% | 1.20% | 1.46% |
| 2035 | 10,761,676 | 6,689,423 | 17,451,098 | 11,908,652 | 7,224,896 | 19,133,548 | 13,054,050 | 7,757,900 | 20,811,950 | 1.60% | 1.90% | 1.71% | 1.73% | 1.98% | 1.83% | 1.82% | 2.00% | 1.89% |
| 2036 | 11,010,324 | 6,815,153 | 17,825,477 | 12,190,854 | 7,362,775 | 19,553,629 | 13,375,322 | 7,913,812 | 21,289,134 | 2.31% | 1.88% | 2.15% | 2.37% | 1.91% | 2.20% | 2.46% | 2.01% | 2.29% |
| 2037 | 11,322,100 | 6,663,221 | 17,985,321 | 12,558,439 | 7,196,407 | 19,754,845 | 13,793,770 | 7,731,325 | 21,525,095 | 2.83% | -2.23% | 0.90% | 3.02% | -2.26% | 1.03% | 3.13% | -2.31% | 1.11% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 14,313 | 157,084 | 171,396 | 14,729 | 159,294 | 174,023 | 15,157 | 161,516 | 176,673 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 14,475 | 159,342 | 173,817 | 15,012 | 161,469 | 176,481 | 15,564 | 163,604 | 179,169 | 1.14% | 1.44% | 1.41% | 1.92% | 1.37% | 1.41% | 2.69% | 1.29% | 1.41% |
| 2020 | 14,666 | 161,572 | 176,238 | 15,310 | 163,629 | 178,939 | 15,952 | 165,712 | 181,663 | 1.32% | 1.40% | 1.39% | 1.98% | 1.34% | 1.39% | 2.49% | 1.29% | 1.39% |
| 2021 | 14,883 | 163,974 | 178,857 | 15,607 | 165,991 | 181,598 | 16,337 | 168,026 | 184,363 | 1.48% | 1.49% | 1.49% | 1.94% | 1.44% | 1.49% | 2.41% | 1.40% | 1.49% |
| 2022 | 14,941 | 165,975 | 180,916 | 15,743 | 167,945 | 183,689 | 16,549 | 169,936 | 186,486 | 0.39% | 1.22% | 1.15% | 0.88% | 1.18% | 1.15% | 1.30% | 1.14% | 1.15% |
| 2023 | 15,184 | 168,486 | 183,670 | 16,054 | 170,432 | 186,485 | 16,927 | 172,398 | 189,325 | 1.63% | 1.51% | 1.52% | 1.97% | 1.48% | 1.52% | 2.28% | 1.45% | 1.52% |
| 2024 | 15,431 | 171,027 | 186,458 | 16,372 | 172,943 | 189,315 | 17,309 | 174,889 | 192,198 | 1.62% | 1.51% | 1.52% | 1.98% | 1.47% | 1.52% | 2.25% | 1.45% | 1.52% |
| 2025 | 15,527 | 173,214 | 188,741 | 16,525 | 175,109 | 191,634 | 17,527 | 177,025 | 194,552 | 0.62% | 1.28% | 1.22% | 0.93% | 1.25% | 1.22% | 1.26% | 1.22% | 1.22% |
| 2026 | 15,807 | 176,014 | 191,822 | 16,856 | 177,906 | 194,762 | 17,911 | 179,816 | 197,727 | 1.81% | 1.62% | 1.63% | 2.00% | 1.60% | 1.63% | 2.19% | 1.58% | 1.63% |
| 2027 | 16,083 | 178,869 | 194,951 | 17,187 | 180,752 | 197,939 | 18,297 | 182,656 | 200,953 | 1.74% | 1.62% | 1.63% | 1.97% | 1.60% | 1.63% | 2.15% | 1.58% | 1.63% |
| 2028 | 16,367 | 181,804 | 198,171 | 17,532 | 183,676 | 201,209 | 18,682 | 185,591 | 204,272 | 1.77% | 1.64% | 1.65% | 2.01% | 1.62% | 1.65% | 2.10% | 1.61% | 1.65% |
| 2029 | 16,534 | 184,444 | 200,978 | 17,740 | 186,318 | 204,058 | 18,947 | 188,218 | 207,165 | 1.01% | 1.45% | 1.42% | 1.19% | 1.44% | 1.42% | 1.42% | 1.42% | 1.42% |
| 2030 | 17,034 | 188,595 | 205,629 | 18,286 | 190,494 | 208,780 | 19,543 | 192,416 | 211,959 | 3.02% | 2.25% | 2.31% | 3.08% | 2.24% | 2.31% | 3.14% | 2.23% | 2.31% |
| 2031 | 17,357 | 191,728 | 209,085 | 18,651 | 193,639 | 212,289 | 19,944 | 195,577 | 215,522 | 1.90% | 1.66% | 1.68% | 1.99% | 1.65% | 1.68% | 2.05% | 1.64% | 1.68% |
| 2032 | 17,500 | 194,531 | 212,031 | 18,842 | 196,438 | 215,280 | 20,190 | 198,368 | 218,559 | 0.82% | 1.46% | 1.41% | 1.03% | 1.45% | 1.41% | 1.23% | 1.43% | 1.41% |
| 2033 | 17,820 | 197,713 | 215,533 | 19,213 | 199,623 | 218,837 | 20,591 | 201,578 | 222,169 | 1.83% | 1.64% | 1.65% | 1.97% | 1.62% | 1.65% | 1.98% | 1.62% | 1.65% |
| 2034 | 17,986 | 200,681 | 218,666 | 19,409 | 202,608 | 222,018 | 20,839 | 204,560 | 225,398 | 0.93% | 1.50% | 1.45% | 1.02% | 1.50% | 1.45% | 1.20% | 1.48% | 1.45% |
| 2035 | 18,327 | 204,104 | 222,431 | 19,794 | 206,046 | 225,840 | 21,255 | 208,024 | 229,279 | 1.90% | 1.71% | 1.72% | 1.98% | 1.70% | 1.72% | 2.00% | 1.69% | 1.72% |
| 2036 | 18,672 | 207,655 | 226,327 | 20,172 | 209,624 | 229,796 | 21,682 | 211,613 | 233,295 | 1.88% | 1.74% | 1.75% | 1.91% | 1.74% | 1.75% | 2.01% | 1.73% | 1.75% |
| 2037 | 18,255 | 211,282 | 229,537 | 19,716 | 213,339 | 233,055 | 21,182 | 215,422 | 236,604 | -2.23% | 1.75% | 1.42% | -2.26% | 1.77% | 1.42% | -2.31% | 1.80% | 1.42% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 5,771,476 | 8,447,655 | 14,219,131 | 6,055,217 | 8,624,516 | 14,679,733 | 6,338,430 | 8,801,689 | 15,140,119 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,781,405 | 8,516,577 | 14,297,982 | 6,146,849 | 8,757,539 | 14,904,387 | 6,511,829 | 8,999,324 | 15,511,153 | 0.17% | 0.82% | 0.55% | 1.51% | 1.54% | 1.53% | 2.74% | 2.25% | 2.45% |
| 2020 | 5,838,159 | 8,633,018 | 14,471,177 | 6,271,739 | 8,926,245 | 15,197,984 | 6,705,845 | 9,221,162 | 15,927,007 | 0.98% | 1.37% | 1.21% | 2.03% | 1.93% | 1.97% | 2.98% | 2.47% | 2.68% |
| 2021 | 5,858,071 | 8,692,798 | 14,550,869 | 6,347,659 | 9,026,331 | 15,373,989 | 6,837,432 | 9,360,116 | 16,197,548 | 0.34% | 0.69% | 0.55% | 1.21% | 1.12% | 1.16% | 1.96% | 1.51% | 1.70% |
| 2022 | 5,915,248 | 8,703,471 | 14,618,719 | 6,456,645 | 9,077,707 | 15,534,352 | 6,997,730 | 9,449,883 | 16,447,614 | 0.98% | 0.12% | 0.47% | 1.72% | 0.57% | 1.04% | 2.34% | 0.96% | 1.54% |
| 2023 | 5,983,381 | 8,810,252 | 14,793,633 | 6,571,478 | 9,219,459 | 15,790,937 | 7,159,651 | 9,620,416 | 16,780,067 | 1.15% | 1.23% | 1.20% | 1.78% | 1.56% | 1.65% | 2.31% | 1.80% | 2.02% |
| 2024 | 6,088,118 | 8,956,692 | 15,044,810 | 6,722,563 | 9,395,579 | 16,118,142 | 7,357,311 | 9,832,588 | 17,189,899 | 1.75% | 1.66% | 1.70% | 2.30% | 1.91% | 2.07% | 2.76% | 2.21% | 2.44% |
| 2025 | 6,146,395 | 8,950,230 | 15,096,625 | 6,819,033 | 9,416,280 | 16,235,313 | 7,491,641 | 9,882,066 | 17,373,707 | 0.96% | -0.07% | 0.34% | 1.44% | 0.22% | 0.73% | 1.83% | 0.50% | 1.07% |
| 2026 | 6,239,801 | 9,070,072 | 15,309,873 | 6,950,996 | 9,560,929 | 16,511,924 | 7,661,855 | 10,054,189 | 17,716,044 | 1.52% | 1.34% | 1.41% | 1.94% | 1.54% | 1.70% | 2.27% | 1.74% | 1.97% |
| 2027 | 6,340,827 | 9,189,226 | 15,530,052 | 7,088,238 | 9,706,874 | 16,795,112 | 7,835,499 | 10,227,608 | 18,063,107 | 1.62% | 1.31% | 1.44% | 1.97% | 1.53% | 1.72% | 2.27% | 1.72% | 1.96% |
| 2028 | 6,476,440 | 9,346,300 | 15,822,740 | 7,261,477 | 9,893,210 | 17,154,686 | 8,046,818 | 10,433,772 | 18,480,590 | 2.14% | 1.71% | 1.88% | 2.44% | 1.92% | 2.14% | 2.70% | 2.02% | 2.31% |
| 2029 | 6,563,496 | 9,366,994 | 15,930,490 | 7,378,637 | 9,932,979 | 17,311,616 | 8,194,064 | 10,500,440 | 18,694,504 | 1.34% | 0.22% | 0.68% | 1.61% | 0.40% | 0.91% | 1.83% | 0.64% | 1.16% |
| 2030 | 6,684,622 | 9,560,182 | 16,244,804 | 7,531,995 | 10,147,947 | 17,679,942 | 8,378,992 | 10,733,498 | 19,112,490 | 1.85% | 2.06% | 1.97% | 2.08% | 2.16% | 2.13% | 2.26% | 2.22% | 2.24% |
| 2031 | 6,812,120 | 9,691,435 | 16,503,555 | 7,690,157 | 10,301,622 | 17,991,779 | 8,568,351 | 10,911,101 | 19,479,452 | 1.91% | 1.37% | 1.59% | 2.10% | 1.51% | 1.76% | 2.26% | 1.65% | 1.92% |
| 2032 | 6,976,806 | 9,775,419 | 16,752,225 | 7,888,308 | 10,407,703 | 18,296,011 | 8,800,001 | 11,042,335 | 19,842,337 | 2.42% | 0.87% | 1.51% | 2.58% | 1.03% | 1.69% | 2.70% | 1.20% | 1.86% |
| 2033 | 7,084,481 | 9,876,015 | 16,960,496 | 8,021,091 | 10,525,879 | 18,546,970 | 8,957,226 | 11,175,984 | 20,133,210 | 1.54% | 1.03% | 1.24% | 1.68% | 1.14% | 1.37% | 1.79% | 1.21% | 1.47% |
| 2034 | 7,229,594 | 9,927,501 | 17,157,094 | 8,194,132 | 10,596,209 | 18,790,340 | 9,158,336 | 11,268,518 | 20,426,853 | 2.05% | 0.52% | 1.16% | 2.16% | 0.67% | 1.31% | 2.25% | 0.83% | 1.46% |
| 2035 | 7,380,898 | 10,070,201 | 17,451,098 | 8,372,433 | 10,761,115 | 19,133,548 | 9,364,048 | 11,447,902 | 20,811,950 | 2.09% | 1.44% | 1.71% | 2.18% | 1.56% | 1.83% | 2.25% | 1.59% | 1.89% |
| 2036 | 7,570,581 | 10,254,896 | 17,825,477 | 8,592,760 | 10,960,869 | 19,553,629 | 9,615,374 | 11,673,760 | 21,289,134 | 2.57% | 1.83% | 2.15% | 2.63% | 1.86% | 2.20% | 2.68% | 1.97% | 2.29% |
| 2037 | 7,698,392 | 10,286,929 | 17,985,321 | 8,742,136 | 11,012,710 | 19,754,845 | 9,785,789 | 11,739,306 | 21,525,095 | 1.69% | 0.31% | 0.90% | 1.74% | 0.47% | 1.03% | 1.77% | 0.56% | 1.11% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,228 | 1,825 | 12,053 | 10,738 | 1,875 | 12,613 | 11,248 | 1,924 | 13,172 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,248 | 1,821 | 12,069 | 10,903 | 1,888 | 12,790 | 11,556 | 1,955 | 13,512 | 0.19% | -0.21% | 0.13% | 1.53% | 0.71% | 1.41% | 2.75% | 1.61% | 2.58% |
| 2020 | 10,304 | 1,821 | 12,126 | 11,076 | 1,902 | 12,979 | 11,849 | 1,984 | 13,833 | 0.55% | 0.00% | 0.47% | 1.60% | 0.75% | 1.47% | 2.53% | 1.44% | 2.38% |
| 2021 | 10,387 | 1,824 | 12,211 | 11,262 | 1,917 | 13,178 | 12,137 | 2,009 | 14,146 | 0.80% | 0.16% | 0.71% | 1.67% | 0.76% | 1.54% | 2.43% | 1.30% | 2.26% |
| 2022 | 10,491 | 1,827 | 12,318 | 11,457 | 1,931 | 13,388 | 12,423 | 2,034 | 14,457 | 1.00% | 0.19% | 0.88% | 1.74% | 0.74% | 1.59% | 2.36% | 1.22% | 2.20% |
| 2023 | 10,613 | 1,834 | 12,447 | 11,662 | 1,947 | 13,609 | 12,712 | 2,058 | 14,770 | 1.16% | 0.36% | 1.04% | 1.79% | 0.82% | 1.65% | 2.32% | 1.20% | 2.17% |
| 2024 | 10,750 | 1,842 | 12,592 | 11,878 | 1,962 | 13,840 | 13,005 | 2,083 | 15,088 | 1.30% | 0.42% | 1.17% | 1.85% | 0.81% | 1.70% | 2.31% | 1.20% | 2.15% |
| 2025 | 10,903 | 1,849 | 12,752 | 12,103 | 1,978 | 14,081 | 13,302 | 2,107 | 15,409 | 1.42% | 0.40% | 1.27% | 1.89% | 0.80% | 1.74% | 2.28% | 1.15% | 2.13% |
| 2026 | 11,070 | 1,859 | 12,929 | 12,338 | 1,995 | 14,333 | 13,606 | 2,131 | 15,737 | 1.53% | 0.55% | 1.39% | 1.94% | 0.86% | 1.79% | 2.28% | 1.15% | 2.13% |
| 2027 | 11,249 | 1,869 | 13,119 | 12,582 | 2,013 | 14,595 | 13,915 | 2,156 | 16,071 | 1.62% | 0.54% | 1.47% | 1.98% | 0.88% | 1.83% | 2.27% | 1.15% | 2.12% |
| 2028 | 11,443 | 1,880 | 13,323 | 12,836 | 2,031 | 14,867 | 14,231 | 2,180 | 16,411 | 1.72% | 0.59% | 1.56% | 2.02% | 0.90% | 1.86% | 2.27% | 1.11% | 2.11% |
| 2029 | 11,646 | 1,892 | 13,539 | 13,100 | 2,049 | 15,149 | 14,553 | 2,205 | 16,758 | 1.78% | 0.64% | 1.62% | 2.05% | 0.89% | 1.89% | 2.26% | 1.14% | 2.12% |
| 2030 | 11,862 | 1,906 | 13,768 | 13,372 | 2,068 | 15,441 | 14,883 | 2,230 | 17,113 | 1.85% | 0.73% | 1.69% | 2.08% | 0.95% | 1.93% | 2.26% | 1.16% | 2.12% |
| 2031 | 12,089 | 1,919 | 14,008 | 13,654 | 2,088 | 15,741 | 15,220 | 2,256 | 17,475 | 1.92% | 0.69% | 1.75% | 2.10% | 0.94% | 1.95% | 2.26% | 1.15% | 2.12% |
| 2032 | 12,327 | 1,933 | 14,259 | 13,945 | 2,107 | 16,051 | 15,562 | 2,281 | 17,843 | 1.97% | 0.70% | 1.79% | 2.13% | 0.90% | 1.97% | 2.25% | 1.09% | 2.10% |
| 2033 | 12,574 | 1,947 | 14,522 | 14,244 | 2,127 | 16,371 | 15,913 | 2,306 | 18,219 | 2.01% | 0.75% | 1.84% | 2.15% | 0.97% | 1.99% | 2.25% | 1.13% | 2.11% |
| 2034 | 12,832 | 1,962 | 14,794 | 14,552 | 2,146 | 16,698 | 16,271 | 2,332 | 18,602 | 2.05% | 0.75% | 1.88% | 2.16% | 0.92% | 2.00% | 2.25% | 1.09% | 2.10% |
| 2035 | 13,100 | 1,978 | 15,078 | 14,867 | 2,168 | 17,036 | 16,635 | 2,358 | 18,993 | 2.09% | 0.82% | 1.92% | 2.17% | 1.02% | 2.02% | 2.24% | 1.13% | 2.10% |
| 2036 | 13,378 | 1,995 | 15,372 | 15,192 | 2,189 | 17,381 | 17,006 | 2,385 | 19,391 | 2.12% | 0.87% | 1.95% | 2.18% | 0.97% | 2.03% | 2.23% | 1.14% | 2.10% |
| 2037 | 13,664 | 2,011 | 15,676 | 15,525 | 2,211 | 17,736 | 17,385 | 2,411 | 19,796 | 2.14% | 0.81% | 1.97% | 2.19% | 1.00% | 2.04% | 2.23% | 1.11% | 2.09% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.29% |
| Medium: | 40.62% |
| Low: | 30.05% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

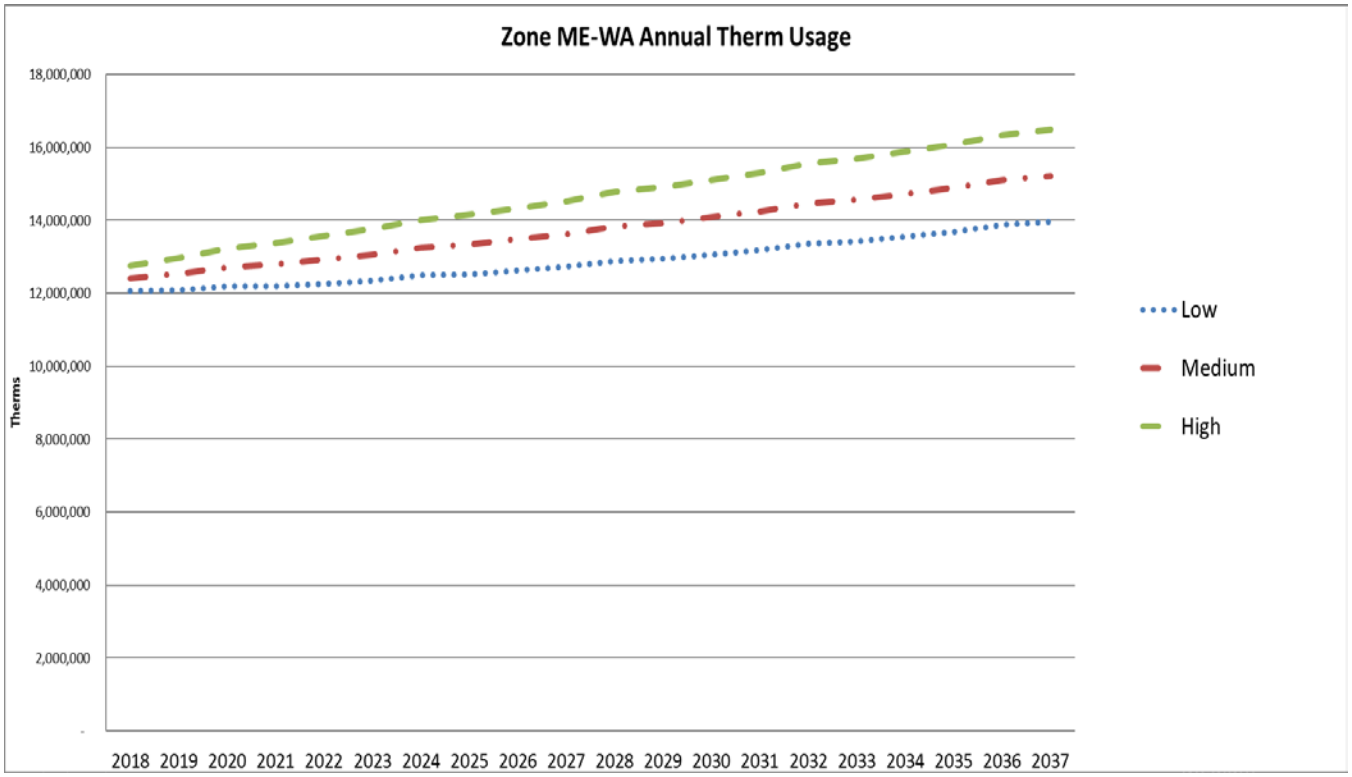
## Zone ME-WA

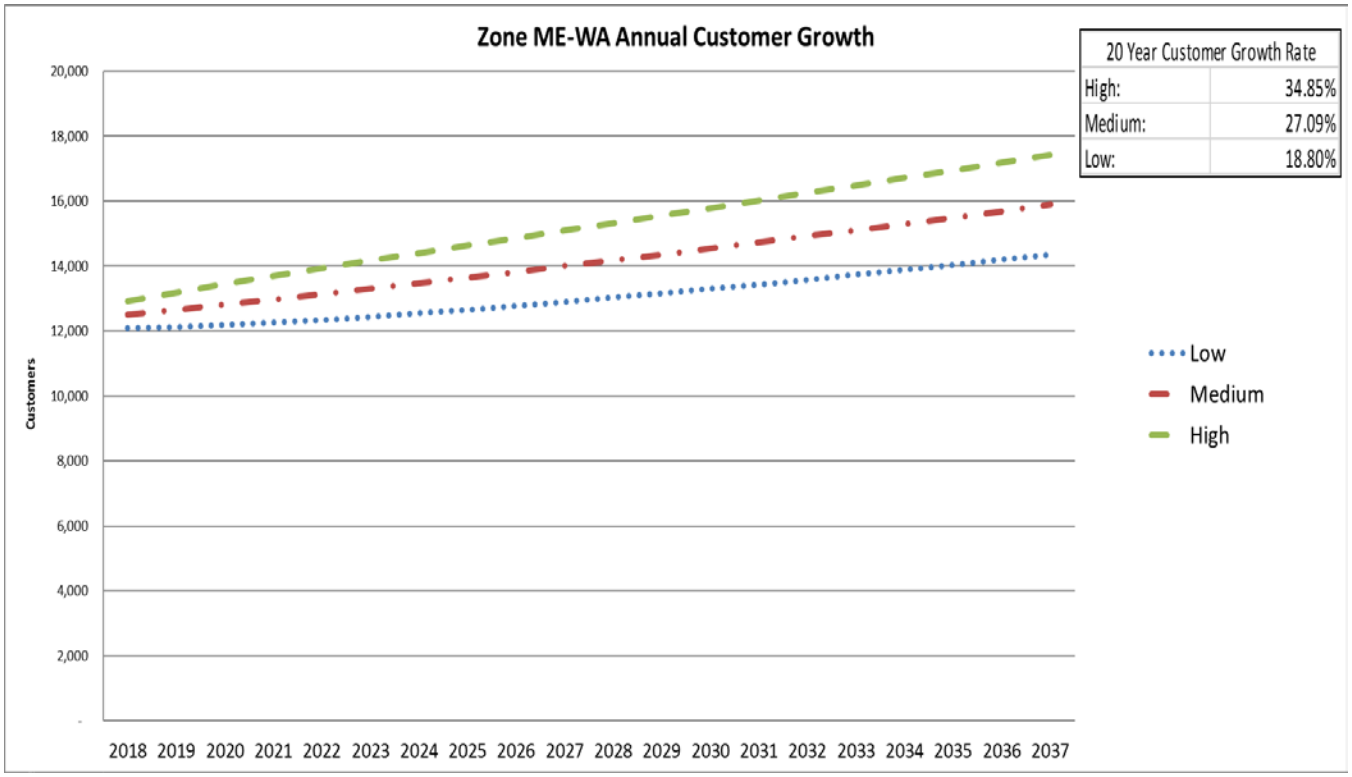
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,370,289 | 3,695,940 | 12,066,229 | 8,611,813 | 3,794,781 | 12,406,594 | 8,852,922 | 3,893,485 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,388,317 | 3,703,370 | 12,091,686 | 8,702,724 | 3,828,820 | 12,531,544 | 9,017,172 | 3,954,269 | 12,971,441 | 0.22% | 0.20% | 0.21% | 1.06% | 0.90% | 1.01% | 1.86% | 1.56% | 1.77% |
| 2020 | 8,470,864 | 3,717,010 | 12,187,874 | 8,845,737 | 3,864,243 | 12,709,980 | 9,220,941 | 4,011,476 | 13,232,418 | 0.98% | 0.37% | 0.80% | 1.64% | 0.93% | 1.42% | 2.26% | 1.45% | 2.01% |
| 2021 | 8,465,463 | 3,734,653 | 12,200,116 | 8,889,078 | 3,899,941 | 12,789,019 | 9,312,795 | 4,066,476 | 13,379,271 | -0.06% | 0.47% | 0.10% | 0.49% | 0.92% | 0.62% | 1.00% | 1.37% | 1.11% |
| 2022 | 8,515,303 | 3,754,641 | 12,269,944 | 8,984,931 | 3,937,160 | 12,922,091 | 9,454,886 | 4,119,543 | 13,574,430 | 0.59% | 0.54% | 0.57% | 1.08% | 0.95% | 1.04% | 1.53% | 1.30% | 1.46% |
| 2023 | 8,572,420 | 3,776,972 | 12,349,392 | 9,083,266 | 3,974,654 | 13,057,920 | 9,593,349 | 4,173,309 | 13,766,659 | 0.67% | 0.59% | 0.65% | 1.09% | 0.95% | 1.05% | 1.46% | 1.31% | 1.42% |
| 2024 | 8,685,500 | 3,801,237 | 12,486,737 | 9,237,488 | 4,013,395 | 13,250,884 | 9,789,285 | 4,225,554 | 14,014,839 | 1.32% | 0.64% | 1.11% | 1.70% | 0.97% | 1.48% | 2.04% | 1.25% | 1.80% |
| 2025 | 8,701,950 | 3,826,324 | 12,528,274 | 9,286,052 | 4,052,548 | 13,338,600 | 9,869,655 | 4,278,772 | 14,148,427 | 0.19% | 0.66% | 0.33% | 0.53% | 0.98% | 0.66% | 0.82% | 1.26% | 0.95% |
| 2026 | 8,771,669 | 3,854,318 | 12,625,987 | 9,388,960 | 4,093,085 | 13,482,046 | 10,007,667 | 4,331,715 | 14,339,382 | 0.80% | 0.73% | 0.78% | 1.11% | 1.00% | 1.08% | 1.40% | 1.24% | 1.35% |
| 2027 | 8,845,493 | 3,882,997 | 12,728,490 | 9,494,932 | 4,133,897 | 13,628,829 | 10,145,619 | 4,383,686 | 14,529,304 | 0.84% | 0.74% | 0.81% | 1.13% | 1.00% | 1.09% | 1.38% | 1.20% | 1.32% |
| 2028 | 8,973,522 | 3,912,224 | 12,885,747 | 9,657,007 | 4,174,982 | 13,831,989 | 10,341,610 | 4,436,492 | 14,778,102 | 1.45% | 0.75% | 1.24% | 1.71% | 0.99% | 1.49% | 1.93% | 1.20% | 1.71% |
| 2029 | 9,002,526 | 3,944,221 | 12,946,748 | 9,712,180 | 4,217,453 | 13,929,633 | 10,421,260 | 4,490,547 | 14,911,807 | 0.32% | 0.82% | 0.47% | 0.57% | 1.02% | 0.71% | 0.77% | 1.22% | 0.90% |
| 2030 | 9,086,106 | 3,976,629 | 13,062,735 | 9,822,679 | 4,260,197 | 14,082,876 | 10,560,449 | 4,543,628 | 15,104,076 | 0.93% | 0.82% | 0.90% | 1.14% | 1.01% | 1.10% | 1.34% | 1.18% | 1.29% |
| 2031 | 9,171,872 | 4,009,586 | 13,181,457 | 9,935,364 | 4,304,189 | 14,239,553 | 10,700,136 | 4,597,682 | 15,297,818 | 0.94% | 0.83% | 0.91% | 1.15% | 1.03% | 1.11% | 1.32% | 1.19% | 1.28% |
| 2032 | 9,314,699 | 4,044,064 | 13,358,762 | 10,108,116 | 4,348,592 | 14,456,709 | 10,903,557 | 4,651,873 | 15,555,431 | 1.56% | 0.86% | 1.35% | 1.74% | 1.03% | 1.53% | 1.90% | 1.18% | 1.68% |
| 2033 | 9,349,780 | 4,080,201 | 13,429,980 | 10,165,480 | 4,393,133 | 14,558,613 | 10,980,609 | 4,706,202 | 15,686,811 | 0.38% | 0.89% | 0.53% | 0.57% | 1.02% | 0.70% | 0.71% | 1.17% | 0.84% |
| 2034 | 9,442,707 | 4,116,475 | 13,559,181 | 10,281,882 | 4,439,058 | 14,720,940 | 11,121,586 | 4,761,641 | 15,883,227 | 0.99% | 0.89% | 0.96% | 1.15% | 1.05% | 1.11% | 1.28% | 1.18% | 1.25% |
| 2035 | 9,539,721 | 4,153,297 | 13,693,018 | 10,402,654 | 4,485,257 | 14,887,911 | 11,265,538 | 4,817,080 | 16,082,618 | 1.03% | 0.89% | 0.99% | 1.17% | 1.04% | 1.13% | 1.29% | 1.16% | 1.26% |
| 2036 | 9,692,837 | 4,191,504 | 13,884,341 | 10,584,233 | 4,531,593 | 15,115,827 | 11,474,868 | 4,872,793 | 16,347,661 | 1.61% | 0.92% | 1.40% | 1.75% | 1.03% | 1.53% | 1.86% | 1.16% | 1.65% |
| 2037 | 9,735,669 | 4,229,985 | 13,965,654 | 10,644,695 | 4,579,177 | 15,223,873 | 11,553,552 | 4,928,370 | 16,481,922 | 0.44% | 0.92% | 0.59% | 0.57% | 1.05% | 0.71% | 0.69% | 1.14% | 0.82% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 10,126 | 151,455 | 161,581 | 10,397 | 153,661 | 164,058 | 10,667 | 155,889 | 166,556 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,146 | 153,141 | 163,287 | 10,490 | 155,299 | 165,789 | 10,834 | 157,480 | 168,314 | 0.20% | 1.11% | 1.06% | 0.90% | 1.07% | 1.06% | 1.56% | 1.02% | 1.06% |
| 2020 | 10,184 | 154,825 | 165,008 | 10,587 | 156,950 | 167,537 | 10,990 | 159,098 | 170,088 | 0.37% | 1.10% | 1.05% | 0.93% | 1.06% | 1.05% | 1.45% | 1.03% | 1.05% |
| 2021 | 10,232 | 156,513 | 166,745 | 10,685 | 158,616 | 169,301 | 11,141 | 160,738 | 171,879 | 0.47% | 1.09% | 1.05% | 0.92% | 1.06% | 1.05% | 1.37% | 1.03% | 1.05% |
| 2022 | 10,287 | 158,252 | 168,539 | 10,787 | 160,335 | 171,122 | 11,286 | 162,441 | 173,727 | 0.54% | 1.11% | 1.08% | 0.95% | 1.08% | 1.08% | 1.30% | 1.06% | 1.08% |
| 2023 | 10,348 | 160,008 | 170,356 | 10,889 | 162,077 | 172,967 | 11,434 | 164,167 | 175,600 | 0.59% | 1.11% | 1.08% | 0.95% | 1.09% | 1.08% | 1.31% | 1.06% | 1.08% |
| 2024 | 10,414 | 161,807 | 172,221 | 10,996 | 163,865 | 174,861 | 11,577 | 165,946 | 177,523 | 0.64% | 1.12% | 1.10% | 0.97% | 1.10% | 1.10% | 1.25% | 1.08% | 1.10% |
| 2025 | 10,483 | 163,619 | 174,102 | 11,103 | 165,668 | 176,771 | 11,723 | 167,740 | 179,462 | 0.66% | 1.12% | 1.09% | 0.98% | 1.10% | 1.09% | 1.26% | 1.08% | 1.09% |
| 2026 | 10,560 | 165,488 | 176,048 | 11,214 | 167,532 | 178,746 | 11,868 | 169,600 | 181,468 | 0.73% | 1.14% | 1.12% | 1.00% | 1.13% | 1.12% | 1.24% | 1.11% | 1.12% |
| 2027 | 10,638 | 167,371 | 178,009 | 11,326 | 169,412 | 180,737 | 12,010 | 171,479 | 183,489 | 0.74% | 1.14% | 1.11% | 1.00% | 1.12% | 1.11% | 1.20% | 1.11% | 1.11% |
| 2028 | 10,718 | 169,300 | 180,019 | 11,438 | 171,339 | 182,778 | 12,155 | 173,406 | 185,561 | 0.75% | 1.15% | 1.13% | 0.99% | 1.14% | 1.13% | 1.20% | 1.12% | 1.13% |
| 2029 | 10,806 | 171,246 | 182,052 | 11,555 | 173,287 | 184,842 | 12,303 | 175,354 | 187,657 | 0.82% | 1.15% | 1.13% | 1.02% | 1.14% | 1.13% | 1.22% | 1.12% | 1.13% |
| 2030 | 10,895 | 173,198 | 184,093 | 11,672 | 175,243 | 186,915 | 12,448 | 177,312 | 189,761 | 0.82% | 1.14% | 1.12% | 1.01% | 1.13% | 1.12% | 1.18% | 1.12% | 1.12% |
| 2031 | 10,985 | 175,205 | 186,191 | 11,792 | 177,252 | 189,044 | 12,596 | 179,326 | 191,923 | 0.83% | 1.16% | 1.14% | 1.03% | 1.15% | 1.14% | 1.19% | 1.14% | 1.14% |
| 2032 | 11,080 | 177,224 | 188,304 | 11,914 | 179,276 | 191,190 | 12,745 | 181,356 | 194,101 | 0.86% | 1.15% | 1.14% | 1.03% | 1.14% | 1.14% | 1.18% | 1.13% | 1.14% |
| 2033 | 11,179 | 179,295 | 190,473 | 12,036 | 181,357 | 193,393 | 12,894 | 183,444 | 196,337 | 0.89% | 1.17% | 1.15% | 1.02% | 1.16% | 1.15% | 1.17% | 1.15% | 1.15% |
| 2034 | 11,278 | 181,340 | 192,618 | 12,162 | 183,409 | 195,570 | 13,046 | 185,503 | 198,548 | 0.89% | 1.14% | 1.13% | 1.05% | 1.13% | 1.13% | 1.18% | 1.12% | 1.13% |
| 2035 | 11,379 | 183,473 | 194,852 | 12,288 | 185,550 | 197,838 | 13,197 | 187,653 | 200,851 | 0.89% | 1.18% | 1.16% | 1.04% | 1.17% | 1.16% | 1.16% | 1.16% | 1.16% |
| 2036 | 11,484 | 185,569 | 197,053 | 12,415 | 187,658 | 200,073 | 13,350 | 189,769 | 203,120 | 0.92% | 1.14% | 1.13% | 1.03% | 1.14% | 1.13% | 1.16% | 1.13% | 1.13% |
| 2037 | 11,589 | 187,721 | 199,310 | 12,546 | 189,819 | 202,365 | 13,502 | 191,944 | 205,446 | 0.92% | 1.16% | 1.15% | 1.05% | 1.15% | 1.15% | 1.14% | 1.15% | 1.15% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,249,632 | 5,816,597 | 12,066,229 | 6,466,540 | 5,940,054 | 12,406,594 | 6,683,296 | 6,063,110 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,268,399 | 5,823,287 | 12,091,686 | 6,548,703 | 5,982,841 | 12,531,544 | 6,828,863 | 6,142,578 | 12,971,441 | 0.30% | 0.12% | 0.21% | 1.27% | 0.72% | 1.01% | 2.18% | 1.31% | 1.77% |
| 2020 | 6,327,058 | 5,860,816 | 12,187,874 | 6,659,906 | 6,050,075 | 12,709,980 | 6,992,581 | 6,239,837 | 13,232,418 | 0.94% | 0.64% | 0.80% | 1.70% | 1.12% | 1.42% | 2.40% | 1.58% | 2.01% |
| 2021 | 6,340,898 | 5,859,218 | 12,200,116 | 6,716,568 | 6,072,451 | 12,789,019 | 7,092,272 | 6,286,999 | 13,379,271 | 0.22% | -0.03% | 0.10% | 0.85% | 0.37% | 0.62% | 1.43% | 0.76% | 1.11% |
| 2022 | 6,386,616 | 5,883,327 | 12,269,944 | 6,801,870 | 6,120,222 | 12,922,091 | 7,217,020 | 6,357,410 | 13,574,430 | 0.72% | 0.41% | 0.57% | 1.27% | 0.79% | 1.04% | 1.76% | 1.12% | 1.46% |
| 2023 | 6,437,726 | 5,911,666 | 12,349,392 | 6,888,856 | 6,169,064 | 13,057,920 | 7,340,065 | 6,426,593 | 13,766,659 | 0.80% | 0.48% | 0.65% | 1.28% | 0.80% | 1.05% | 1.70% | 1.09% | 1.42% |
| 2024 | 6,520,211 | 5,966,526 | 12,486,737 | 7,006,930 | 6,243,953 | 13,250,884 | 7,493,473 | 6,521,366 | 14,014,839 | 1.28% | 0.93% | 1.11% | 1.71% | 1.21% | 1.48% | 2.09% | 1.47% | 1.80% |
| 2025 | 6,551,121 | 5,977,154 | 12,528,274 | 7,066,941 | 6,271,659 | 13,338,600 | 7,582,879 | 6,565,548 | 14,148,427 | 0.47% | 0.18% | 0.33% | 0.86% | 0.44% | 0.66% | 1.19% | 0.68% | 0.95% |
| 2026 | 6,612,259 | 6,013,729 | 12,625,987 | 7,157,531 | 6,324,514 | 13,482,046 | 7,702,846 | 6,636,536 | 14,339,382 | 0.93% | 0.61% | 0.78% | 1.28% | 0.84% | 1.08% | 1.58% | 1.08% | 1.35% |
| 2027 | 6,676,139 | 6,052,351 | 12,728,490 | 7,249,398 | 6,379,431 | 13,628,829 | 7,822,550 | 6,706,754 | 14,529,304 | 0.97% | 0.64% | 0.81% | 1.28% | 0.87% | 1.09% | 1.55% | 1.06% | 1.32% |
| 2028 | 6,769,936 | 6,115,810 | 12,885,747 | 7,372,240 | 6,459,749 | 13,831,989 | 7,974,414 | 6,803,688 | 14,778,102 | 1.40% | 1.05% | 1.24% | 1.69% | 1.26% | 1.49% | 1.94% | 1.45% | 1.71% |
| 2029 | 6,810,940 | 6,135,808 | 12,946,748 | 7,436,359 | 6,493,274 | 13,929,633 | 8,061,669 | 6,850,138 | 14,911,807 | 0.61% | 0.33% | 0.47% | 0.87% | 0.52% | 0.71% | 1.09% | 0.68% | 0.90% |
| 2030 | 6,881,827 | 6,180,908 | 13,062,735 | 7,531,607 | 6,551,270 | 14,082,876 | 8,181,291 | 6,922,785 | 15,104,076 | 1.04% | 0.74% | 0.90% | 1.28% | 0.89% | 1.10% | 1.48% | 1.06% | 1.29% |
| 2031 | 6,954,460 | 6,226,997 | 13,181,457 | 7,627,895 | 6,611,658 | 14,239,553 | 8,301,356 | 6,996,463 | 15,297,818 | 1.06% | 0.75% | 0.91% | 1.28% | 0.92% | 1.11% | 1.47% | 1.06% | 1.28% |
| 2032 | 7,058,537 | 6,300,226 | 13,358,762 | 7,757,597 | 6,699,112 | 14,456,709 | 8,456,729 | 7,098,701 | 15,555,431 | 1.50% | 1.18% | 1.35% | 1.70% | 1.32% | 1.53% | 1.87% | 1.46% | 1.68% |
| 2033 | 7,104,801 | 6,325,180 | 13,429,980 | 7,823,078 | 6,735,535 | 14,558,613 | 8,541,321 | 7,145,490 | 15,686,811 | 0.66% | 0.40% | 0.53% | 0.84% | 0.54% | 0.70% | 1.00% | 0.66% | 0.84% |
| 2034 | 7,182,787 | 6,376,394 | 13,559,181 | 7,922,310 | 6,798,630 | 14,720,940 | 8,662,083 | 7,221,144 | 15,883,227 | 1.10% | 0.81% | 0.96% | 1.27% | 0.94% | 1.11% | 1.41% | 1.06% | 1.25% |
| 2035 | 7,262,579 | 6,430,439 | 13,693,018 | 8,023,262 | 6,864,649 | 14,887,911 | 8,783,648 | 7,298,970 | 16,082,618 | 1.11% | 0.85% | 0.99% | 1.27% | 0.97% | 1.13% | 1.40% | 1.08% | 1.26% |
| 2036 | 7,374,400 | 6,509,941 | 13,884,341 | 8,158,395 | 6,957,432 | 15,115,827 | 8,942,359 | 7,405,302 | 16,347,661 | 1.54% | 1.24% | 1.40% | 1.68% | 1.35% | 1.53% | 1.81% | 1.46% | 1.65% |
| 2037 | 7,425,734 | 6,539,920 | 13,965,654 | 8,226,261 | 6,997,612 | 15,223,873 | 9,026,826 | 7,455,096 | 16,481,922 | 0.70% | 0.46% | 0.59% | 0.83% | 0.58% | 0.71% | 0.94% | 0.67% | 0.82% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,816 | 1,270 | 12,086 | 11,196 | 1,309 | 12,505 | 11,576 | 1,347 | 12,923 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,850 | 1,272 | 12,122 | 11,339 | 1,322 | 12,661 | 11,828 | 1,371 | 13,199 | 0.31% | 0.16% | 0.30% | 1.28% | 1.01% | 1.25% | 2.18% | 1.81% | 2.14% |
| 2020 | 10,906 | 1,277 | 12,183 | 11,484 | 1,335 | 12,819 | 12,062 | 1,394 | 13,456 | 0.52% | 0.37% | 0.50% | 1.28% | 1.03% | 1.25% | 1.97% | 1.65% | 1.94% |
| 2021 | 10,977 | 1,283 | 12,260 | 11,631 | 1,349 | 12,981 | 12,286 | 1,416 | 13,702 | 0.65% | 0.51% | 0.63% | 1.28% | 1.05% | 1.26% | 1.86% | 1.58% | 1.83% |
| 2022 | 11,057 | 1,291 | 12,348 | 11,780 | 1,364 | 13,145 | 12,503 | 1,438 | 13,941 | 0.73% | 0.59% | 0.72% | 1.28% | 1.10% | 1.26% | 1.77% | 1.54% | 1.75% |
| 2023 | 11,146 | 1,300 | 12,446 | 11,932 | 1,379 | 13,311 | 12,717 | 1,459 | 14,176 | 0.80% | 0.68% | 0.79% | 1.29% | 1.11% | 1.27% | 1.71% | 1.48% | 1.69% |
| 2024 | 11,241 | 1,310 | 12,551 | 12,085 | 1,395 | 13,480 | 12,929 | 1,481 | 14,409 | 0.85% | 0.76% | 0.84% | 1.29% | 1.14% | 1.27% | 1.66% | 1.47% | 1.64% |
| 2025 | 11,343 | 1,320 | 12,663 | 12,241 | 1,411 | 13,652 | 13,139 | 1,502 | 14,641 | 0.90% | 0.79% | 0.89% | 1.29% | 1.14% | 1.27% | 1.62% | 1.45% | 1.61% |
| 2026 | 11,449 | 1,331 | 12,780 | 12,398 | 1,428 | 13,826 | 13,347 | 1,524 | 14,871 | 0.94% | 0.86% | 0.93% | 1.29% | 1.17% | 1.27% | 1.59% | 1.46% | 1.57% |
| 2027 | 11,560 | 1,343 | 12,903 | 12,558 | 1,444 | 14,002 | 13,555 | 1,546 | 15,101 | 0.97% | 0.90% | 0.96% | 1.29% | 1.19% | 1.28% | 1.56% | 1.42% | 1.55% |
| 2028 | 11,676 | 1,356 | 13,031 | 12,720 | 1,462 | 14,181 | 13,763 | 1,568 | 15,331 | 1.00% | 0.94% | 0.99% | 1.29% | 1.19% | 1.28% | 1.53% | 1.43% | 1.52% |
| 2029 | 11,795 | 1,369 | 13,164 | 12,883 | 1,480 | 14,363 | 13,971 | 1,590 | 15,561 | 1.02% | 0.99% | 1.02% | 1.29% | 1.22% | 1.28% | 1.51% | 1.42% | 1.50% |
| 2030 | 11,918 | 1,383 | 13,301 | 13,049 | 1,498 | 14,546 | 14,179 | 1,612 | 15,792 | 1.04% | 1.01% | 1.04% | 1.28% | 1.22% | 1.28% | 1.49% | 1.41% | 1.48% |
| 2031 | 12,045 | 1,397 | 13,442 | 13,216 | 1,516 | 14,732 | 14,388 | 1,635 | 16,023 | 1.06% | 1.03% | 1.06% | 1.28% | 1.24% | 1.28% | 1.47% | 1.41% | 1.47% |
| 2032 | 12,174 | 1,412 | 13,586 | 13,385 | 1,535 | 14,921 | 14,597 | 1,658 | 16,255 | 1.08% | 1.08% | 1.08% | 1.28% | 1.25% | 1.28% | 1.45% | 1.41% | 1.45% |
| 2033 | 12,307 | 1,428 | 13,735 | 13,557 | 1,555 | 15,111 | 14,806 | 1,681 | 16,488 | 1.09% | 1.09% | 1.09% | 1.28% | 1.26% | 1.28% | 1.43% | 1.39% | 1.43% |
| 2034 | 12,443 | 1,444 | 13,886 | 13,729 | 1,574 | 15,303 | 15,016 | 1,705 | 16,721 | 1.10% | 1.11% | 1.10% | 1.27% | 1.27% | 1.27% | 1.42% | 1.40% | 1.42% |
| 2035 | 12,581 | 1,460 | 14,041 | 13,904 | 1,594 | 15,498 | 15,227 | 1,729 | 16,955 | 1.11% | 1.14% | 1.11% | 1.27% | 1.28% | 1.27% | 1.40% | 1.40% | 1.40% |
| 2036 | 12,721 | 1,477 | 14,198 | 14,080 | 1,615 | 15,694 | 15,438 | 1,753 | 17,190 | 1.12% | 1.15% | 1.12% | 1.26% | 1.28% | 1.27% | 1.39% | 1.38% | 1.39% |
| 2037 | 12,864 | 1,494 | 14,358 | 14,257 | 1,636 | 15,892 | 15,650 | 1,777 | 17,427 | 1.12% | 1.16% | 1.13% | 1.26% | 1.29% | 1.26% | 1.37% | 1.39% | 1.37% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 34.85% |
| Medium: | 27.09% |
| Low: | 18.80% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

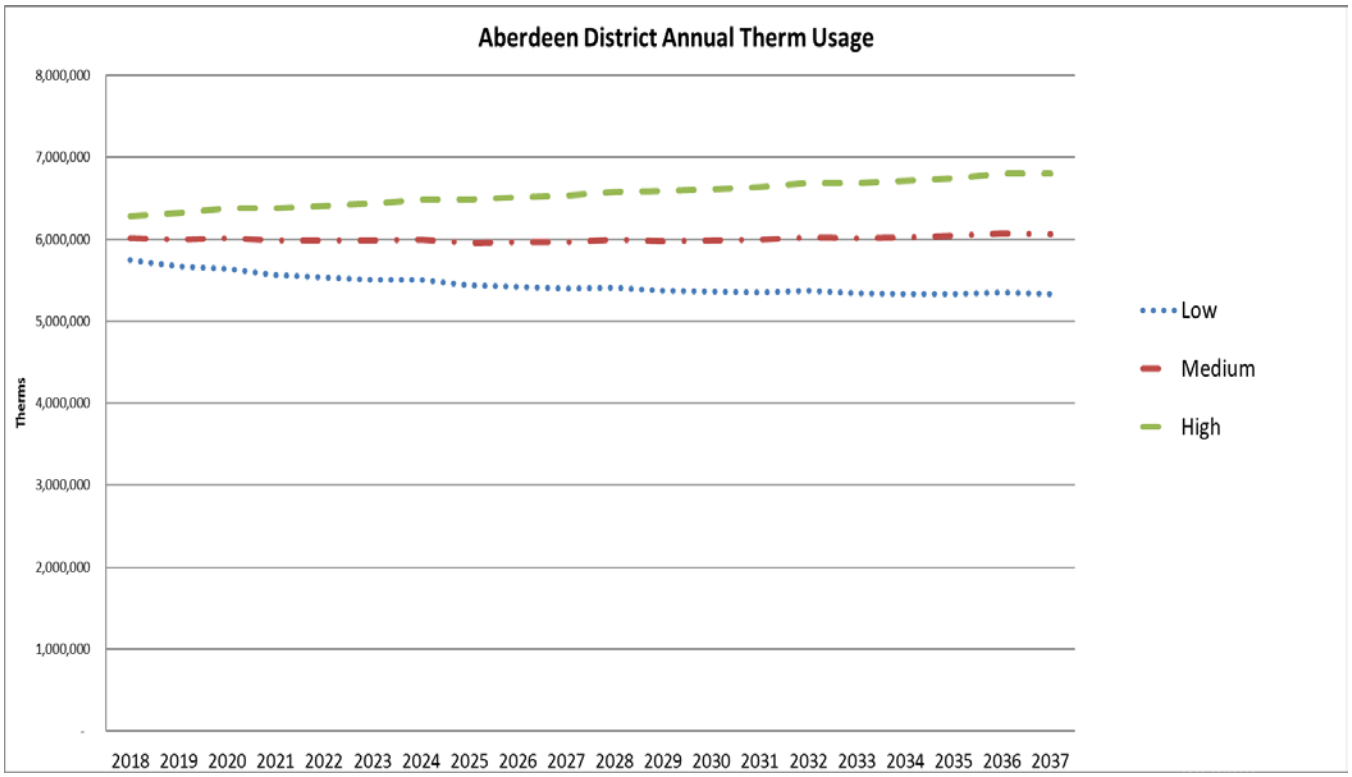
## Aberdeen District

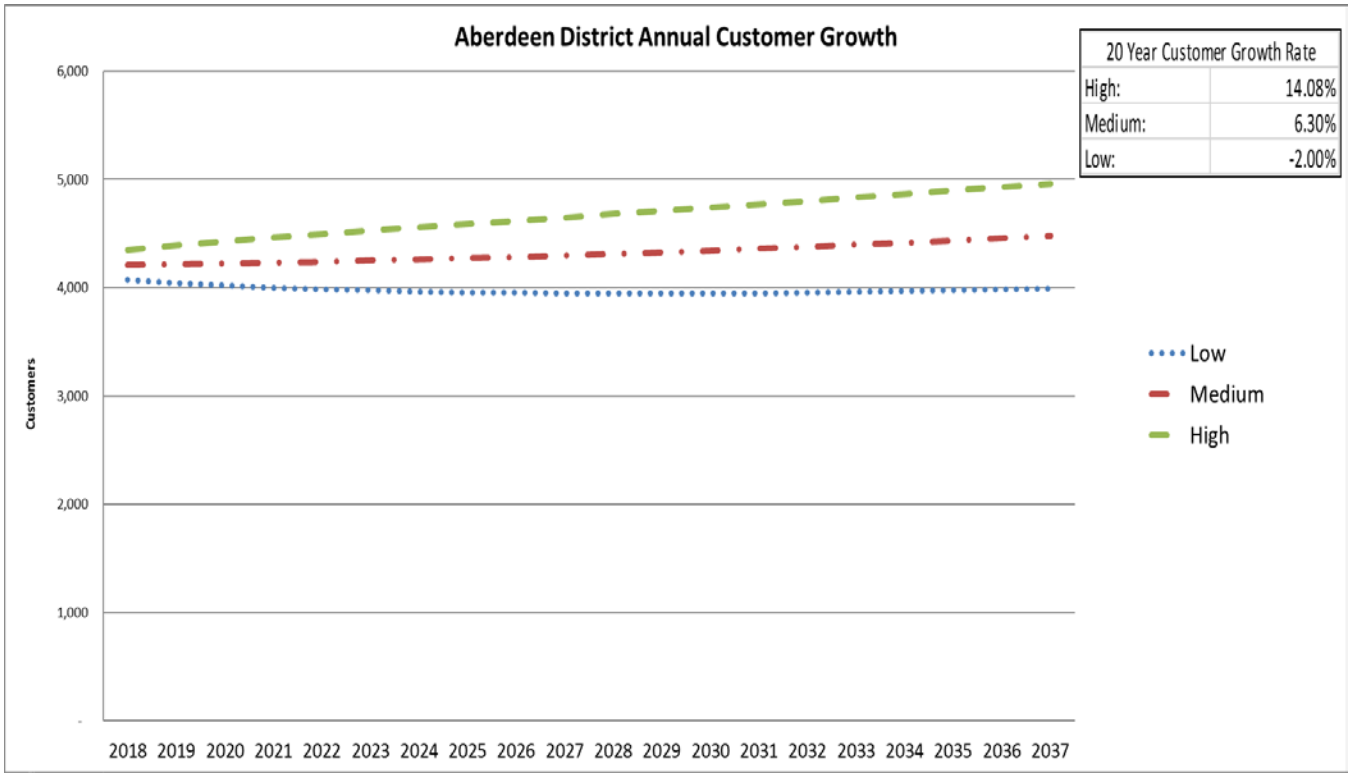
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,476,023 | 2,267,836 | 5,743,859 | 3,612,686 | 2,398,930 | 6,011,617 | 3,729,782 | 2,549,825 | 6,279,607 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,444,327 | 2,227,013 | 5,671,340 | 3,597,546 | 2,394,023 | 5,991,570 | 3,757,891 | 2,558,880 | 6,316,771 | -0.91% | -1.80% | -1.26% | -0.42% | -0.20% | -0.33% | 0.75% | 0.36% | 0.59% |
| 2020 | 3,433,504 | 2,211,333 | 5,644,836 | 3,619,992 | 2,391,442 | 6,011,434 | 3,806,320 | 2,569,226 | 6,375,546 | -0.31% | -0.70% | -0.47% | 0.62% | -0.11% | 0.33% | 1.29% | 0.40% | 0.93% |
| 2021 | 3,388,051 | 2,176,542 | 5,564,593 | 3,598,809 | 2,386,707 | 5,985,517 | 3,801,978 | 2,579,054 | 6,381,031 | -1.32% | -1.57% | -1.42% | -0.59% | -0.20% | -0.43% | -0.11% | 0.38% | 0.09% |
| 2022 | 3,368,564 | 2,164,395 | 5,532,959 | 3,597,973 | 2,384,299 | 5,982,271 | 3,819,881 | 2,586,556 | 6,406,437 | -0.58% | -0.56% | -0.57% | -0.02% | -0.10% | -0.05% | 0.47% | 0.29% | 0.40% |
| 2023 | 3,353,956 | 2,152,421 | 5,506,377 | 3,598,364 | 2,384,216 | 5,982,580 | 3,838,869 | 2,593,885 | 6,432,755 | -0.43% | -0.55% | -0.48% | 0.01% | 0.00% | 0.01% | 0.50% | 0.28% | 0.41% |
| 2024 | 3,360,760 | 2,143,117 | 5,503,877 | 3,629,293 | 2,362,180 | 5,991,473 | 3,884,369 | 2,601,215 | 6,485,584 | 0.20% | -0.43% | -0.05% | 0.86% | -0.92% | 0.15% | 1.19% | 0.28% | 0.82% |
| 2025 | 3,326,035 | 2,112,205 | 5,438,241 | 3,600,882 | 2,360,289 | 5,961,171 | 3,877,326 | 2,608,372 | 6,485,698 | -1.03% | -1.44% | -1.19% | -0.78% | -0.08% | -0.51% | -0.18% | 0.28% | 0.00% |
| 2026 | 3,316,250 | 2,103,419 | 5,419,670 | 3,604,551 | 2,360,551 | 5,965,101 | 3,894,895 | 2,615,529 | 6,510,424 | -0.29% | -0.42% | -0.34% | 0.10% | 0.01% | 0.07% | 0.45% | 0.27% | 0.38% |
| 2027 | 3,305,953 | 2,097,132 | 5,403,085 | 3,609,203 | 2,358,832 | 5,968,035 | 3,912,976 | 2,622,686 | 6,535,662 | -0.31% | -0.30% | -0.31% | 0.13% | -0.07% | 0.05% | 0.46% | 0.27% | 0.39% |
| 2028 | 3,317,224 | 2,088,864 | 5,406,088 | 3,635,450 | 2,359,440 | 5,994,889 | 3,952,863 | 2,629,843 | 6,582,706 | 0.34% | -0.39% | 0.06% | 0.73% | 0.03% | 0.45% | 1.02% | 0.27% | 0.72% |
| 2029 | 3,292,761 | 2,083,094 | 5,375,855 | 3,620,163 | 2,360,047 | 5,980,210 | 3,948,545 | 2,637,000 | 6,585,545 | -0.74% | -0.28% | -0.56% | -0.42% | 0.03% | -0.24% | -0.11% | 0.27% | 0.04% |
| 2030 | 3,287,738 | 2,077,324 | 5,365,062 | 3,626,856 | 2,360,827 | 5,987,683 | 3,964,325 | 2,646,483 | 6,610,808 | -0.15% | -0.28% | -0.20% | 0.18% | 0.03% | 0.12% | 0.40% | 0.36% | 0.38% |
| 2031 | 3,283,705 | 2,071,899 | 5,355,604 | 3,633,842 | 2,361,779 | 5,995,621 | 3,982,561 | 2,653,812 | 6,636,373 | -0.12% | -0.26% | -0.18% | 0.19% | 0.04% | 0.13% | 0.46% | 0.28% | 0.39% |
| 2032 | 3,302,042 | 2,066,647 | 5,368,689 | 3,665,657 | 2,362,732 | 6,028,388 | 4,027,744 | 2,661,142 | 6,688,886 | 0.56% | -0.25% | 0.24% | 0.88% | 0.04% | 0.55% | 1.13% | 0.28% | 0.79% |
| 2033 | 3,278,954 | 2,061,567 | 5,340,521 | 3,648,087 | 2,366,182 | 6,014,269 | 4,018,753 | 2,668,472 | 6,687,224 | -0.70% | -0.25% | -0.52% | -0.48% | 0.15% | -0.23% | -0.22% | 0.28% | -0.02% |
| 2034 | 3,276,476 | 2,058,813 | 5,335,290 | 3,657,120 | 2,367,307 | 6,024,428 | 4,038,501 | 2,675,974 | 6,714,475 | -0.08% | -0.13% | -0.10% | 0.25% | 0.05% | 0.17% | 0.49% | 0.28% | 0.41% |
| 2035 | 3,278,698 | 2,054,079 | 5,332,777 | 3,669,689 | 2,368,777 | 6,038,466 | 4,057,890 | 2,685,457 | 6,743,347 | 0.07% | -0.23% | -0.05% | 0.34% | 0.06% | 0.23% | 0.48% | 0.35% | 0.43% |
| 2036 | 3,299,937 | 2,051,497 | 5,351,435 | 3,701,868 | 2,372,401 | 6,074,269 | 4,104,652 | 2,693,131 | 6,797,783 | 0.65% | -0.13% | 0.35% | 0.88% | 0.15% | 0.59% | 1.15% | 0.29% | 0.81% |
| 2037 | 3,279,811 | 2,049,261 | 5,329,072 | 3,688,437 | 2,376,024 | 6,064,461 | 4,097,646 | 2,700,633 | 6,798,280 | -0.61% | -0.11% | -0.42% | -0.36% | 0.15% | -0.16% | -0.17% | 0.28% | 0.01% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 6,213 | 49,283 | 55,496 | 6,572 | 49,775 | 56,347 | 6,986 | 50,219 | 57,205 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,101 | 49,339 | 55,440 | 6,559 | 49,731 | 56,290 | 7,011 | 50,137 | 57,147 | -1.80% | 0.11% | -0.10% | -0.20% | -0.09% | -0.10% | 0.36% | -0.16% | -0.10% |
| 2020 | 6,058 | 49,372 | 55,431 | 6,552 | 49,728 | 56,280 | 7,039 | 50,098 | 57,137 | -0.70% | 0.07% | -0.02% | -0.11% | -0.01% | -0.02% | 0.40% | -0.08% | -0.02% |
| 2021 | 5,963 | 49,458 | 55,421 | 6,539 | 49,732 | 56,271 | 7,066 | 50,062 | 57,127 | -1.57% | 0.17% | -0.02% | -0.20% | 0.01% | -0.02% | 0.38% | -0.07% | -0.02% |
| 2022 | 5,930 | 49,489 | 55,419 | 6,532 | 49,736 | 56,268 | 7,086 | 50,038 | 57,125 | -0.56% | 0.06% | 0.00% | -0.10% | 0.01% | 0.00% | 0.29% | -0.05% | 0.00% |
| 2023 | 5,897 | 49,533 | 55,430 | 6,532 | 49,747 | 56,279 | 7,107 | 50,030 | 57,136 | -0.55% | 0.09% | 0.02% | 0.00% | 0.02% | 0.02% | 0.28% | -0.02% | 0.02% |
| 2024 | 5,872 | 49,422 | 55,294 | 6,472 | 49,670 | 56,141 | 7,127 | 49,869 | 56,996 | -0.43% | -0.22% | -0.25% | -0.92% | -0.16% | -0.25% | 0.28% | -0.32% | -0.25% |
| 2025 | 5,787 | 49,525 | 55,312 | 6,467 | 49,693 | 56,160 | 7,146 | 49,869 | 57,015 | -1.44% | 0.21% | 0.03% | -0.08% | 0.05% | 0.03% | 0.28% | 0.00% | 0.03% |
| 2026 | 5,763 | 49,607 | 55,370 | 6,467 | 49,751 | 56,219 | 7,166 | 49,909 | 57,075 | -0.42% | 0.17% | 0.10% | 0.01% | 0.12% | 0.10% | 0.27% | 0.08% | 0.10% |
| 2027 | 5,746 | 49,657 | 55,402 | 6,463 | 49,789 | 56,251 | 7,185 | 49,922 | 57,108 | -0.30% | 0.10% | 0.06% | -0.07% | 0.08% | 0.06% | 0.27% | 0.03% | 0.06% |
| 2028 | 5,723 | 49,751 | 55,474 | 6,464 | 49,860 | 56,324 | 7,205 | 49,977 | 57,182 | -0.39% | 0.19% | 0.13% | 0.03% | 0.14% | 0.13% | 0.27% | 0.11% | 0.13% |
| 2029 | 5,707 | 49,839 | 55,546 | 6,466 | 49,931 | 56,397 | 7,225 | 50,031 | 57,256 | -0.28% | 0.18% | 0.13% | 0.03% | 0.14% | 0.13% | 0.27% | 0.11% | 0.13% |
| 2030 | 5,691 | 49,940 | 55,632 | 6,468 | 50,016 | 56,484 | 7,251 | 50,094 | 57,344 | -0.28% | 0.20% | 0.15% | 0.03% | 0.17% | 0.15% | 0.36% | 0.12% | 0.15% |
| 2031 | 5,676 | 50,041 | 55,717 | 6,471 | 50,101 | 56,571 | 7,271 | 50,162 | 57,433 | -0.26% | 0.20% | 0.15% | 0.04% | 0.17% | 0.15% | 0.28% | 0.14% | 0.15% |
| 2032 | 5,662 | 50,141 | 55,803 | 6,473 | 50,185 | 56,658 | 7,291 | 50,230 | 57,521 | -0.25% | 0.20% | 0.15% | 0.04% | 0.17% | 0.15% | 0.28% | 0.14% | 0.15% |
| 2033 | 5,648 | 50,294 | 55,942 | 6,483 | 50,317 | 56,800 | 7,311 | 50,354 | 57,665 | -0.25% | 0.31% | 0.25% | 0.15% | 0.26% | 0.25% | 0.28% | 0.25% | 0.25% |
| 2034 | 5,641 | 50,401 | 56,042 | 6,486 | 50,415 | 56,901 | 7,331 | 50,436 | 57,767 | -0.13% | 0.21% | 0.18% | 0.05% | 0.19% | 0.18% | 0.28% | 0.16% | 0.18% |
| 2035 | 5,628 | 50,554 | 56,181 | 6,490 | 50,552 | 57,042 | 7,357 | 50,553 | 57,911 | -0.23% | 0.30% | 0.25% | 0.06% | 0.27% | 0.25% | 0.35% | 0.23% | 0.25% |
| 2036 | 5,621 | 50,667 | 56,288 | 6,500 | 50,651 | 57,151 | 7,378 | 50,642 | 58,021 | -0.13% | 0.22% | 0.19% | 0.15% | 0.19% | 0.19% | 0.29% | 0.18% | 0.19% |
| 2037 | 5,614 | 50,827 | 56,441 | 6,510 | 50,796 | 57,306 | 7,399 | 50,780 | 58,179 | -0.11% | 0.31% | 0.27% | 0.15% | 0.29% | 0.27% | 0.28% | 0.27% | 0.27% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,364,668 | 3,379,191 | 5,743,859 | 2,441,610 | 3,570,006 | 6,011,617 | 2,518,434 | 3,761,173 | 6,279,607 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,348,123 | 3,323,217 | 5,671,340 | 2,447,655 | 3,543,915 | 5,991,570 | 2,547,189 | 3,769,581 | 6,316,771 | -0.70% | -1.66% | -1.26% | 0.25% | -0.73% | -0.33% | 1.14% | 0.22% | 0.59% |
| 2020 | 2,346,304 | 3,298,533 | 5,644,836 | 2,464,537 | 3,546,897 | 6,011,434 | 2,582,870 | 3,792,676 | 6,375,546 | -0.08% | -0.74% | -0.47% | 0.69% | 0.08% | 0.33% | 1.40% | 0.61% | 0.93% |
| 2021 | 2,327,759 | 3,236,835 | 5,564,593 | 2,461,323 | 3,524,194 | 5,985,517 | 2,594,877 | 3,786,154 | 6,381,031 | -0.79% | -1.87% | -1.42% | -0.13% | -0.64% | -0.43% | 0.46% | -0.17% | 0.09% |
| 2022 | 2,320,618 | 3,212,341 | 5,532,959 | 2,468,239 | 3,514,032 | 5,982,271 | 2,616,063 | 3,790,374 | 6,406,437 | -0.31% | -0.76% | -0.57% | 0.28% | -0.29% | -0.05% | 0.82% | 0.11% | 0.40% |
| 2023 | 2,315,899 | 3,190,478 | 5,506,377 | 2,476,638 | 3,505,942 | 5,982,580 | 2,637,149 | 3,795,606 | 6,432,755 | -0.20% | -0.68% | -0.48% | 0.34% | -0.23% | 0.01% | 0.81% | 0.14% | 0.41% |
| 2024 | 2,323,037 | 3,180,840 | 5,503,877 | 2,496,424 | 3,495,049 | 5,991,473 | 2,669,556 | 3,816,029 | 6,485,584 | 0.31% | -0.30% | -0.05% | 0.80% | -0.31% | 0.15% | 1.23% | 0.54% | 0.82% |
| 2025 | 2,311,682 | 3,126,559 | 5,438,241 | 2,495,239 | 3,465,931 | 5,961,171 | 2,678,887 | 3,806,811 | 6,485,698 | -0.49% | -1.71% | -1.19% | -0.05% | -0.83% | -0.51% | 0.35% | -0.24% | 0.00% |
| 2026 | 2,310,862 | 3,108,807 | 5,419,670 | 2,505,012 | 3,460,089 | 5,965,101 | 2,699,174 | 3,811,250 | 6,510,424 | -0.04% | -0.57% | -0.34% | 0.39% | -0.17% | 0.07% | 0.76% | 0.12% | 0.38% |
| 2027 | 2,311,227 | 3,091,858 | 5,403,085 | 2,515,412 | 3,452,623 | 5,968,035 | 2,719,462 | 3,816,200 | 6,535,662 | 0.02% | -0.55% | -0.31% | 0.42% | -0.22% | 0.05% | 0.75% | 0.13% | 0.39% |
| 2028 | 2,321,205 | 3,084,883 | 5,406,088 | 2,535,660 | 3,459,230 | 5,994,889 | 2,749,874 | 3,832,832 | 6,582,706 | 0.43% | -0.23% | 0.06% | 0.80% | 0.19% | 0.45% | 1.12% | 0.44% | 0.72% |
| 2029 | 2,315,058 | 3,060,797 | 5,375,855 | 2,537,673 | 3,442,537 | 5,980,210 | 2,760,471 | 3,825,073 | 6,585,545 | -0.26% | -0.78% | -0.56% | 0.08% | -0.48% | -0.24% | 0.39% | -0.20% | 0.04% |
| 2030 | 2,318,182 | 3,046,880 | 5,365,062 | 2,549,583 | 3,438,100 | 5,987,683 | 2,780,895 | 3,829,913 | 6,610,808 | 0.13% | -0.45% | -0.20% | 0.47% | -0.13% | 0.12% | 0.74% | 0.13% | 0.38% |
| 2031 | 2,322,040 | 3,033,564 | 5,355,604 | 2,561,961 | 3,433,660 | 5,995,621 | 2,801,827 | 3,834,547 | 6,636,373 | 0.17% | -0.44% | -0.18% | 0.49% | -0.13% | 0.13% | 0.75% | 0.12% | 0.39% |
| 2032 | 2,336,690 | 3,031,999 | 5,368,689 | 2,585,530 | 3,442,858 | 6,028,388 | 2,834,632 | 3,854,253 | 6,688,886 | 0.63% | -0.05% | 0.24% | 0.92% | 0.27% | 0.55% | 1.17% | 0.51% | 0.79% |
| 2033 | 2,331,658 | 3,008,863 | 5,340,521 | 2,587,470 | 3,426,799 | 6,014,269 | 2,843,299 | 3,843,926 | 6,687,224 | -0.22% | -0.76% | -0.52% | 0.08% | -0.47% | -0.23% | 0.31% | -0.27% | -0.02% |
| 2034 | 2,337,766 | 2,997,523 | 5,335,290 | 2,601,221 | 3,423,207 | 6,024,428 | 2,864,386 | 3,850,089 | 6,714,475 | 0.26% | -0.38% | -0.10% | 0.53% | -0.10% | 0.17% | 0.74% | 0.16% | 0.41% |
| 2035 | 2,345,241 | 2,987,536 | 5,332,777 | 2,616,017 | 3,422,450 | 6,038,466 | 2,886,804 | 3,856,543 | 6,743,347 | 0.32% | -0.33% | -0.05% | 0.57% | -0.02% | 0.23% | 0.78% | 0.17% | 0.43% |
| 2036 | 2,362,478 | 2,988,957 | 5,351,435 | 2,641,621 | 3,432,647 | 6,074,269 | 2,920,785 | 3,876,998 | 6,797,783 | 0.73% | 0.05% | 0.35% | 0.98% | 0.30% | 0.59% | 1.18% | 0.53% | 0.81% |
| 2037 | 2,360,454 | 2,968,618 | 5,329,072 | 2,645,557 | 3,418,905 | 6,064,461 | 2,930,580 | 3,867,700 | 6,798,280 | -0.09% | -0.68% | -0.42% | 0.15% | -0.40% | -0.16% | 0.34% | -0.24% | 0.01% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,363 | 711 | 4,074 | 3,475 | 738 | 4,213 | 3,586 | 765 | 4,351 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,340 | 703 | 4,043 | 3,483 | 735 | 4,218 | 3,627 | 767 | 4,393 | -0.69% | -1.10% | -0.76% | 0.25% | -0.42% | 0.13% | 1.14% | 0.24% | 0.98% |
| 2020 | 3,324 | 696 | 4,020 | 3,493 | 733 | 4,225 | 3,662 | 769 | 4,431 | -0.49% | -0.96% | -0.58% | 0.27% | -0.31% | 0.17% | 0.98% | 0.26% | 0.85% |
| 2021 | 3,311 | 690 | 4,001 | 3,503 | 730 | 4,233 | 3,695 | 770 | 4,465 | -0.37% | -0.97% | -0.47% | 0.29% | -0.30% | 0.19% | 0.89% | 0.22% | 0.77% |
| 2022 | 3,302 | 684 | 3,986 | 3,514 | 728 | 4,242 | 3,726 | 772 | 4,497 | -0.28% | -0.77% | -0.36% | 0.31% | -0.29% | 0.21% | 0.84% | 0.16% | 0.73% |
| 2023 | 3,295 | 679 | 3,975 | 3,526 | 727 | 4,252 | 3,756 | 773 | 4,528 | -0.20% | -0.72% | -0.29% | 0.34% | -0.24% | 0.24% | 0.81% | 0.15% | 0.69% |
| 2024 | 3,291 | 675 | 3,966 | 3,538 | 724 | 4,262 | 3,785 | 774 | 4,559 | -0.14% | -0.66% | -0.23% | 0.36% | -0.36% | 0.24% | 0.79% | 0.14% | 0.68% |
| 2025 | 3,289 | 670 | 3,958 | 3,552 | 722 | 4,274 | 3,815 | 775 | 4,589 | -0.07% | -0.78% | -0.19% | 0.37% | -0.26% | 0.27% | 0.77% | 0.15% | 0.67% |
| 2026 | 3,288 | 666 | 3,953 | 3,566 | 721 | 4,286 | 3,844 | 776 | 4,619 | -0.03% | -0.60% | -0.13% | 0.39% | -0.18% | 0.30% | 0.76% | 0.13% | 0.65% |
| 2027 | 3,288 | 662 | 3,950 | 3,580 | 719 | 4,299 | 3,873 | 777 | 4,650 | 0.02% | -0.58% | -0.08% | 0.42% | -0.23% | 0.31% | 0.75% | 0.14% | 0.65% |
| 2028 | 3,290 | 658 | 3,948 | 3,596 | 718 | 4,314 | 3,902 | 778 | 4,680 | 0.06% | -0.57% | -0.04% | 0.44% | -0.14% | 0.34% | 0.75% | 0.13% | 0.65% |
| 2029 | 3,294 | 655 | 3,948 | 3,612 | 717 | 4,329 | 3,931 | 779 | 4,710 | 0.10% | -0.49% | 0.00% | 0.45% | -0.17% | 0.35% | 0.75% | 0.13% | 0.65% |
| 2030 | 3,298 | 652 | 3,950 | 3,629 | 716 | 4,345 | 3,960 | 780 | 4,741 | 0.13% | -0.47% | 0.03% | 0.47% | -0.14% | 0.37% | 0.75% | 0.15% | 0.65% |
| 2031 | 3,304 | 649 | 3,952 | 3,647 | 715 | 4,362 | 3,990 | 781 | 4,772 | 0.17% | -0.46% | 0.07% | 0.49% | -0.14% | 0.39% | 0.75% | 0.14% | 0.65% |
| 2032 | 3,311 | 646 | 3,956 | 3,665 | 714 | 4,379 | 4,020 | 782 | 4,803 | 0.21% | -0.45% | 0.10% | 0.50% | -0.12% | 0.40% | 0.75% | 0.15% | 0.65% |
| 2033 | 3,318 | 643 | 3,962 | 3,685 | 714 | 4,398 | 4,051 | 784 | 4,834 | 0.23% | -0.39% | 0.13% | 0.52% | -0.07% | 0.43% | 0.75% | 0.15% | 0.66% |
| 2034 | 3,327 | 641 | 3,968 | 3,704 | 713 | 4,417 | 4,081 | 785 | 4,866 | 0.26% | -0.39% | 0.16% | 0.53% | -0.11% | 0.43% | 0.75% | 0.17% | 0.66% |
| 2035 | 3,337 | 638 | 3,975 | 3,724 | 712 | 4,437 | 4,112 | 786 | 4,898 | 0.30% | -0.39% | 0.18% | 0.55% | -0.07% | 0.45% | 0.76% | 0.16% | 0.66% |
| 2036 | 3,347 | 636 | 3,984 | 3,745 | 712 | 4,457 | 4,143 | 788 | 4,931 | 0.31% | -0.34% | 0.21% | 0.56% | -0.07% | 0.46% | 0.76% | 0.17% | 0.66% |
| 2037 | 3,359 | 634 | 3,993 | 3,767 | 712 | 4,478 | 4,174 | 789 | 4,963 | 0.34% | -0.33% | 0.23% | 0.57% | -0.04% | 0.47% | 0.76% | 0.15% | 0.66% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 14.08% |
| Medium: | 6.30% |
| Low: | -2.00% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Bellingham Disctrict

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 31,855,334 | 16,057,729 | 47,913,063 | 32,206,224 | 16,312,007 | 48,518,231 | 32,566,249 | 16,558,260 | 49,124,509 |
| 2019 | 32,189,408 | 16,230,757 | 48,420,165 | 32,684,484 | 16,551,423 | 49,235,907 | 33,166,975 | 16,878,676 | 50,045,650 |
| 2020 | 32,766,027 | 16,417,077 | 49,183,104 | 33,376,796 | 16,807,618 | 50,184,414 | 33,978,786 | 17,184,794 | 51,163,580 |
| 2021 | 32,985,774 | 16,622,917 | 49,608,692 | 33,679,409 | 17,062,375 | 50,741,783 | 34,367,908 | 17,504,745 | 51,872,653 |
| 2022 | 33,423,763 | 16,851,905 | 50,275,669 | 34,196,751 | 17,326,607 | 51,523,358 | 34,974,720 | 17,815,356 | 52,790,076 |
| 2023 | 33,884,084 | 17,081,654 | 50,965,738 | 34,735,321 | 17,613,605 | 52,348,927 | 35,582,089 | 18,142,369 | 53,724,458 |
| 2024 | 34,576,753 | 17,335,928 | 51,912,681 | 35,502,020 | 17,895,337 | 53,397,357 | 36,427,652 | 18,464,167 | 54,891,819 |
| 2025 | 34,887,163 | 17,591,165 | 52,478,327 | 35,869,818 | 18,199,264 | 54,069,082 | 36,857,096 | 18,805,023 | 55,662,120 |
| 2026 | 35,412,832 | 17,860,053 | 53,272,885 | 36,454,959 | 18,499,465 | 54,954,424 | 37,497,427 | 19,140,796 | 56,638,223 |
| 2027 | 35,950,198 | 18,148,497 | 54,098,695 | 37,052,872 | 18,822,920 | 55,875,791 | 38,153,667 | 19,494,197 | 57,647,864 |
| 2028 | 36,723,750 | 18,437,113 | 55,160,862 | 37,882,910 | 19,141,904 | 57,024,814 | 39,048,232 | 19,847,869 | 58,896,101 |
| 2029 | 37,084,347 | 18,749,698 | 55,834,045 | 38,289,876 | 19,481,586 | 57,771,462 | 39,496,246 | 20,216,649 | 59,712,894 |
| 2030 | 37,679,006 | 19,058,689 | 56,737,694 | 38,935,201 | 19,823,218 | 58,758,420 | 40,188,367 | 20,582,507 | 60,770,874 |
| 2031 | 38,288,876 | 19,388,365 | 57,677,240 | 39,590,399 | 20,180,107 | 59,770,506 | 40,893,313 | 20,971,537 | 61,864,850 |
| 2032 | 39,153,870 | 19,718,057 | 58,871,927 | 40,507,502 | 20,535,461 | 61,042,963 | 41,861,910 | 21,353,944 | 63,215,854 |
| 2033 | 39,558,521 | 20,071,296 | 59,629,817 | 40,947,476 | 20,915,071 | 61,862,547 | 42,339,153 | 21,757,656 | 64,096,809 |
| 2034 | 40,216,380 | 20,420,864 | 60,637,244 | 41,647,488 | 21,299,324 | 62,946,812 | 43,087,142 | 22,166,688 | 65,253,830 |
| 2035 | 40,897,286 | 20,789,403 | 61,686,688 | 42,375,130 | 21,682,466 | 64,057,596 | 43,851,142 | 22,579,244 | 66,430,386 |
| 2036 | 41,840,161 | 21,172,135 | 63,012,297 | 43,366,078 | 22,088,261 | 65,454,338 | 44,895,805 | 23,008,034 | 67,903,838 |
| 2037 | 42,290,980 | 21,549,668 | 63,840,647 | 43,848,041 | 22,493,621 | 66,341,662 | 45,402,729 | 23,442,544 | 68,845,273 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.05% | 1.08% | 1.06% | 1.48% | 1.47% | 1.48% | 1.84% | 1.94% | 1.88% |
| 2020 | 1.79% | 1.15% | 1.58% | 2.12% | 1.55% | 1.93% | 2.45% | 1.81% | 2.23% |
| 2021 | 0.67% | 1.25% | 0.87% | 0.91% | 1.52% | 1.11% | 1.15% | 1.86% | 1.39% |
| 2022 | 1.33% | 1.38% | 1.34% | 1.54% | 1.55% | 1.54% | 1.77% | 1.77% | 1.77% |
| 2023 | 1.38% | 1.36% | 1.37% | 1.57% | 1.66% | 1.60% | 1.74% | 1.84% | 1.77% |
| 2024 | 2.04% | 1.49% | 1.86% | 2.21% | 1.60% | 2.00% | 2.38% | 1.77% | 2.17% |
| 2025 | 0.90% | 1.47% | 1.09% | 1.04% | 1.70% | 1.26% | 1.18% | 1.85% | 1.40% |
| 2026 | 1.51% | 1.53% | 1.51% | 1.63% | 1.65% | 1.64% | 1.74% | 1.79% | 1.75% |
| 2027 | 1.52% | 1.62% | 1.55% | 1.64% | 1.75% | 1.68% | 1.75% | 1.85% | 1.78% |
| 2028 | 2.15% | 1.59% | 1.96% | 2.24% | 1.69% | 2.06% | 2.34% | 1.81% | 2.17% |
| 2029 | 0.98% | 1.70% | 1.22% | 1.07% | 1.77% | 1.31% | 1.15% | 1.86% | 1.39% |
| 2030 | 1.60% | 1.65% | 1.62% | 1.69% | 1.75% | 1.71% | 1.75% | 1.81% | 1.77% |
| 2031 | 1.62% | 1.73% | 1.66% | 1.68% | 1.80% | 1.72% | 1.75% | 1.89% | 1.80% |
| 2032 | 2.26% | 1.70% | 2.07% | 2.32% | 1.76% | 2.13% | 2.37% | 1.82% | 2.18% |
| 2033 | 1.03% | 1.79% | 1.29% | 1.09% | 1.85% | 1.34% | 1.14% | 1.89% | 1.39% |
| 2034 | 1.66% | 1.74% | 1.69% | 1.71% | 1.84% | 1.75% | 1.77% | 1.88% | 1.81% |
| 2035 | 1.69% | 1.80% | 1.73% | 1.75% | 1.80% | 1.76% | 1.77% | 1.86% | 1.80% |
| 2036 | 2.31% | 1.84% | 2.15% | 2.34% | 1.87% | 2.18% | 2.38% | 1.90% | 2.22% |
| 2037 | 1.08% | 1.78% | 1.31% | 1.11% | 1.84% | 1.36% | 1.13% | 1.89% | 1.39% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 43,994 | 440,123 | 484,117 | 44,690 | 446,846 | 491,536 | 45,365 | 453,656 | 499,021 |
| 2019 | 44,468 | 446,843 | 491,311 | 45,346 | 453,495 | 498,841 | 46,243 | 460,194 | 506,437 |
| 2020 | 44,978 | 453,783 | 498,761 | 46,048 | 460,357 | 506,405 | 47,082 | 467,034 | 514,116 |
| 2021 | 45,542 | 460,800 | 506,342 | 46,746 | 467,356 | 514,102 | 47,958 | 473,972 | 521,931 |
| 2022 | 46,170 | 467,971 | 514,141 | 47,470 | 474,551 | 522,021 | 48,809 | 481,160 | 529,970 |
| 2023 | 46,799 | 475,591 | 522,390 | 48,256 | 482,140 | 530,396 | 49,705 | 488,767 | 538,472 |
| 2024 | 47,496 | 483,168 | 530,664 | 49,028 | 489,769 | 538,797 | 50,587 | 496,414 | 547,001 |
| 2025 | 48,195 | 491,132 | 539,327 | 49,861 | 497,732 | 547,593 | 51,521 | 504,411 | 555,931 |
| 2026 | 48,932 | 499,146 | 548,078 | 50,683 | 505,794 | 556,478 | 52,441 | 512,511 | 564,951 |
| 2027 | 49,722 | 507,551 | 557,273 | 51,570 | 514,244 | 565,814 | 53,409 | 521,021 | 574,429 |
| 2028 | 50,513 | 515,998 | 566,510 | 52,444 | 522,749 | 575,193 | 54,378 | 529,573 | 583,951 |
| 2029 | 51,369 | 524,729 | 576,098 | 53,374 | 531,553 | 584,928 | 55,388 | 538,446 | 593,834 |
| 2030 | 52,216 | 533,705 | 585,921 | 54,310 | 540,591 | 594,901 | 56,390 | 547,569 | 603,959 |
| 2031 | 53,119 | 542,874 | 595,993 | 55,288 | 549,839 | 605,127 | 57,456 | 556,885 | 614,341 |
| 2032 | 54,022 | 552,147 | 606,169 | 56,262 | 559,198 | 615,459 | 58,504 | 566,327 | 624,831 |
| 2033 | 54,990 | 561,817 | 616,807 | 57,302 | 568,958 | 626,260 | 59,610 | 576,186 | 635,796 |
| 2034 | 55,948 | 571,639 | 627,587 | 58,354 | 578,851 | 637,205 | 60,731 | 586,177 | 646,908 |
| 2035 | 56,957 | 581,533 | 638,490 | 59,404 | 588,872 | 648,276 | 61,861 | 596,286 | 658,147 |
| 2036 | 58,006 | 591,818 | 649,824 | 60,516 | 599,268 | 659,784 | 63,036 | 606,794 | 669,830 |
| 2037 | 59,040 | 602,212 | 661,252 | 61,626 | 609,760 | 671,386 | 64,226 | 617,383 | 681,610 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.08% | 1.53% | 1.49% | 1.47% | 1.49% | 1.49% | 1.94% | 1.44% | 1.49% |
| 2020 | 1.15% | 1.55% | 1.52% | 1.55% | 1.51% | 1.52% | 1.81% | 1.49% | 1.52% |
| 2021 | 1.25% | 1.55% | 1.52% | 1.52% | 1.52% | 1.52% | 1.86% | 1.49% | 1.52% |
| 2022 | 1.38% | 1.56% | 1.54% | 1.55% | 1.54% | 1.54% | 1.77% | 1.52% | 1.54% |
| 2023 | 1.36% | 1.63% | 1.60% | 1.66% | 1.60% | 1.60% | 1.84% | 1.58% | 1.60% |
| 2024 | 1.49% | 1.59% | 1.58% | 1.60% | 1.58% | 1.58% | 1.77% | 1.56% | 1.58% |
| 2025 | 1.47% | 1.65% | 1.63% | 1.70% | 1.63% | 1.63% | 1.85% | 1.61% | 1.63% |
| 2026 | 1.53% | 1.63% | 1.62% | 1.65% | 1.62% | 1.62% | 1.79% | 1.61% | 1.62% |
| 2027 | 1.62% | 1.68% | 1.68% | 1.75% | 1.67% | 1.68% | 1.85% | 1.66% | 1.68% |
| 2028 | 1.59% | 1.66% | 1.66% | 1.69% | 1.65% | 1.66% | 1.81% | 1.64% | 1.66% |
| 2029 | 1.70% | 1.69% | 1.69% | 1.77% | 1.68% | 1.69% | 1.86% | 1.68% | 1.69% |
| 2030 | 1.65% | 1.71% | 1.71% | 1.75% | 1.70% | 1.71% | 1.81% | 1.69% | 1.71% |
| 2031 | 1.73% | 1.72% | 1.72% | 1.80% | 1.71% | 1.72% | 1.89% | 1.70% | 1.72% |
| 2032 | 1.70% | 1.71% | 1.71% | 1.76% | 1.70% | 1.71% | 1.82% | 1.70% | 1.71% |
| 2033 | 1.79% | 1.75% | 1.75% | 1.85% | 1.75% | 1.75% | 1.89% | 1.74% | 1.75% |
| 2034 | 1.74% | 1.75% | 1.75% | 1.84% | 1.74% | 1.75% | 1.88% | 1.73% | 1.75% |
| 2035 | 1.80% | 1.73% | 1.74% | 1.80% | 1.73% | 1.74% | 1.86% | 1.72% | 1.74% |
| 2036 | 1.84% | 1.77% | 1.78% | 1.87% | 1.77% | 1.78% | 1.90% | 1.76% | 1.78% |
| 2037 | 1.78% | 1.76% | 1.76% | 1.84% | 1.75% | 1.76% | 1.89% | 1.75% | 1.76% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 31,361,001 | 16,552,062 | 47,913,063 | 31,623,174 | 16,895,056 | 48,518,231 | 31,878,700 | 17,245,809 | 49,124,509 |
| 2019 | 31,670,569 | 16,749,597 | 48,420,165 | 32,034,202 | 17,201,705 | 49,235,907 | 32,400,155 | 17,645,495 | 50,045,650 |
| 2020 | 32,134,863 | 17,048,240 | 49,183,104 | 32,600,599 | 17,583,815 | 50,184,414 | 33,053,798 | 18,109,783 | 51,163,580 |
| 2021 | 32,363,946 | 17,244,745 | 49,608,692 | 32,902,105 | 17,839,679 | 50,741,783 | 33,432,232 | 18,440,422 | 51,872,653 |
| 2022 | 32,753,386 | 17,522,282 | 50,275,669 | 33,345,290 | 18,178,068 | 51,523,358 | 33,949,325 | 18,840,751 | 52,790,076 |
| 2023 | 33,149,552 | 17,816,186 | 50,965,738 | 33,812,594 | 18,536,333 | 52,348,927 | 34,472,235 | 19,252,223 | 53,724,458 |
| 2024 | 33,712,671 | 18,200,010 | 51,912,681 | 34,421,548 | 18,975,809 | 53,397,357 | 35,141,415 | 19,750,404 | 54,891,819 |
| 2025 | 34,001,497 | 18,476,830 | 52,478,327 | 34,770,193 | 19,298,889 | 54,069,082 | 35,539,669 | 20,122,450 | 55,662,120 |
| 2026 | 34,443,633 | 18,829,253 | 53,272,885 | 35,259,114 | 19,695,310 | 54,954,424 | 36,074,978 | 20,563,245 | 56,638,223 |
| 2027 | 34,909,036 | 19,189,658 | 54,098,695 | 35,769,524 | 20,106,267 | 55,875,791 | 36,630,710 | 21,017,154 | 57,647,864 |
| 2028 | 35,517,840 | 19,643,022 | 55,160,862 | 36,424,203 | 20,600,611 | 57,024,814 | 37,332,162 | 21,563,938 | 58,896,101 |
| 2029 | 35,869,761 | 19,964,283 | 55,834,045 | 36,814,780 | 20,956,682 | 57,771,462 | 37,757,974 | 21,954,920 | 59,712,894 |
| 2030 | 36,364,492 | 20,373,202 | 56,737,694 | 37,347,714 | 21,410,706 | 58,758,420 | 38,329,598 | 22,441,276 | 60,770,874 |
| 2031 | 36,883,620 | 20,793,620 | 57,677,240 | 37,903,086 | 21,867,420 | 59,770,506 | 38,922,546 | 22,942,304 | 61,864,850 |
| 2032 | 37,555,537 | 21,316,390 | 58,871,927 | 38,615,093 | 22,427,870 | 61,042,963 | 39,674,968 | 23,540,886 | 63,215,854 |
| 2033 | 37,943,704 | 21,686,112 | 59,629,817 | 39,033,834 | 22,828,714 | 61,862,547 | 40,125,100 | 23,971,710 | 64,096,809 |
| 2034 | 38,487,320 | 22,149,924 | 60,637,244 | 39,618,069 | 23,328,742 | 62,946,812 | 40,747,548 | 24,506,283 | 65,253,830 |
| 2035 | 39,056,872 | 22,629,817 | 61,686,688 | 40,214,815 | 23,842,781 | 64,057,596 | 41,370,895 | 25,059,490 | 66,430,386 |
| 2036 | 39,796,066 | 23,216,231 | 63,012,297 | 40,992,028 | 24,462,311 | 65,454,338 | 42,185,076 | 25,718,762 | 67,903,838 |
| 2037 | 40,216,992 | 23,623,655 | 63,840,647 | 41,436,519 | 24,905,144 | 66,341,662 | 42,658,430 | 26,186,842 | 68,845,273 |

Annual Change

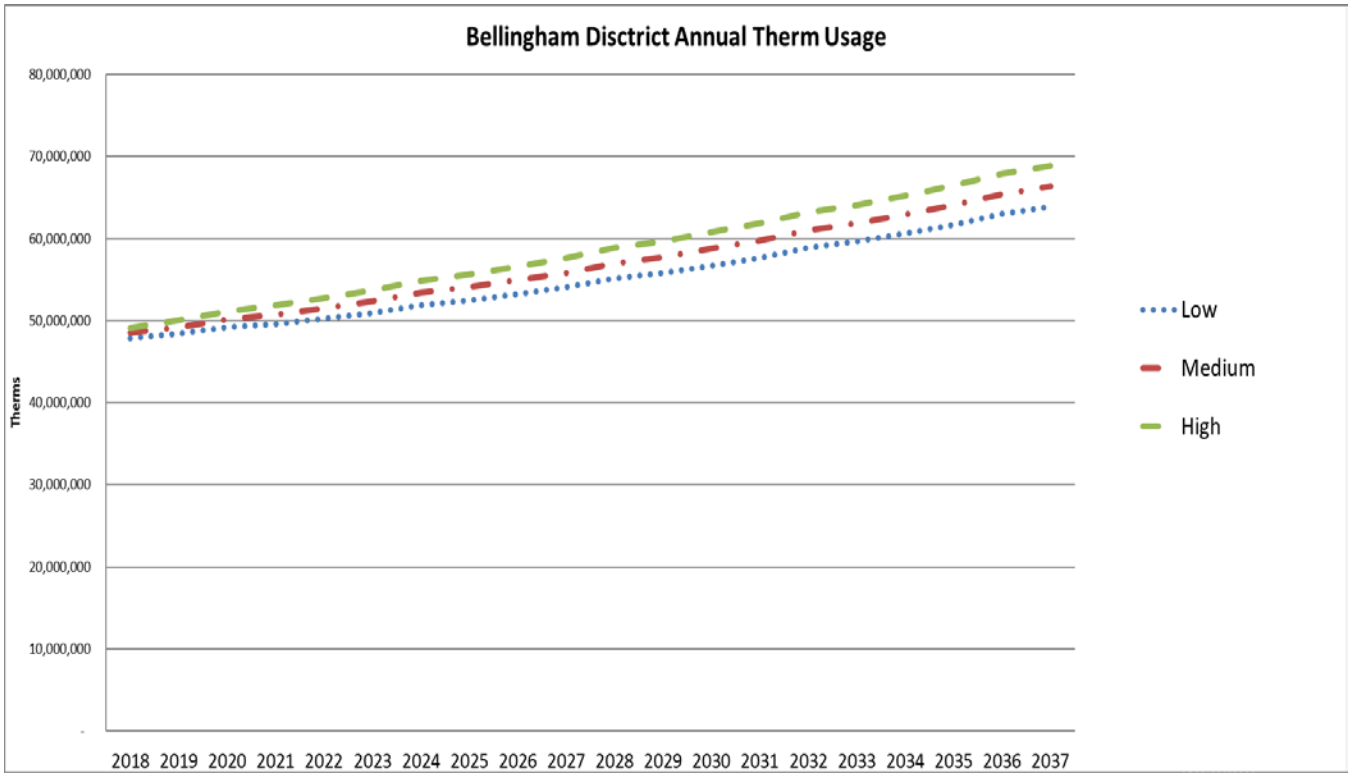
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.99% | 1.19% | 1.06% | 1.30% | 1.82% | 1.48% | 1.64% | 2.32% | 1.88% |
| 2020 | 1.47% | 1.78% | 1.58% | 1.77% | 2.22% | 1.93% | 2.02% | 2.63% | 2.23% |
| 2021 | 0.71% | 1.15% | 0.87% | 0.92% | 1.46% | 1.11% | 1.14% | 1.83% | 1.39% |
| 2022 | 1.20% | 1.61% | 1.34% | 1.35% | 1.90% | 1.54% | 1.55% | 2.17% | 1.77% |
| 2023 | 1.21% | 1.68% | 1.37% | 1.40% | 1.97% | 1.60% | 1.54% | 2.18% | 1.77% |
| 2024 | 1.70% | 2.15% | 1.86% | 1.80% | 2.37% | 2.00% | 1.94% | 2.59% | 2.17% |
| 2025 | 0.86% | 1.52% | 1.09% | 1.01% | 1.70% | 1.26% | 1.13% | 1.88% | 1.40% |
| 2026 | 1.30% | 1.91% | 1.51% | 1.41% | 2.05% | 1.64% | 1.51% | 2.19% | 1.75% |
| 2027 | 1.35% | 1.91% | 1.55% | 1.45% | 2.09% | 1.68% | 1.54% | 2.21% | 1.78% |
| 2028 | 1.74% | 2.36% | 1.96% | 1.83% | 2.46% | 2.06% | 1.91% | 2.60% | 2.17% |
| 2029 | 0.99% | 1.64% | 1.22% | 1.07% | 1.73% | 1.31% | 1.14% | 1.81% | 1.39% |
| 2030 | 1.38% | 2.05% | 1.62% | 1.45% | 2.17% | 1.71% | 1.51% | 2.22% | 1.77% |
| 2031 | 1.43% | 2.06% | 1.66% | 1.49% | 2.13% | 1.72% | 1.55% | 2.23% | 1.80% |
| 2032 | 1.82% | 2.51% | 2.07% | 1.88% | 2.56% | 2.13% | 1.93% | 2.61% | 2.18% |
| 2033 | 1.03% | 1.73% | 1.29% | 1.08% | 1.79% | 1.34% | 1.13% | 1.83% | 1.39% |
| 2034 | 1.43% | 2.14% | 1.69% | 1.50% | 2.19% | 1.75% | 1.55% | 2.23% | 1.81% |
| 2035 | 1.48% | 2.17% | 1.73% | 1.51% | 2.20% | 1.76% | 1.53% | 2.26% | 1.80% |
| 2036 | 1.89% | 2.59% | 2.15% | 1.93% | 2.60% | 2.18% | 1.97% | 2.63% | 2.22% |
| 2037 | 1.06% | 1.75% | 1.31% | 1.08% | 1.81% | 1.36% | 1.12% | 1.82% | 1.39% |

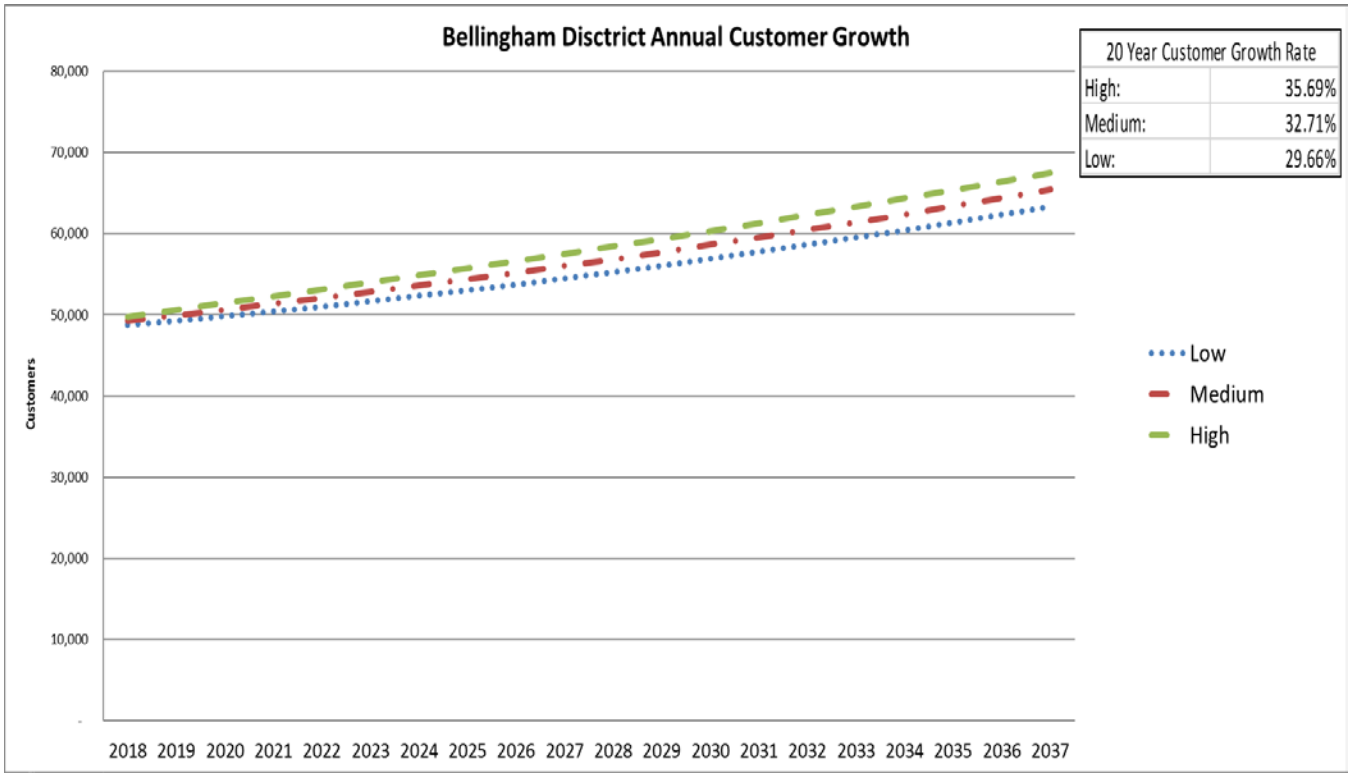
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 43,666 | 5,136 | 48,802 | 44,034 | 5,250 | 49,284 | 44,400 | 5,365 | 49,765 |
| 2019 | 44,096 | 5,190 | 49,287 | 44,612 | 5,339 | 49,950 | 45,128 | 5,486 | 50,614 |
| 2020 | 44,568 | 5,256 | 49,825 | 45,209 | 5,431 | 50,640 | 45,849 | 5,605 | 51,454 |
| 2021 | 45,076 | 5,330 | 50,406 | 45,822 | 5,528 | 51,349 | 46,567 | 5,725 | 52,291 |
| 2022 | 45,612 | 5,411 | 51,023 | 46,449 | 5,629 | 52,077 | 47,287 | 5,847 | 53,134 |
| 2023 | 46,170 | 5,498 | 51,668 | 47,092 | 5,734 | 52,827 | 48,014 | 5,972 | 53,986 |
| 2024 | 46,753 | 5,590 | 52,343 | 47,751 | 5,844 | 53,595 | 48,748 | 6,098 | 54,847 |
| 2025 | 47,356 | 5,689 | 53,044 | 48,424 | 5,960 | 54,384 | 49,494 | 6,231 | 55,724 |
| 2026 | 47,977 | 5,792 | 53,770 | 49,113 | 6,078 | 55,191 | 50,248 | 6,364 | 56,612 |
| 2027 | 48,619 | 5,901 | 54,520 | 49,817 | 6,202 | 56,020 | 51,016 | 6,503 | 57,519 |
| 2028 | 49,280 | 6,015 | 55,295 | 50,537 | 6,329 | 56,866 | 51,796 | 6,645 | 58,441 |
| 2029 | 49,958 | 6,134 | 56,092 | 51,275 | 6,461 | 57,737 | 52,590 | 6,790 | 59,380 |
| 2030 | 50,655 | 6,257 | 56,913 | 52,026 | 6,599 | 58,625 | 53,396 | 6,938 | 60,334 |
| 2031 | 51,372 | 6,385 | 57,757 | 52,794 | 6,739 | 59,533 | 54,217 | 7,093 | 61,309 |
| 2032 | 52,104 | 6,519 | 58,623 | 53,577 | 6,883 | 60,460 | 55,050 | 7,249 | 62,299 |
| 2033 | 52,854 | 6,657 | 59,512 | 54,377 | 7,034 | 61,410 | 55,898 | 7,410 | 63,309 |
| 2034 | 53,621 | 6,800 | 60,421 | 55,191 | 7,188 | 62,379 | 56,761 | 7,575 | 64,336 |
| 2035 | 54,406 | 6,946 | 61,352 | 56,021 | 7,345 | 63,367 | 57,637 | 7,745 | 65,382 |
| 2036 | 55,207 | 7,099 | 62,306 | 56,867 | 7,507 | 64,374 | 58,528 | 7,918 | 66,446 |
| 2037 | 56,024 | 7,254 | 63,278 | 57,729 | 7,675 | 65,405 | 59,433 | 8,095 | 67,529 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 1.06% | 0.99% | 1.31% | 1.69% | 1.35% | 1.64% | 2.25% | 1.71% |
| 2020 | 1.07% | 1.27% | 1.09% | 1.34% | 1.73% | 1.38% | 1.60% | 2.17% | 1.66% |
| 2021 | 1.14% | 1.41% | 1.17% | 1.36% | 1.78% | 1.40% | 1.57% | 2.14% | 1.63% |
| 2022 | 1.19% | 1.52% | 1.23% | 1.37% | 1.83% | 1.42% | 1.55% | 2.13% | 1.61% |
| 2023 | 1.22% | 1.59% | 1.26% | 1.39% | 1.88% | 1.44% | 1.54% | 2.14% | 1.60% |
| 2024 | 1.26% | 1.69% | 1.31% | 1.40% | 1.92% | 1.45% | 1.53% | 2.13% | 1.59% |
| 2025 | 1.29% | 1.76% | 1.34% | 1.41% | 1.98% | 1.47% | 1.53% | 2.17% | 1.60% |
| 2026 | 1.31% | 1.82% | 1.37% | 1.42% | 1.99% | 1.48% | 1.52% | 2.14% | 1.59% |
| 2027 | 1.34% | 1.88% | 1.40% | 1.43% | 2.04% | 1.50% | 1.53% | 2.18% | 1.60% |
| 2028 | 1.36% | 1.93% | 1.42% | 1.44% | 2.04% | 1.51% | 1.53% | 2.18% | 1.60% |
| 2029 | 1.38% | 1.97% | 1.44% | 1.46% | 2.09% | 1.53% | 1.53% | 2.18% | 1.61% |
| 2030 | 1.39% | 2.02% | 1.46% | 1.46% | 2.12% | 1.54% | 1.53% | 2.19% | 1.61% |
| 2031 | 1.41% | 2.04% | 1.48% | 1.48% | 2.13% | 1.55% | 1.54% | 2.22% | 1.62% |
| 2032 | 1.42% | 2.10% | 1.50% | 1.48% | 2.15% | 1.56% | 1.54% | 2.20% | 1.61% |
| 2033 | 1.44% | 2.12% | 1.52% | 1.49% | 2.18% | 1.57% | 1.54% | 2.23% | 1.62% |
| 2034 | 1.45% | 2.14% | 1.53% | 1.50% | 2.19% | 1.58% | 1.54% | 2.22% | 1.62% |
| 2035 | 1.46% | 2.15% | 1.54% | 1.50% | 2.19% | 1.58% | 1.54% | 2.25% | 1.63% |
| 2036 | 1.47% | 2.20% | 1.55% | 1.51% | 2.20% | 1.59% | 1.55% | 2.23% | 1.63% |
| 2037 | 1.48% | 2.18% | 1.56% | 1.52% | 2.24% | 1.60% | 1.55% | 2.24% | 1.63% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.69% |
| Medium: | 32.71% |
| Low: | 29.66% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Bremerton District

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 22,316,256 | 11,860,575 | 34,176,831 | 22,765,813 | 12,106,067 | 34,871,880 | 23,214,498 | 12,351,742 | 35,566,240 |
| 2019 | 22,473,348 | 11,934,657 | 34,408,005 | 23,063,935 | 12,247,140 | 35,311,075 | 23,655,747 | 12,559,622 | 36,215,369 |
| 2020 | 22,783,589 | 11,918,109 | 34,701,698 | 23,493,866 | 12,284,503 | 35,778,369 | 24,203,342 | 12,652,597 | 36,855,940 |
| 2021 | 22,864,313 | 12,021,148 | 34,885,461 | 23,668,235 | 12,435,123 | 36,103,358 | 24,471,917 | 12,849,099 | 37,321,016 |
| 2022 | 23,099,918 | 12,132,949 | 35,232,868 | 23,991,836 | 12,589,092 | 36,580,927 | 24,881,789 | 13,046,751 | 37,928,540 |
| 2023 | 23,353,706 | 12,252,599 | 35,606,304 | 24,324,386 | 12,747,925 | 37,072,312 | 25,295,184 | 13,243,069 | 38,538,253 |
| 2024 | 23,766,548 | 12,378,578 | 36,145,125 | 24,815,417 | 12,911,624 | 37,727,041 | 25,867,060 | 13,442,787 | 39,309,847 |
| 2025 | 23,903,823 | 12,513,555 | 36,417,379 | 25,017,102 | 13,078,488 | 38,095,591 | 26,130,447 | 13,643,605 | 39,774,051 |
| 2026 | 24,198,352 | 12,652,614 | 36,850,966 | 25,374,569 | 13,251,918 | 38,626,487 | 26,554,774 | 13,848,188 | 40,402,962 |
| 2027 | 24,506,249 | 12,798,787 | 37,305,036 | 25,744,552 | 13,426,996 | 39,171,548 | 26,982,421 | 14,055,388 | 41,037,809 |
| 2028 | 24,971,334 | 12,950,558 | 37,921,892 | 26,276,438 | 13,607,122 | 39,883,560 | 27,578,810 | 14,265,203 | 41,844,013 |
| 2029 | 25,151,977 | 13,109,443 | 38,261,420 | 26,507,458 | 13,792,296 | 40,299,754 | 27,858,718 | 14,478,001 | 42,336,718 |
| 2030 | 25,502,171 | 13,378,918 | 38,881,089 | 26,909,330 | 14,089,028 | 40,998,358 | 28,314,103 | 14,800,655 | 43,114,757 |
| 2031 | 25,862,557 | 13,548,450 | 39,411,007 | 27,321,892 | 14,283,933 | 41,605,825 | 28,779,187 | 15,020,750 | 43,799,937 |
| 2032 | 26,383,682 | 13,721,697 | 40,105,378 | 27,899,658 | 14,483,704 | 42,383,362 | 29,416,957 | 15,245,344 | 44,662,301 |
| 2033 | 26,595,310 | 13,900,358 | 40,495,668 | 28,150,821 | 14,686,822 | 42,837,643 | 29,707,552 | 15,471,587 | 45,179,138 |
| 2034 | 26,975,987 | 14,085,401 | 41,061,389 | 28,578,670 | 14,894,807 | 43,473,476 | 30,181,958 | 15,702,328 | 45,884,287 |
| 2035 | 27,369,892 | 14,274,342 | 41,644,235 | 29,018,565 | 15,105,956 | 44,124,521 | 30,665,722 | 15,937,569 | 46,603,291 |
| 2036 | 27,939,612 | 14,468,332 | 42,407,944 | 29,642,705 | 15,321,970 | 44,964,675 | 31,344,248 | 16,175,792 | 47,520,040 |
| 2037 | 28,182,176 | 14,668,887 | 42,851,064 | 29,918,025 | 15,543,033 | 45,461,059 | 31,653,317 | 16,418,514 | 48,071,831 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.70% | 0.62% | 0.68% | 1.31% | 1.17% | 1.26% | 1.90% | 1.68% | 1.83% |
| 2020 | 1.38% | -0.14% | 0.85% | 1.86% | 0.31% | 1.32% | 2.31% | 0.74% | 1.77% |
| 2021 | 0.35% | 0.86% | 0.53% | 0.74% | 1.23% | 0.91% | 1.11% | 1.55% | 1.26% |
| 2022 | 1.03% | 0.93% | 1.00% | 1.37% | 1.24% | 1.32% | 1.67% | 1.54% | 1.63% |
| 2023 | 1.10% | 0.99% | 1.06% | 1.39% | 1.26% | 1.34% | 1.66% | 1.50% | 1.61% |
| 2024 | 1.77% | 1.03% | 1.51% | 2.02% | 1.28% | 1.77% | 2.26% | 1.51% | 2.00% |
| 2025 | 0.58% | 1.09% | 0.75% | 0.81% | 1.29% | 0.98% | 1.02% | 1.49% | 1.18% |
| 2026 | 1.23% | 1.11% | 1.19% | 1.43% | 1.33% | 1.39% | 1.62% | 1.50% | 1.58% |
| 2027 | 1.27% | 1.16% | 1.23% | 1.46% | 1.32% | 1.41% | 1.61% | 1.50% | 1.57% |
| 2028 | 1.90% | 1.19% | 1.65% | 2.07% | 1.34% | 1.82% | 2.21% | 1.49% | 1.96% |
| 2029 | 0.72% | 1.23% | 0.90% | 0.88% | 1.36% | 1.04% | 1.01% | 1.49% | 1.18% |
| 2030 | 1.39% | 2.06% | 1.62% | 1.52% | 2.15% | 1.73% | 1.63% | 2.23% | 1.84% |
| 2031 | 1.41% | 1.27% | 1.36% | 1.53% | 1.38% | 1.48% | 1.64% | 1.49% | 1.59% |
| 2032 | 2.01% | 1.28% | 1.76% | 2.11% | 1.40% | 1.87% | 2.22% | 1.50% | 1.97% |
| 2033 | 0.80% | 1.30% | 0.97% | 0.90% | 1.40% | 1.07% | 0.99% | 1.48% | 1.16% |
| 2034 | 1.43% | 1.33% | 1.40% | 1.52% | 1.42% | 1.48% | 1.60% | 1.49% | 1.56% |
| 2035 | 1.46% | 1.34% | 1.42% | 1.54% | 1.42% | 1.50% | 1.60% | 1.50% | 1.57% |
| 2036 | 2.08% | 1.36% | 1.83% | 2.15% | 1.43% | 1.90% | 2.21% | 1.49% | 1.97% |
| 2037 | 0.87% | 1.39% | 1.04% | 0.93% | 1.44% | 1.10% | 0.99% | 1.50% | 1.16% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 32,495 | 291,587 | 324,082 | 33,167 | 295,881 | 329,048 | 33,840 | 300,218 | 334,059 |
| 2019 | 32,698 | 295,652 | 328,350 | 33,554 | 299,828 | 333,382 | 34,410 | 304,049 | 338,458 |
| 2020 | 32,652 | 299,481 | 332,133 | 33,656 | 303,567 | 337,223 | 34,665 | 307,693 | 342,358 |
| 2021 | 32,935 | 303,724 | 336,658 | 34,069 | 307,749 | 341,818 | 35,203 | 311,820 | 347,023 |
| 2022 | 33,241 | 308,068 | 341,309 | 34,491 | 312,049 | 346,540 | 35,745 | 316,072 | 351,816 |
| 2023 | 33,569 | 312,529 | 346,098 | 34,926 | 316,477 | 351,402 | 36,282 | 320,471 | 356,753 |
| 2024 | 33,914 | 317,085 | 350,999 | 35,374 | 321,004 | 356,379 | 36,830 | 324,976 | 361,805 |
| 2025 | 34,284 | 321,769 | 356,052 | 35,831 | 325,678 | 361,509 | 37,380 | 329,634 | 367,014 |
| 2026 | 34,665 | 326,506 | 361,171 | 36,307 | 330,399 | 366,706 | 37,940 | 334,349 | 372,290 |
| 2027 | 35,065 | 331,416 | 366,481 | 36,786 | 335,311 | 372,098 | 38,508 | 339,256 | 377,764 |
| 2028 | 35,481 | 336,456 | 371,937 | 37,280 | 340,357 | 377,637 | 39,083 | 344,305 | 383,387 |
| 2029 | 35,916 | 341,555 | 377,471 | 37,787 | 345,469 | 383,256 | 39,666 | 349,426 | 389,092 |
| 2030 | 36,655 | 346,529 | 383,184 | 38,600 | 350,457 | 389,057 | 40,550 | 354,431 | 394,981 |
| 2031 | 37,119 | 351,869 | 388,988 | 39,134 | 355,816 | 394,950 | 41,153 | 359,811 | 400,964 |
| 2032 | 37,594 | 357,331 | 394,925 | 39,681 | 361,296 | 400,978 | 41,768 | 365,315 | 407,083 |
| 2033 | 38,083 | 363,500 | 401,584 | 40,238 | 367,500 | 407,738 | 42,388 | 371,559 | 413,947 |
| 2034 | 38,590 | 369,188 | 407,778 | 40,808 | 373,220 | 414,027 | 43,020 | 377,312 | 420,332 |
| 2035 | 39,108 | 375,009 | 414,117 | 41,386 | 379,078 | 420,464 | 43,665 | 383,202 | 426,866 |
| 2036 | 39,639 | 380,969 | 420,609 | 41,978 | 385,077 | 427,055 | 44,317 | 389,241 | 433,558 |
| 2037 | 40,189 | 386,956 | 427,145 | 42,584 | 391,108 | 433,691 | 44,982 | 395,313 | 440,295 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.62% | 1.39% | 1.32% | 1.17% | 1.33% | 1.32% | 1.68% | 1.28% | 1.32% |
| 2020 | -0.14% | 1.29% | 1.15% | 0.31% | 1.25% | 1.15% | 0.74% | 1.20% | 1.15% |
| 2021 | 0.86% | 1.42% | 1.36% | 1.23% | 1.38% | 1.36% | 1.55% | 1.34% | 1.36% |
| 2022 | 0.93% | 1.43% | 1.38% | 1.24% | 1.40% | 1.38% | 1.54% | 1.36% | 1.38% |
| 2023 | 0.99% | 1.45% | 1.40% | 1.26% | 1.42% | 1.40% | 1.50% | 1.39% | 1.40% |
| 2024 | 1.03% | 1.46% | 1.42% | 1.28% | 1.43% | 1.42% | 1.51% | 1.41% | 1.42% |
| 2025 | 1.09% | 1.48% | 1.44% | 1.29% | 1.46% | 1.44% | 1.49% | 1.43% | 1.44% |
| 2026 | 1.11% | 1.47% | 1.44% | 1.33% | 1.45% | 1.44% | 1.50% | 1.43% | 1.44% |
| 2027 | 1.16% | 1.50% | 1.47% | 1.32% | 1.49% | 1.47% | 1.50% | 1.47% | 1.47% |
| 2028 | 1.19% | 1.52% | 1.49% | 1.34% | 1.50% | 1.49% | 1.49% | 1.49% | 1.49% |
| 2029 | 1.23% | 1.52% | 1.49% | 1.36% | 1.50% | 1.49% | 1.49% | 1.49% | 1.49% |
| 2030 | 2.06% | 1.46% | 1.51% | 2.15% | 1.44% | 1.51% | 2.23% | 1.43% | 1.51% |
| 2031 | 1.27% | 1.54% | 1.51% | 1.38% | 1.53% | 1.51% | 1.49% | 1.52% | 1.51% |
| 2032 | 1.28% | 1.55% | 1.53% | 1.40% | 1.54% | 1.53% | 1.50% | 1.53% | 1.53% |
| 2033 | 1.30% | 1.73% | 1.69% | 1.40% | 1.72% | 1.69% | 1.48% | 1.71% | 1.69% |
| 2034 | 1.33% | 1.56% | 1.54% | 1.42% | 1.56% | 1.54% | 1.49% | 1.55% | 1.54% |
| 2035 | 1.34% | 1.58% | 1.55% | 1.42% | 1.57% | 1.55% | 1.50% | 1.56% | 1.55% |
| 2036 | 1.36% | 1.59% | 1.57% | 1.43% | 1.58% | 1.57% | 1.49% | 1.58% | 1.57% |
| 2037 | 1.39% | 1.57% | 1.55% | 1.44% | 1.57% | 1.55% | 1.50% | 1.56% | 1.55% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 21,263,426 | 12,913,405 | 34,176,831 | 21,638,788 | 13,233,092 | 34,871,880 | 22,014,113 | 13,552,127 | 35,566,240 |
| 2019 | 21,438,521 | 12,969,485 | 34,408,005 | 21,930,575 | 13,380,500 | 35,311,075 | 22,422,724 | 13,792,646 | 36,215,369 |
| 2020 | 21,732,189 | 12,969,509 | 34,701,698 | 22,320,591 | 13,457,778 | 35,778,369 | 22,909,610 | 13,946,330 | 36,855,940 |
| 2021 | 21,866,011 | 13,019,450 | 34,885,461 | 22,533,580 | 13,569,778 | 36,103,358 | 23,200,812 | 14,120,204 | 37,321,016 |
| 2022 | 22,104,339 | 13,128,528 | 35,232,868 | 22,843,697 | 13,737,231 | 36,580,927 | 23,583,258 | 14,345,282 | 37,928,540 |
| 2023 | 22,356,173 | 13,250,131 | 35,606,304 | 23,161,499 | 13,910,813 | 37,072,312 | 23,966,721 | 14,571,532 | 38,538,253 |
| 2024 | 22,714,656 | 13,430,469 | 36,145,125 | 23,584,051 | 14,142,989 | 37,727,041 | 24,453,660 | 14,856,188 | 39,309,847 |
| 2025 | 22,895,036 | 13,522,343 | 36,417,379 | 23,817,871 | 14,277,720 | 38,095,591 | 24,740,752 | 15,033,300 | 39,774,051 |
| 2026 | 23,179,556 | 13,671,410 | 36,850,966 | 24,155,729 | 14,470,759 | 38,626,487 | 25,132,113 | 15,270,850 | 40,402,962 |
| 2027 | 23,473,392 | 13,831,644 | 37,305,036 | 24,500,295 | 14,671,253 | 39,171,548 | 25,527,314 | 15,510,496 | 41,037,809 |
| 2028 | 23,872,778 | 14,049,114 | 37,921,892 | 24,952,307 | 14,931,253 | 39,883,560 | 26,032,041 | 15,811,972 | 41,844,013 |
| 2029 | 24,088,324 | 14,173,096 | 38,261,420 | 25,209,950 | 15,089,803 | 40,299,754 | 26,331,353 | 16,005,365 | 42,336,718 |
| 2030 | 24,408,992 | 14,472,098 | 38,881,089 | 25,574,832 | 15,423,526 | 40,998,358 | 26,740,779 | 16,373,978 | 43,114,757 |
| 2031 | 24,738,058 | 14,672,950 | 39,411,007 | 25,946,634 | 15,659,190 | 41,605,825 | 27,155,097 | 16,644,839 | 43,799,937 |
| 2032 | 25,179,029 | 14,926,349 | 40,105,378 | 26,434,176 | 15,949,186 | 42,383,362 | 27,688,960 | 16,973,341 | 44,662,301 |
| 2033 | 25,419,450 | 15,076,218 | 40,495,668 | 26,709,333 | 16,128,310 | 42,837,643 | 27,999,102 | 17,180,037 | 45,179,138 |
| 2034 | 25,772,711 | 15,288,678 | 41,061,389 | 27,101,199 | 16,372,278 | 43,473,476 | 28,429,699 | 17,454,587 | 45,884,287 |
| 2035 | 26,134,811 | 15,509,424 | 41,644,235 | 27,500,840 | 16,623,681 | 44,124,521 | 28,867,098 | 17,736,193 | 46,603,291 |
| 2036 | 26,612,889 | 15,795,055 | 42,407,944 | 28,021,513 | 16,943,162 | 44,964,675 | 29,430,295 | 18,089,745 | 47,520,040 |
| 2037 | 26,879,180 | 15,971,884 | 42,851,064 | 28,317,866 | 17,143,193 | 45,461,059 | 29,756,472 | 18,315,359 | 48,071,831 |

Annual Change

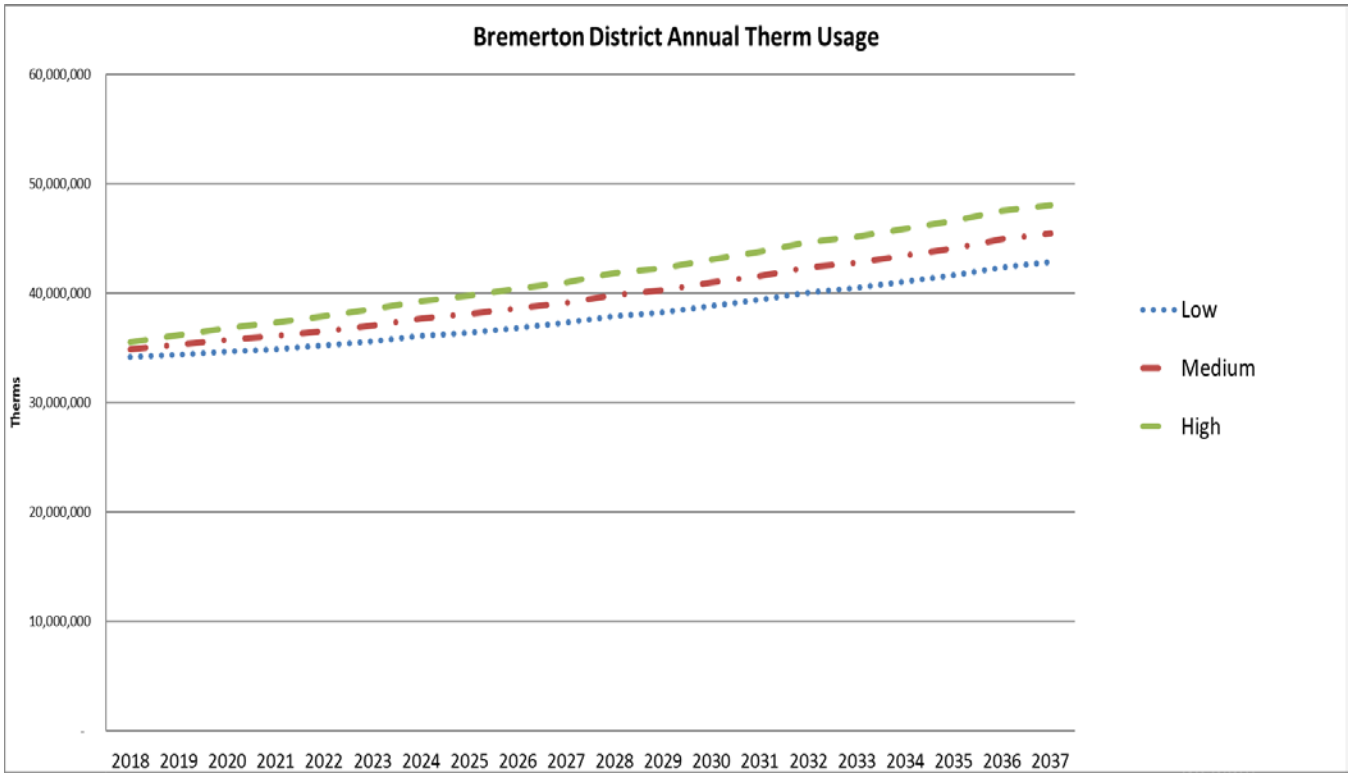
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.82% | 0.43% | 0.68% | 1.35% | 1.11% | 1.26% | 1.86% | 1.77% | 1.83% |
| 2020 | 1.37% | 0.00% | 0.85% | 1.78% | 0.58% | 1.32% | 2.17% | 1.11% | 1.77% |
| 2021 | 0.62% | 0.39% | 0.53% | 0.95% | 0.83% | 0.91% | 1.27% | 1.25% | 1.26% |
| 2022 | 1.09% | 0.84% | 1.00% | 1.38% | 1.23% | 1.32% | 1.65% | 1.59% | 1.63% |
| 2023 | 1.14% | 0.93% | 1.06% | 1.39% | 1.26% | 1.34% | 1.63% | 1.58% | 1.61% |
| 2024 | 1.60% | 1.36% | 1.51% | 1.82% | 1.67% | 1.77% | 2.03% | 1.95% | 2.00% |
| 2025 | 0.79% | 0.68% | 0.75% | 0.99% | 0.95% | 0.98% | 1.17% | 1.19% | 1.18% |
| 2026 | 1.24% | 1.10% | 1.19% | 1.42% | 1.35% | 1.39% | 1.58% | 1.58% | 1.58% |
| 2027 | 1.27% | 1.17% | 1.23% | 1.43% | 1.39% | 1.41% | 1.57% | 1.57% | 1.57% |
| 2028 | 1.70% | 1.57% | 1.65% | 1.84% | 1.77% | 1.82% | 1.98% | 1.94% | 1.96% |
| 2029 | 0.90% | 0.88% | 0.90% | 1.03% | 1.06% | 1.04% | 1.15% | 1.22% | 1.18% |
| 2030 | 1.33% | 2.11% | 1.62% | 1.45% | 2.21% | 1.73% | 1.55% | 2.30% | 1.84% |
| 2031 | 1.35% | 1.39% | 1.36% | 1.45% | 1.53% | 1.48% | 1.55% | 1.65% | 1.59% |
| 2032 | 1.78% | 1.73% | 1.76% | 1.88% | 1.85% | 1.87% | 1.97% | 1.97% | 1.97% |
| 2033 | 0.95% | 1.00% | 0.97% | 1.04% | 1.12% | 1.07% | 1.12% | 1.22% | 1.16% |
| 2034 | 1.39% | 1.41% | 1.40% | 1.47% | 1.51% | 1.48% | 1.54% | 1.60% | 1.56% |
| 2035 | 1.40% | 1.44% | 1.42% | 1.47% | 1.54% | 1.50% | 1.54% | 1.61% | 1.57% |
| 2036 | 1.83% | 1.84% | 1.83% | 1.89% | 1.92% | 1.90% | 1.95% | 1.99% | 1.97% |
| 2037 | 1.00% | 1.12% | 1.04% | 1.06% | 1.18% | 1.10% | 1.11% | 1.25% | 1.16% |

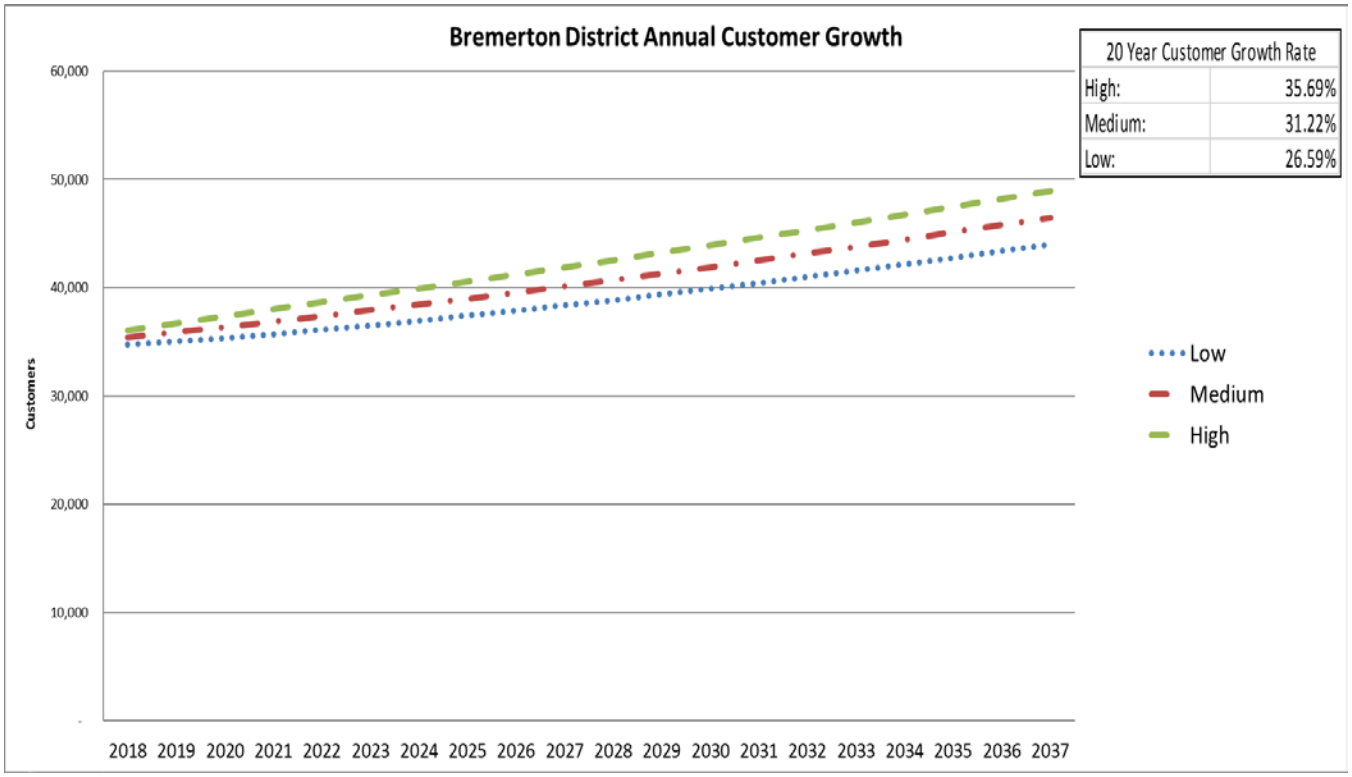
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 31,804 | 2,970 | 34,775 | 32,374 | 3,057 | 35,431 | 32,943 | 3,143 | 36,087 |
| 2019 | 32,069 | 2,986 | 35,054 | 32,811 | 3,097 | 35,908 | 33,553 | 3,208 | 36,761 |
| 2020 | 32,376 | 3,006 | 35,382 | 33,258 | 3,137 | 36,395 | 34,141 | 3,268 | 37,409 |
| 2021 | 32,711 | 3,032 | 35,744 | 33,715 | 3,180 | 36,895 | 34,718 | 3,328 | 38,047 |
| 2022 | 33,071 | 3,062 | 36,132 | 34,181 | 3,225 | 37,407 | 35,293 | 3,389 | 38,682 |
| 2023 | 33,448 | 3,094 | 36,543 | 34,658 | 3,272 | 37,930 | 35,868 | 3,450 | 39,317 |
| 2024 | 33,844 | 3,129 | 36,974 | 35,144 | 3,320 | 38,465 | 36,445 | 3,511 | 39,956 |
| 2025 | 34,255 | 3,167 | 37,423 | 35,641 | 3,370 | 39,011 | 37,026 | 3,573 | 40,599 |
| 2026 | 34,682 | 3,208 | 37,890 | 36,147 | 3,422 | 39,569 | 37,612 | 3,637 | 41,249 |
| 2027 | 35,123 | 3,251 | 38,373 | 36,664 | 3,476 | 40,140 | 38,205 | 3,702 | 41,906 |
| 2028 | 35,577 | 3,295 | 38,873 | 37,190 | 3,531 | 40,722 | 38,804 | 3,767 | 42,571 |
| 2029 | 36,045 | 3,342 | 39,387 | 37,727 | 3,588 | 41,316 | 39,410 | 3,834 | 43,244 |
| 2030 | 36,526 | 3,393 | 39,918 | 38,274 | 3,648 | 41,922 | 40,023 | 3,903 | 43,927 |
| 2031 | 37,019 | 3,444 | 40,463 | 38,832 | 3,708 | 42,540 | 40,644 | 3,973 | 44,618 |
| 2032 | 37,525 | 3,497 | 41,022 | 39,399 | 3,771 | 43,170 | 41,274 | 4,044 | 45,318 |
| 2033 | 38,043 | 3,552 | 41,595 | 39,977 | 3,835 | 43,812 | 41,911 | 4,117 | 46,028 |
| 2034 | 38,572 | 3,609 | 42,181 | 40,565 | 3,900 | 44,465 | 42,557 | 4,191 | 46,747 |
| 2035 | 39,113 | 3,668 | 42,782 | 41,162 | 3,967 | 45,129 | 43,211 | 4,266 | 47,477 |
| 2036 | 39,666 | 3,729 | 43,395 | 41,769 | 4,036 | 45,805 | 43,873 | 4,343 | 48,216 |
| 2037 | 40,229 | 3,792 | 44,022 | 42,386 | 4,107 | 46,493 | 44,544 | 4,421 | 48,965 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.83% | 0.52% | 0.80% | 1.35% | 1.30% | 1.35% | 1.85% | 2.05% | 1.87% |
| 2020 | 0.96% | 0.68% | 0.93% | 1.36% | 1.30% | 1.36% | 1.75% | 1.88% | 1.76% |
| 2021 | 1.04% | 0.87% | 1.02% | 1.37% | 1.38% | 1.38% | 1.69% | 1.85% | 1.70% |
| 2022 | 1.10% | 0.98% | 1.09% | 1.38% | 1.41% | 1.39% | 1.65% | 1.82% | 1.67% |
| 2023 | 1.14% | 1.07% | 1.14% | 1.39% | 1.45% | 1.40% | 1.63% | 1.79% | 1.64% |
| 2024 | 1.18% | 1.13% | 1.18% | 1.40% | 1.47% | 1.41% | 1.61% | 1.79% | 1.62% |
| 2025 | 1.22% | 1.21% | 1.22% | 1.41% | 1.51% | 1.42% | 1.59% | 1.77% | 1.61% |
| 2026 | 1.25% | 1.27% | 1.25% | 1.42% | 1.54% | 1.43% | 1.58% | 1.78% | 1.60% |
| 2027 | 1.27% | 1.34% | 1.28% | 1.43% | 1.57% | 1.44% | 1.57% | 1.77% | 1.59% |
| 2028 | 1.29% | 1.38% | 1.30% | 1.44% | 1.59% | 1.45% | 1.57% | 1.77% | 1.59% |
| 2029 | 1.31% | 1.43% | 1.32% | 1.44% | 1.62% | 1.46% | 1.56% | 1.78% | 1.58% |
| 2030 | 1.33% | 1.50% | 1.35% | 1.45% | 1.66% | 1.47% | 1.56% | 1.80% | 1.58% |
| 2031 | 1.35% | 1.51% | 1.36% | 1.46% | 1.66% | 1.47% | 1.55% | 1.79% | 1.57% |
| 2032 | 1.37% | 1.55% | 1.38% | 1.46% | 1.68% | 1.48% | 1.55% | 1.80% | 1.57% |
| 2033 | 1.38% | 1.58% | 1.40% | 1.47% | 1.70% | 1.49% | 1.54% | 1.79% | 1.57% |
| 2034 | 1.39% | 1.60% | 1.41% | 1.47% | 1.71% | 1.49% | 1.54% | 1.79% | 1.56% |
| 2035 | 1.40% | 1.64% | 1.42% | 1.47% | 1.72% | 1.49% | 1.54% | 1.80% | 1.56% |
| 2036 | 1.41% | 1.66% | 1.43% | 1.48% | 1.74% | 1.50% | 1.53% | 1.80% | 1.56% |
| 2037 | 1.42% | 1.69% | 1.44% | 1.48% | 1.75% | 1.50% | 1.53% | 1.81% | 1.55% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 35.69% |
| Medium: | 31.22% |
| Low: | 26.59% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Central Oregon (Bend) District

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 35,881,504 | 16,476,013 | 52,357,517 | 37,954,991 | 17,528,065 | 55,483,056 | 40,030,698 | 18,629,397 | 58,660,095 |
| 2019 | 36,545,856 | 16,718,771 | 53,264,628 | 38,806,027 | 17,941,477 | 56,747,504 | 41,060,481 | 19,170,972 | 60,231,453 |
| 2020 | 37,479,979 | 16,995,874 | 54,475,854 | 39,897,740 | 18,357,365 | 58,255,105 | 42,321,425 | 19,665,347 | 61,986,772 |
| 2021 | 37,963,189 | 17,307,348 | 55,270,537 | 40,542,399 | 18,740,899 | 59,283,298 | 43,064,416 | 20,148,743 | 63,213,159 |
| 2022 | 38,695,539 | 17,629,771 | 56,325,310 | 41,378,083 | 19,154,555 | 60,532,638 | 44,031,094 | 20,657,565 | 64,688,660 |
| 2023 | 39,467,142 | 17,950,448 | 57,417,590 | 42,285,836 | 19,539,871 | 61,825,707 | 45,032,533 | 21,136,392 | 66,168,926 |
| 2024 | 40,537,330 | 18,287,541 | 58,824,871 | 43,447,681 | 19,950,212 | 63,397,893 | 46,385,222 | 21,609,320 | 67,994,542 |
| 2025 | 41,117,742 | 18,648,053 | 59,765,796 | 44,096,722 | 20,343,137 | 64,439,859 | 47,098,054 | 22,083,905 | 69,181,959 |
| 2026 | 41,938,105 | 18,995,918 | 60,934,023 | 45,014,947 | 20,759,934 | 65,774,881 | 48,100,564 | 22,563,306 | 70,663,869 |
| 2027 | 42,778,389 | 19,345,398 | 62,123,787 | 45,915,610 | 21,190,616 | 67,106,227 | 49,095,176 | 23,057,902 | 72,153,078 |
| 2028 | 43,886,904 | 19,708,399 | 63,595,303 | 47,149,228 | 21,590,650 | 68,739,879 | 50,403,864 | 23,529,833 | 73,933,697 |
| 2029 | 44,476,038 | 20,070,835 | 64,546,873 | 47,781,544 | 22,043,034 | 69,824,578 | 51,135,491 | 23,994,459 | 75,129,950 |
| 2030 | 45,345,547 | 20,429,713 | 65,775,260 | 48,749,931 | 22,470,430 | 71,220,361 | 52,134,427 | 24,472,057 | 76,606,483 |
| 2031 | 46,195,545 | 20,823,876 | 67,019,421 | 49,720,375 | 22,877,849 | 72,598,224 | 53,178,293 | 24,931,807 | 78,110,100 |
| 2032 | 47,380,969 | 21,183,302 | 68,564,271 | 50,967,955 | 23,303,865 | 74,271,820 | 54,540,748 | 25,414,669 | 79,955,417 |
| 2033 | 47,949,638 | 21,562,094 | 69,511,732 | 51,611,951 | 23,708,204 | 75,320,154 | 55,238,594 | 25,872,916 | 81,111,510 |
| 2034 | 48,841,544 | 21,922,209 | 70,763,754 | 52,556,162 | 24,142,964 | 76,699,126 | 56,284,523 | 26,353,596 | 82,638,119 |
| 2035 | 49,765,437 | 22,336,641 | 72,102,077 | 53,507,476 | 24,570,124 | 78,077,600 | 57,310,856 | 26,832,312 | 84,143,168 |
| 2036 | 50,993,848 | 22,697,046 | 73,690,894 | 54,848,550 | 24,972,645 | 79,821,195 | 58,710,771 | 27,297,549 | 86,008,320 |
| 2037 | 51,564,695 | 23,097,621 | 74,662,316 | 55,450,434 | 25,411,917 | 80,862,350 | 59,395,482 | 27,730,289 | 87,125,772 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.85% | 1.47% | 1.73% | 2.24% | 2.36% | 2.28% | 2.57% | 2.91% | 2.68% |
| 2020 | 2.56% | 1.66% | 2.27% | 2.81% | 2.32% | 2.66% | 3.07% | 2.58% | 2.91% |
| 2021 | 1.29% | 1.83% | 1.46% | 1.62% | 2.09% | 1.76% | 1.76% | 2.46% | 1.98% |
| 2022 | 1.93% | 1.86% | 1.91% | 2.06% | 2.21% | 2.11% | 2.24% | 2.53% | 2.33% |
| 2023 | 1.99% | 1.82% | 1.94% | 2.19% | 2.01% | 2.14% | 2.27% | 2.32% | 2.29% |
| 2024 | 2.71% | 1.88% | 2.45% | 2.75% | 2.10% | 2.54% | 3.00% | 2.24% | 2.76% |
| 2025 | 1.43% | 1.97% | 1.60% | 1.49% | 1.97% | 1.64% | 1.54% | 2.20% | 1.75% |
| 2026 | 2.00% | 1.87% | 1.95% | 2.08% | 2.05% | 2.07% | 2.13% | 2.17% | 2.14% |
| 2027 | 2.00% | 1.84% | 1.95% | 2.00% | 2.07% | 2.02% | 2.07% | 2.19% | 2.11% |
| 2028 | 2.59% | 1.88% | 2.37% | 2.69% | 1.89% | 2.43% | 2.67% | 2.05% | 2.47% |
| 2029 | 1.34% | 1.84% | 1.50% | 1.34% | 2.10% | 1.58% | 1.45% | 1.97% | 1.62% |
| 2030 | 1.96% | 1.79% | 1.90% | 2.03% | 1.94% | 2.00% | 1.95% | 1.99% | 1.97% |
| 2031 | 1.87% | 1.93% | 1.89% | 1.99% | 1.81% | 1.93% | 2.00% | 1.88% | 1.96% |
| 2032 | 2.57% | 1.73% | 2.31% | 2.51% | 1.86% | 2.31% | 2.56% | 1.94% | 2.36% |
| 2033 | 1.20% | 1.79% | 1.38% | 1.26% | 1.74% | 1.41% | 1.28% | 1.80% | 1.45% |
| 2034 | 1.86% | 1.67% | 1.80% | 1.83% | 1.83% | 1.83% | 1.89% | 1.86% | 1.88% |
| 2035 | 1.89% | 1.89% | 1.89% | 1.81% | 1.77% | 1.80% | 1.82% | 1.82% | 1.82% |
| 2036 | 2.47% | 1.61% | 2.20% | 2.51% | 1.64% | 2.23% | 2.44% | 1.73% | 2.22% |
| 2037 | 1.12% | 1.76% | 1.32% | 1.10% | 1.76% | 1.30% | 1.17% | 1.59% | 1.30% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 45,140 | 553,892 | 599,032 | 48,022 | 560,191 | 608,213 | 51,039 | 566,435 | 617,474 |
| 2019 | 45,805 | 566,981 | 612,786 | 49,155 | 573,023 | 622,178 | 52,523 | 579,128 | 631,651 |
| 2020 | 46,564 | 579,026 | 625,590 | 50,294 | 584,884 | 635,178 | 53,878 | 590,973 | 644,850 |
| 2021 | 47,417 | 591,977 | 639,394 | 51,345 | 597,849 | 649,194 | 55,202 | 603,877 | 659,079 |
| 2022 | 48,301 | 604,444 | 652,744 | 52,478 | 610,270 | 662,748 | 56,596 | 616,244 | 672,840 |
| 2023 | 49,179 | 617,450 | 666,629 | 53,534 | 623,312 | 676,846 | 57,908 | 629,244 | 687,152 |
| 2024 | 50,103 | 630,150 | 680,253 | 54,658 | 636,020 | 690,678 | 59,204 | 641,992 | 701,195 |
| 2025 | 51,091 | 643,293 | 694,383 | 55,735 | 649,291 | 705,025 | 60,504 | 655,257 | 715,761 |
| 2026 | 52,044 | 656,691 | 708,734 | 56,877 | 662,720 | 719,596 | 61,817 | 668,736 | 730,554 |
| 2027 | 53,001 | 669,657 | 722,658 | 58,056 | 675,677 | 733,734 | 63,172 | 681,734 | 744,906 |
| 2028 | 53,996 | 683,182 | 737,178 | 59,152 | 689,324 | 748,476 | 64,465 | 695,408 | 759,873 |
| 2029 | 54,989 | 697,047 | 752,035 | 60,392 | 703,169 | 763,561 | 65,738 | 709,450 | 775,188 |
| 2030 | 55,972 | 710,724 | 766,696 | 61,563 | 716,884 | 778,447 | 67,047 | 723,253 | 790,300 |
| 2031 | 57,052 | 724,440 | 781,491 | 62,679 | 730,790 | 793,469 | 68,306 | 737,244 | 805,551 |
| 2032 | 58,036 | 737,759 | 795,796 | 63,846 | 744,146 | 807,992 | 69,629 | 750,666 | 820,296 |
| 2033 | 59,074 | 751,518 | 810,592 | 64,954 | 758,062 | 823,016 | 70,885 | 764,663 | 835,548 |
| 2034 | 60,061 | 765,013 | 825,074 | 66,145 | 771,574 | 837,719 | 72,202 | 778,274 | 850,475 |
| 2035 | 61,196 | 778,651 | 839,848 | 67,315 | 785,404 | 852,719 | 73,513 | 792,190 | 865,704 |
| 2036 | 62,184 | 792,593 | 854,777 | 68,418 | 799,459 | 867,877 | 74,788 | 806,305 | 881,093 |
| 2037 | 63,281 | 806,059 | 869,340 | 69,622 | 813,042 | 882,664 | 75,973 | 820,131 | 896,104 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.47% | 2.36% | 2.30% | 2.36% | 2.29% | 2.30% | 2.91% | 2.24% | 2.30% |
| 2020 | 1.66% | 2.12% | 2.09% | 2.32% | 2.07% | 2.09% | 2.58% | 2.05% | 2.09% |
| 2021 | 1.83% | 2.24% | 2.21% | 2.09% | 2.22% | 2.21% | 2.46% | 2.18% | 2.21% |
| 2022 | 1.86% | 2.11% | 2.09% | 2.21% | 2.08% | 2.09% | 2.53% | 2.05% | 2.09% |
| 2023 | 1.82% | 2.15% | 2.13% | 2.01% | 2.14% | 2.13% | 2.32% | 2.11% | 2.13% |
| 2024 | 1.88% | 2.06% | 2.04% | 2.10% | 2.04% | 2.04% | 2.24% | 2.03% | 2.04% |
| 2025 | 1.97% | 2.09% | 2.08% | 1.97% | 2.09% | 2.08% | 2.20% | 2.07% | 2.08% |
| 2026 | 1.87% | 2.08% | 2.07% | 2.05% | 2.07% | 2.07% | 2.17% | 2.06% | 2.07% |
| 2027 | 1.84% | 1.97% | 1.96% | 2.07% | 1.96% | 1.96% | 2.19% | 1.94% | 1.96% |
| 2028 | 1.88% | 2.02% | 2.01% | 1.89% | 2.02% | 2.01% | 2.05% | 2.01% | 2.01% |
| 2029 | 1.84% | 2.03% | 2.02% | 2.10% | 2.01% | 2.02% | 1.97% | 2.02% | 2.02% |
| 2030 | 1.79% | 1.96% | 1.95% | 1.94% | 1.95% | 1.95% | 1.99% | 1.95% | 1.95% |
| 2031 | 1.93% | 1.93% | 1.93% | 1.81% | 1.94% | 1.93% | 1.88% | 1.93% | 1.93% |
| 2032 | 1.73% | 1.84% | 1.83% | 1.86% | 1.83% | 1.83% | 1.94% | 1.82% | 1.83% |
| 2033 | 1.79% | 1.86% | 1.86% | 1.74% | 1.87% | 1.86% | 1.80% | 1.86% | 1.86% |
| 2034 | 1.67% | 1.80% | 1.79% | 1.83% | 1.78% | 1.79% | 1.86% | 1.78% | 1.79% |
| 2035 | 1.89% | 1.78% | 1.79% | 1.77% | 1.79% | 1.79% | 1.82% | 1.79% | 1.79% |
| 2036 | 1.61% | 1.79% | 1.78% | 1.64% | 1.79% | 1.78% | 1.73% | 1.78% | 1.78% |
| 2037 | 1.76% | 1.70% | 1.70% | 1.76% | 1.70% | 1.70% | 1.59% | 1.71% | 1.70% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 30,791,318 | 21,566,199 | 52,357,517 | 32,921,649 | 22,561,407 | 55,483,056 | 35,051,366 | 23,608,730 | 58,660,095 |
| 2019 | 31,561,051 | 21,703,576 | 53,264,628 | 33,740,586 | 23,006,918 | 56,747,504 | 35,919,694 | 24,311,759 | 60,231,453 |
| 2020 | 32,496,223 | 21,979,630 | 54,475,854 | 34,728,762 | 23,526,343 | 58,255,105 | 36,960,762 | 25,026,010 | 61,986,772 |
| 2021 | 33,163,427 | 22,107,110 | 55,270,537 | 35,426,536 | 23,856,762 | 59,283,298 | 37,689,236 | 25,523,923 | 63,213,159 |
| 2022 | 33,989,591 | 22,335,719 | 56,325,310 | 36,290,609 | 24,242,029 | 60,532,638 | 38,591,989 | 26,096,670 | 64,688,660 |
| 2023 | 34,835,046 | 22,582,545 | 57,417,590 | 37,174,098 | 24,651,609 | 61,825,707 | 39,512,581 | 26,656,345 | 66,168,926 |
| 2024 | 35,860,238 | 22,964,633 | 58,824,871 | 38,246,959 | 25,150,933 | 63,397,893 | 40,632,476 | 27,362,066 | 67,994,542 |
| 2025 | 36,581,689 | 23,184,107 | 59,765,796 | 38,993,593 | 25,446,267 | 64,439,859 | 41,405,589 | 27,776,370 | 69,181,959 |
| 2026 | 37,477,500 | 23,456,523 | 60,934,023 | 39,925,497 | 25,849,384 | 65,774,881 | 42,373,267 | 28,290,603 | 70,663,869 |
| 2027 | 38,388,384 | 23,735,403 | 62,123,787 | 40,871,980 | 26,234,246 | 67,106,227 | 43,355,561 | 28,797,518 | 72,153,078 |
| 2028 | 39,482,385 | 24,112,918 | 63,595,303 | 42,011,180 | 26,728,699 | 68,739,879 | 44,541,487 | 29,392,211 | 73,933,697 |
| 2029 | 40,253,864 | 24,293,009 | 64,546,873 | 42,808,899 | 27,015,678 | 69,824,578 | 45,363,097 | 29,766,853 | 75,129,950 |
| 2030 | 41,210,245 | 24,565,015 | 65,775,260 | 43,799,845 | 27,420,516 | 71,220,361 | 46,389,423 | 30,217,060 | 76,606,483 |
| 2031 | 42,175,306 | 24,844,115 | 67,019,421 | 44,799,611 | 27,798,612 | 72,598,224 | 47,424,832 | 30,685,268 | 78,110,100 |
| 2032 | 43,341,044 | 25,223,228 | 68,564,271 | 46,012,840 | 28,258,980 | 74,271,820 | 48,684,604 | 31,270,813 | 79,955,417 |
| 2033 | 44,129,624 | 25,382,108 | 69,511,732 | 46,824,409 | 28,495,746 | 75,320,154 | 49,518,407 | 31,593,103 | 81,111,510 |
| 2034 | 45,122,605 | 25,641,149 | 70,763,754 | 47,851,612 | 28,847,514 | 76,699,126 | 50,581,476 | 32,056,642 | 82,638,119 |
| 2035 | 46,128,425 | 25,973,652 | 72,102,077 | 48,892,565 | 29,185,034 | 78,077,600 | 51,657,197 | 32,485,971 | 84,143,168 |
| 2036 | 47,349,338 | 26,341,556 | 73,690,894 | 50,161,410 | 29,659,785 | 79,821,195 | 52,973,095 | 33,035,225 | 86,008,320 |
| 2037 | 48,161,938 | 26,500,378 | 74,662,316 | 50,995,942 | 29,866,409 | 80,862,350 | 53,829,739 | 33,296,033 | 87,125,772 |

Annual Change

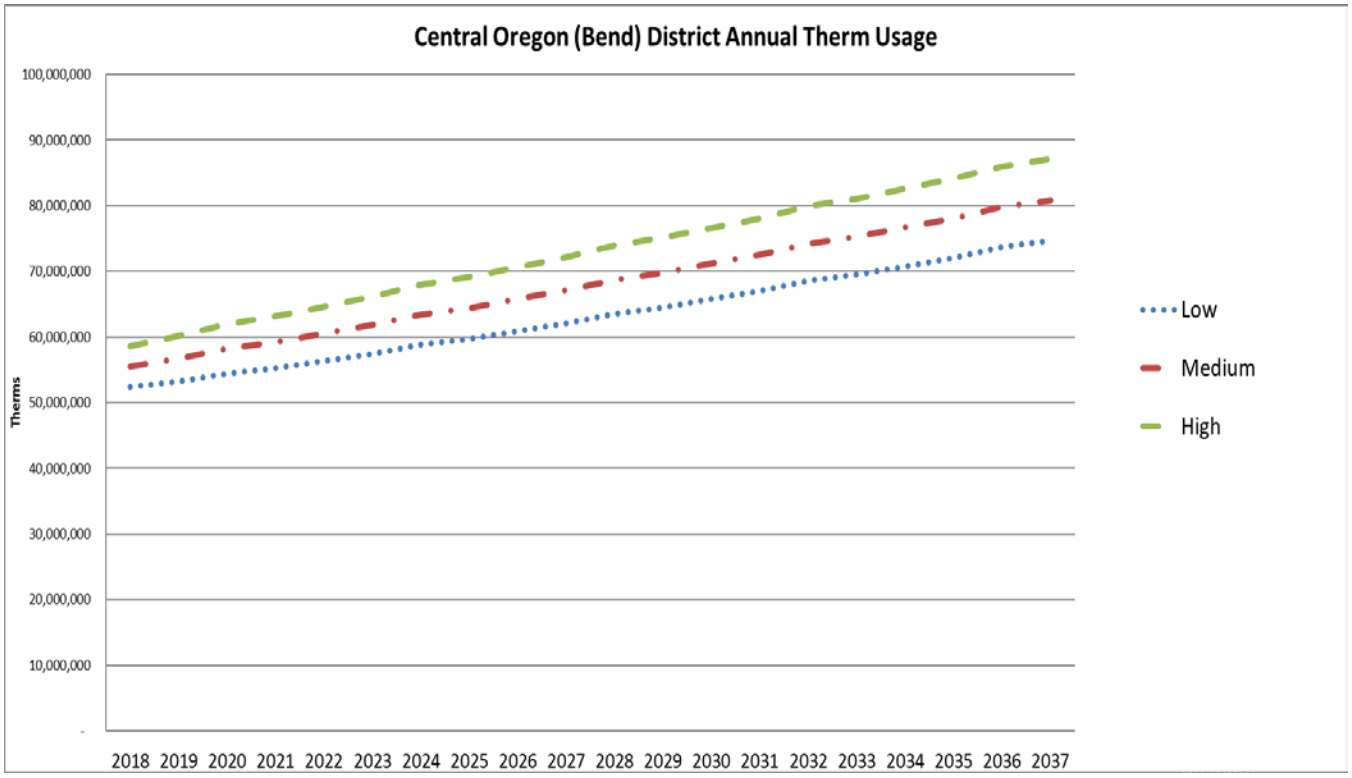
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.50% | 0.64% | 1.73% | 2.49% | 1.97% | 2.28% | 2.48% | 2.98% | 2.68% |
| 2020 | 2.96% | 1.27% | 2.27% | 2.93% | 2.26% | 2.66% | 2.90% | 2.94% | 2.91% |
| 2021 | 2.05% | 0.58% | 1.46% | 2.01% | 1.40% | 1.76% | 1.97% | 1.99% | 1.98% |
| 2022 | 2.49% | 1.03% | 1.91% | 2.44% | 1.61% | 2.11% | 2.40% | 2.24% | 2.33% |
| 2023 | 2.49% | 1.11% | 1.94% | 2.43% | 1.69% | 2.14% | 2.39% | 2.14% | 2.29% |
| 2024 | 2.94% | 1.69% | 2.45% | 2.89% | 2.03% | 2.54% | 2.83% | 2.65% | 2.76% |
| 2025 | 2.01% | 0.96% | 1.60% | 1.95% | 1.17% | 1.64% | 1.90% | 1.51% | 1.75% |
| 2026 | 2.45% | 1.18% | 1.95% | 2.39% | 1.58% | 2.07% | 2.34% | 1.85% | 2.14% |
| 2027 | 2.43% | 1.19% | 1.95% | 2.37% | 1.49% | 2.02% | 2.32% | 1.79% | 2.11% |
| 2028 | 2.85% | 1.59% | 2.37% | 2.79% | 1.88% | 2.43% | 2.74% | 2.07% | 2.47% |
| 2029 | 1.95% | 0.75% | 1.50% | 1.90% | 1.07% | 1.58% | 1.84% | 1.27% | 1.62% |
| 2030 | 2.38% | 1.12% | 1.90% | 2.31% | 1.50% | 2.00% | 2.26% | 1.51% | 1.97% |
| 2031 | 2.34% | 1.14% | 1.89% | 2.28% | 1.38% | 1.93% | 2.23% | 1.55% | 1.96% |
| 2032 | 2.76% | 1.53% | 2.31% | 2.71% | 1.66% | 2.31% | 2.66% | 1.91% | 2.36% |
| 2033 | 1.82% | 0.63% | 1.38% | 1.76% | 0.84% | 1.41% | 1.71% | 1.03% | 1.45% |
| 2034 | 2.25% | 1.02% | 1.80% | 2.19% | 1.23% | 1.83% | 2.15% | 1.47% | 1.88% |
| 2035 | 2.23% | 1.30% | 1.89% | 2.18% | 1.17% | 1.80% | 2.13% | 1.34% | 1.82% |
| 2036 | 2.65% | 1.42% | 2.20% | 2.60% | 1.63% | 2.23% | 2.55% | 1.69% | 2.22% |
| 2037 | 1.72% | 0.60% | 1.32% | 1.66% | 0.70% | 1.30% | 1.62% | 0.79% | 1.30% |

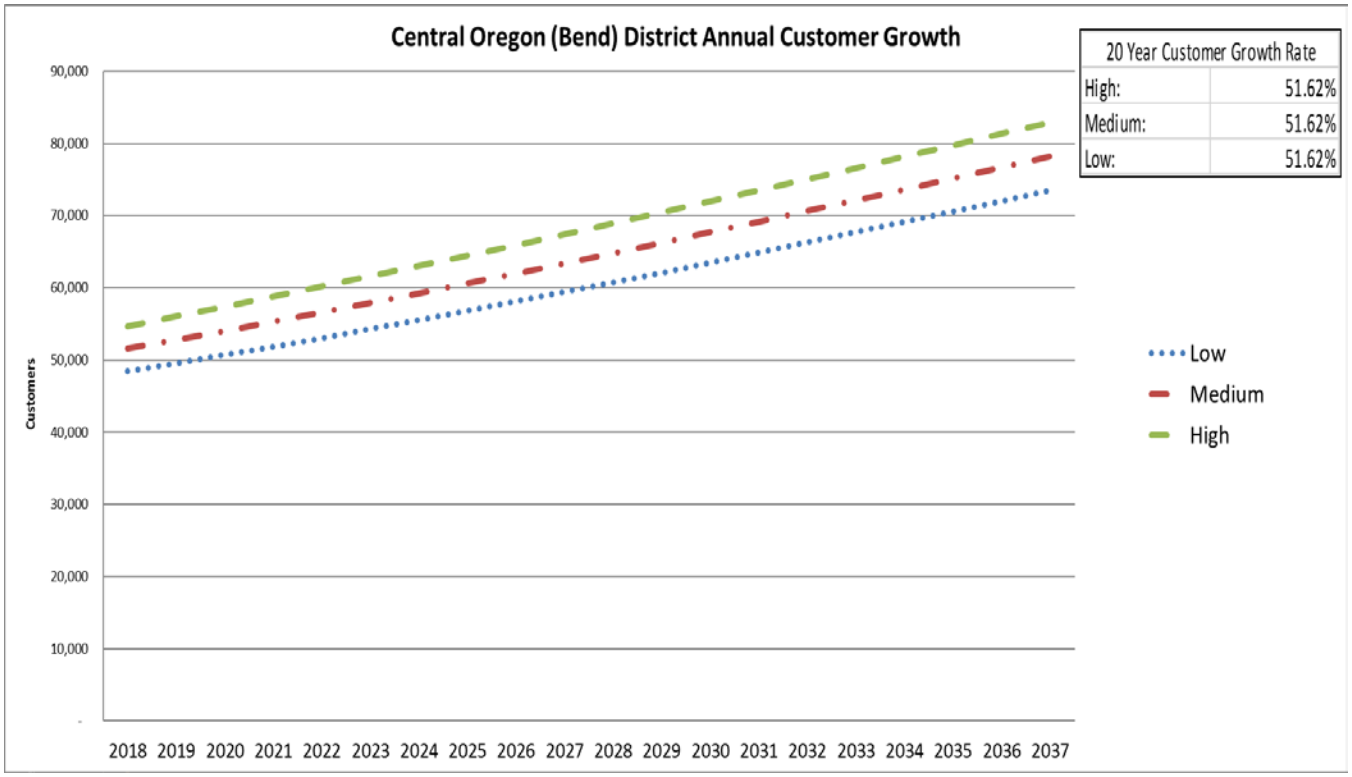
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 41,806 | 6,661 | 48,467 | 44,699 | 6,880 | 51,579 | 47,591 | 7,101 | 54,691 |
| 2019 | 42,834 | 6,722 | 49,556 | 45,805 | 7,004 | 52,809 | 48,775 | 7,285 | 56,061 |
| 2020 | 43,895 | 6,796 | 50,690 | 46,933 | 7,125 | 54,058 | 49,971 | 7,455 | 57,426 |
| 2021 | 44,983 | 6,875 | 51,857 | 48,083 | 7,249 | 55,332 | 51,184 | 7,620 | 58,804 |
| 2022 | 46,097 | 6,957 | 53,054 | 49,256 | 7,368 | 56,625 | 52,416 | 7,779 | 60,195 |
| 2023 | 47,235 | 7,042 | 54,277 | 50,452 | 7,489 | 57,941 | 53,669 | 7,933 | 61,601 |
| 2024 | 48,399 | 7,130 | 55,530 | 51,672 | 7,608 | 59,280 | 54,943 | 8,085 | 63,028 |
| 2025 | 49,585 | 7,220 | 56,805 | 52,912 | 7,725 | 60,637 | 56,239 | 8,233 | 64,472 |
| 2026 | 50,794 | 7,309 | 58,103 | 54,175 | 7,842 | 62,017 | 57,555 | 8,377 | 65,932 |
| 2027 | 52,025 | 7,397 | 59,422 | 55,458 | 7,958 | 63,416 | 58,891 | 8,520 | 67,410 |
| 2028 | 53,276 | 7,485 | 60,760 | 56,760 | 8,071 | 64,832 | 60,246 | 8,656 | 68,902 |
| 2029 | 54,547 | 7,572 | 62,119 | 58,085 | 8,182 | 66,267 | 61,622 | 8,793 | 70,415 |
| 2030 | 55,840 | 7,659 | 63,499 | 59,429 | 8,292 | 67,721 | 63,019 | 8,924 | 71,943 |
| 2031 | 57,147 | 7,743 | 64,889 | 60,788 | 8,400 | 69,187 | 64,428 | 9,054 | 73,482 |
| 2032 | 58,467 | 7,826 | 66,292 | 62,158 | 8,503 | 70,662 | 65,850 | 9,181 | 75,031 |
| 2033 | 59,800 | 7,906 | 67,707 | 63,543 | 8,605 | 72,148 | 67,285 | 9,303 | 76,588 |
| 2034 | 61,147 | 7,987 | 69,134 | 64,940 | 8,706 | 73,645 | 68,734 | 9,424 | 78,158 |
| 2035 | 62,507 | 8,066 | 70,573 | 66,350 | 8,803 | 75,153 | 70,194 | 9,542 | 79,736 |
| 2036 | 63,882 | 8,142 | 72,023 | 67,775 | 8,898 | 76,673 | 71,669 | 9,656 | 81,325 |
| 2037 | 65,270 | 8,217 | 73,487 | 69,213 | 8,992 | 78,205 | 73,157 | 9,768 | 82,925 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2.46% | 0.92% | 2.25% | 2.47% | 1.79% | 2.38% | 2.49% | 2.60% | 2.50% |
| 2020 | 2.48% | 1.09% | 2.29% | 2.46% | 1.73% | 2.36% | 2.45% | 2.33% | 2.44% |
| 2021 | 2.48% | 1.16% | 2.30% | 2.45% | 1.74% | 2.36% | 2.43% | 2.21% | 2.40% |
| 2022 | 2.48% | 1.20% | 2.31% | 2.44% | 1.65% | 2.34% | 2.41% | 2.09% | 2.37% |
| 2023 | 2.47% | 1.22% | 2.31% | 2.43% | 1.64% | 2.33% | 2.39% | 1.98% | 2.34% |
| 2024 | 2.46% | 1.25% | 2.31% | 2.42% | 1.59% | 2.31% | 2.38% | 1.92% | 2.32% |
| 2025 | 2.45% | 1.26% | 2.30% | 2.40% | 1.54% | 2.29% | 2.36% | 1.83% | 2.29% |
| 2026 | 2.44% | 1.24% | 2.29% | 2.39% | 1.51% | 2.27% | 2.34% | 1.75% | 2.27% |
| 2027 | 2.42% | 1.21% | 2.27% | 2.37% | 1.48% | 2.26% | 2.32% | 1.70% | 2.24% |
| 2028 | 2.40% | 1.19% | 2.25% | 2.35% | 1.42% | 2.23% | 2.30% | 1.61% | 2.21% |
| 2029 | 2.39% | 1.17% | 2.24% | 2.33% | 1.37% | 2.21% | 2.29% | 1.58% | 2.20% |
| 2030 | 2.37% | 1.14% | 2.22% | 2.31% | 1.34% | 2.19% | 2.27% | 1.49% | 2.17% |
| 2031 | 2.34% | 1.09% | 2.19% | 2.29% | 1.30% | 2.16% | 2.24% | 1.45% | 2.14% |
| 2032 | 2.31% | 1.07% | 2.16% | 2.25% | 1.23% | 2.13% | 2.21% | 1.40% | 2.11% |
| 2033 | 2.28% | 1.03% | 2.13% | 2.23% | 1.19% | 2.10% | 2.18% | 1.34% | 2.08% |
| 2034 | 2.25% | 1.01% | 2.11% | 2.20% | 1.17% | 2.08% | 2.15% | 1.30% | 2.05% |
| 2035 | 2.22% | 0.99% | 2.08% | 2.17% | 1.12% | 2.05% | 2.13% | 1.25% | 2.02% |
| 2036 | 2.20% | 0.94% | 2.05% | 2.15% | 1.09% | 2.02% | 2.10% | 1.20% | 1.99% |
| 2037 | 2.17% | 0.93% | 2.03% | 2.12% | 1.05% | 2.00% | 2.08% | 1.16% | 1.97% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 51.62% |
| Medium: | 51.62% |
| Low: | 51.62% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

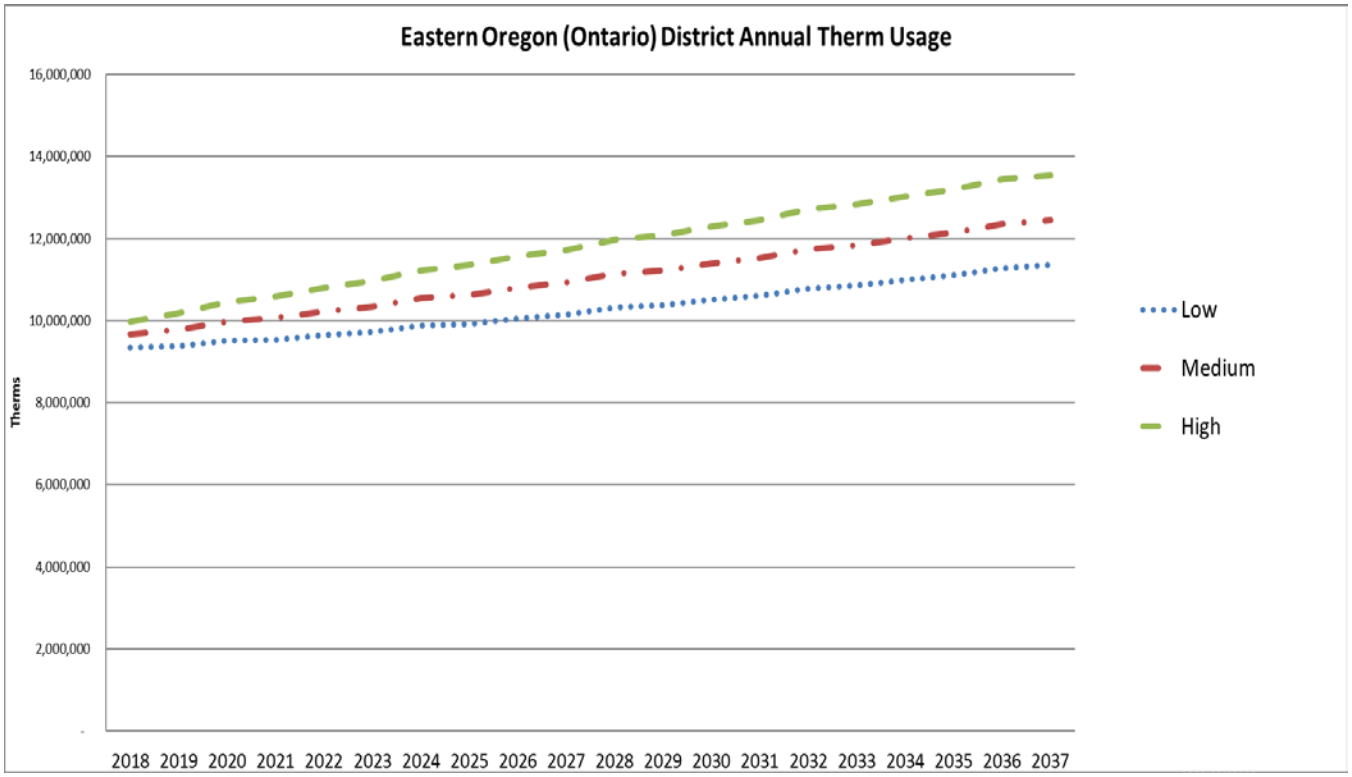
## Eastern Oregon (Ontario) District

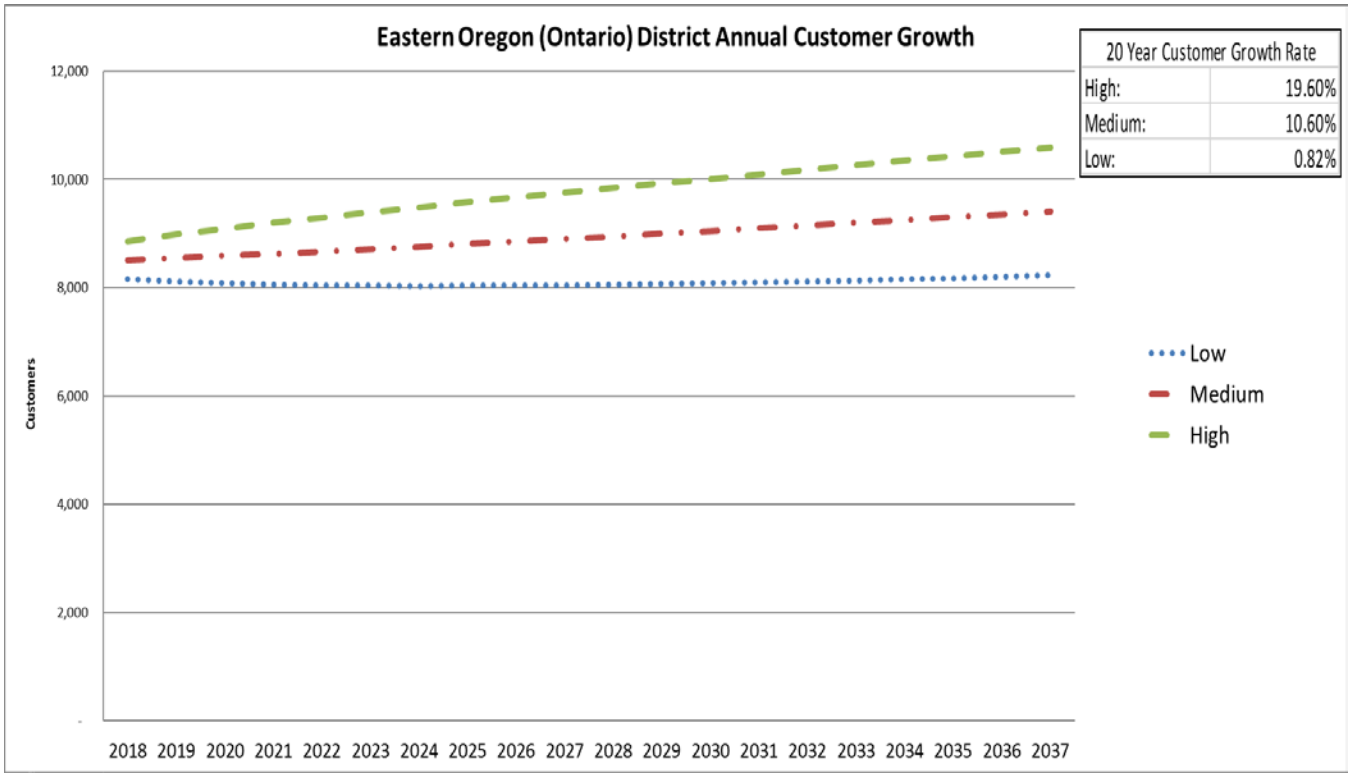
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 6,399,946 | 2,952,560 | 9,352,507 | 6,636,588 | 3,025,344 | 9,661,932 | 6,874,761 | 3,099,079 | 9,973,840 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,346,008 | 3,041,553 | 9,387,560 | 6,649,123 | 3,134,068 | 9,783,191 | 6,950,724 | 3,227,373 | 10,178,098 | -0.84% | 3.01% | 0.37% | 0.19% | 3.59% | 1.26% | 1.10% | 4.14% | 2.05% |
| 2020 | 6,433,211 | 3,084,919 | 9,518,130 | 6,792,890 | 3,192,513 | 9,985,403 | 7,149,770 | 3,300,188 | 10,449,958 | 1.37% | 1.43% | 1.39% | 2.16% | 1.86% | 2.07% | 2.86% | 2.26% | 2.67% |
| 2021 | 6,362,304 | 3,179,900 | 9,542,204 | 6,763,632 | 3,301,394 | 10,065,026 | 7,164,978 | 3,422,883 | 10,587,860 | -1.10% | 3.08% | 0.25% | -0.43% | 3.41% | 0.80% | 0.21% | 3.72% | 1.32% |
| 2022 | 6,417,739 | 3,226,004 | 9,643,744 | 6,859,477 | 3,359,990 | 10,219,467 | 7,302,631 | 3,493,116 | 10,795,747 | 0.87% | 1.45% | 1.06% | 1.42% | 1.77% | 1.53% | 1.92% | 2.05% | 1.96% |
| 2023 | 6,395,732 | 3,324,550 | 9,720,282 | 6,875,257 | 3,469,860 | 10,345,117 | 7,356,468 | 3,613,321 | 10,969,789 | -0.34% | 3.05% | 0.79% | 0.23% | 3.27% | 1.23% | 0.74% | 3.44% | 1.61% |
| 2024 | 6,498,561 | 3,373,970 | 9,872,531 | 7,017,315 | 3,528,612 | 10,545,927 | 7,537,558 | 3,683,156 | 11,220,714 | 1.61% | 1.49% | 1.57% | 2.07% | 1.69% | 1.94% | 2.46% | 1.93% | 2.29% |
| 2025 | 6,450,259 | 3,473,923 | 9,924,182 | 6,997,293 | 3,638,573 | 10,635,867 | 7,548,272 | 3,802,355 | 11,350,627 | -0.74% | 2.96% | 0.52% | -0.29% | 3.12% | 0.85% | 0.14% | 3.24% | 1.16% |
| 2026 | 6,529,891 | 3,524,688 | 10,054,579 | 7,107,840 | 3,698,243 | 10,806,083 | 7,688,370 | 3,871,962 | 11,560,332 | 1.23% | 1.46% | 1.31% | 1.58% | 1.64% | 1.60% | 1.86% | 1.83% | 1.85% |
| 2027 | 6,518,753 | 3,625,943 | 10,144,696 | 7,126,240 | 3,808,355 | 10,934,595 | 7,736,390 | 3,990,922 | 11,727,312 | -0.17% | 2.87% | 0.90% | 0.26% | 2.98% | 1.19% | 0.62% | 3.07% | 1.44% |
| 2028 | 6,636,228 | 3,678,010 | 10,314,237 | 7,275,830 | 3,868,253 | 11,144,083 | 7,917,330 | 4,058,509 | 11,975,839 | 1.80% | 1.44% | 1.67% | 2.10% | 1.57% | 1.92% | 2.34% | 1.69% | 2.12% |
| 2029 | 6,589,375 | 3,780,367 | 10,369,742 | 7,252,322 | 3,978,371 | 11,230,692 | 7,916,412 | 4,177,312 | 12,093,723 | -0.71% | 2.78% | 0.54% | -0.32% | 2.85% | 0.78% | -0.01% | 2.93% | 0.98% |
| 2030 | 6,672,873 | 3,833,600 | 10,506,473 | 7,360,309 | 4,039,214 | 11,399,523 | 8,050,745 | 4,244,969 | 12,295,714 | 1.27% | 1.41% | 1.32% | 1.49% | 1.53% | 1.50% | 1.70% | 1.62% | 1.67% |
| 2031 | 6,668,330 | 3,936,187 | 10,604,517 | 7,380,995 | 4,150,400 | 11,531,395 | 8,094,376 | 4,363,616 | 12,457,992 | -0.07% | 2.68% | 0.93% | 0.28% | 2.75% | 1.16% | 0.54% | 2.79% | 1.32% |
| 2032 | 6,796,130 | 3,990,501 | 10,786,631 | 7,539,390 | 4,210,383 | 11,749,773 | 8,280,688 | 4,431,117 | 12,711,805 | 1.92% | 1.38% | 1.72% | 2.15% | 1.45% | 1.89% | 2.30% | 1.55% | 2.04% |
| 2033 | 6,760,691 | 4,094,331 | 10,855,022 | 7,521,917 | 4,321,588 | 11,843,506 | 8,283,748 | 4,548,840 | 12,832,588 | -0.52% | 2.60% | 0.63% | -0.23% | 2.64% | 0.80% | 0.04% | 2.66% | 0.95% |
| 2034 | 6,789,515 | 4,198,233 | 10,987,748 | 7,573,932 | 4,432,013 | 12,005,945 | 8,357,362 | 4,666,639 | 13,024,001 | 0.43% | 2.54% | 1.22% | 0.69% | 2.56% | 1.37% | 0.89% | 2.59% | 1.49% |
| 2035 | 6,848,526 | 4,252,795 | 11,101,321 | 7,654,490 | 4,493,858 | 12,148,348 | 8,460,475 | 4,734,011 | 13,194,487 | 0.87% | 1.30% | 1.03% | 1.06% | 1.40% | 1.19% | 1.23% | 1.44% | 1.31% |
| 2036 | 6,924,789 | 4,357,642 | 11,282,431 | 7,756,602 | 4,604,289 | 12,360,891 | 8,587,519 | 4,851,712 | 13,439,231 | 1.11% | 2.47% | 1.63% | 1.33% | 2.46% | 1.75% | 1.50% | 2.49% | 1.85% |
| 2037 | 6,939,109 | 4,411,495 | 11,350,604 | 7,785,240 | 4,665,289 | 12,450,529 | 8,633,994 | 4,918,068 | 13,552,062 | 0.21% | 1.24% | 0.60% | 0.37% | 1.32% | 0.73% | 0.54% | 1.37% | 0.84% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 8,089 | 102,026 | 110,115 | 8,289 | 103,514 | 111,803 | 8,491 | 105,015 | 113,505 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,333 | 102,861 | 111,194 | 8,586 | 104,312 | 112,899 | 8,842 | 105,776 | 114,618 | 3.01% | 0.82% | 0.98% | 3.59% | 0.77% | 0.98% | 4.14% | 0.72% | 0.98% |
| 2020 | 8,452 | 104,510 | 112,962 | 8,747 | 105,946 | 114,693 | 9,042 | 107,398 | 116,439 | 1.43% | 1.60% | 1.59% | 1.86% | 1.57% | 1.59% | 2.26% | 1.53% | 1.59% |
| 2021 | 8,712 | 105,349 | 114,061 | 9,045 | 106,764 | 115,809 | 9,378 | 108,195 | 117,572 | 3.08% | 0.80% | 0.97% | 3.41% | 0.77% | 0.97% | 3.72% | 0.74% | 0.97% |
| 2022 | 8,838 | 106,991 | 115,829 | 9,205 | 108,399 | 117,604 | 9,570 | 109,825 | 119,395 | 1.45% | 1.56% | 1.55% | 1.77% | 1.53% | 1.55% | 2.05% | 1.51% | 1.55% |
| 2023 | 9,108 | 107,857 | 116,966 | 9,506 | 109,252 | 118,758 | 9,900 | 110,667 | 120,567 | 3.05% | 0.81% | 0.98% | 3.27% | 0.79% | 0.98% | 3.44% | 0.77% | 0.98% |
| 2024 | 9,244 | 109,535 | 118,779 | 9,667 | 110,932 | 120,599 | 10,091 | 112,345 | 122,436 | 1.49% | 1.56% | 1.55% | 1.69% | 1.54% | 1.55% | 1.93% | 1.52% | 1.55% |
| 2025 | 9,518 | 110,373 | 119,891 | 9,969 | 111,760 | 121,729 | 10,417 | 113,165 | 123,582 | 2.96% | 0.77% | 0.94% | 3.12% | 0.75% | 0.94% | 3.24% | 0.73% | 0.94% |
| 2026 | 9,657 | 112,067 | 121,723 | 10,132 | 113,457 | 123,589 | 10,608 | 114,863 | 125,471 | 1.46% | 1.53% | 1.53% | 1.64% | 1.52% | 1.53% | 1.83% | 1.50% | 1.53% |
| 2027 | 9,934 | 112,939 | 122,873 | 10,434 | 114,323 | 124,756 | 10,934 | 115,722 | 126,656 | 2.87% | 0.78% | 0.94% | 2.98% | 0.76% | 0.94% | 3.07% | 0.75% | 0.94% |
| 2028 | 10,077 | 114,630 | 124,707 | 10,598 | 116,020 | 126,618 | 11,119 | 117,427 | 128,546 | 1.44% | 1.50% | 1.49% | 1.57% | 1.48% | 1.49% | 1.69% | 1.47% | 1.49% |
| 2029 | 10,357 | 115,545 | 125,903 | 10,900 | 116,933 | 127,832 | 11,445 | 118,334 | 129,779 | 2.78% | 0.80% | 0.96% | 2.85% | 0.79% | 0.96% | 2.93% | 0.77% | 0.96% |
| 2030 | 10,503 | 117,276 | 127,779 | 11,066 | 118,671 | 129,738 | 11,630 | 120,083 | 131,713 | 1.41% | 1.50% | 1.49% | 1.53% | 1.49% | 1.49% | 1.62% | 1.48% | 1.49% |
| 2031 | 10,784 | 118,166 | 128,950 | 11,371 | 119,555 | 130,926 | 11,955 | 120,964 | 132,920 | 2.68% | 0.76% | 0.92% | 2.75% | 0.74% | 0.92% | 2.79% | 0.73% | 0.92% |
| 2032 | 10,933 | 119,917 | 130,850 | 11,535 | 121,320 | 132,855 | 12,140 | 122,738 | 134,878 | 1.38% | 1.48% | 1.47% | 1.45% | 1.48% | 1.47% | 1.55% | 1.47% | 1.47% |
| 2033 | 11,217 | 121,484 | 132,701 | 11,840 | 122,895 | 134,735 | 12,463 | 124,324 | 136,787 | 2.60% | 1.31% | 1.42% | 2.64% | 1.30% | 1.42% | 2.66% | 1.29% | 1.42% |
| 2034 | 11,502 | 122,408 | 133,910 | 12,143 | 123,820 | 135,962 | 12,785 | 125,247 | 138,033 | 2.54% | 0.76% | 0.91% | 2.56% | 0.75% | 0.91% | 2.59% | 0.74% | 0.91% |
| 2035 | 11,651 | 124,144 | 135,796 | 12,312 | 125,565 | 137,877 | 12,970 | 127,006 | 139,976 | 1.30% | 1.42% | 1.41% | 1.40% | 1.41% | 1.41% | 1.44% | 1.40% | 1.41% |
| 2036 | 11,939 | 125,046 | 136,985 | 12,614 | 126,470 | 139,085 | 13,292 | 127,910 | 141,202 | 2.47% | 0.73% | 0.88% | 2.46% | 0.72% | 0.88% | 2.49% | 0.71% | 0.88% |
| 2037 | 12,086 | 126,784 | 138,871 | 12,782 | 128,218 | 140,999 | 13,474 | 129,672 | 143,146 | 1.24% | 1.39% | 1.38% | 1.32% | 1.38% | 1.38% | 1.37% | 1.38% | 1.38% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 3,838,031 | 5,514,475 | 9,352,507 | 4,000,833 | 5,661,099 | 9,661,932 | 4,163,562 | 5,810,278 | 9,973,840 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,816,502 | 5,571,058 | 9,387,560 | 4,021,232 | 5,761,959 | 9,783,191 | 4,225,841 | 5,952,256 | 10,178,098 | -0.56% | 1.03% | 0.37% | 0.51% | 1.78% | 1.26% | 1.50% | 2.44% | 2.05% |
| 2020 | 3,821,251 | 5,696,879 | 9,518,130 | 4,060,627 | 5,924,776 | 9,985,403 | 4,300,179 | 6,149,779 | 10,449,958 | 0.12% | 2.26% | 1.39% | 0.98% | 2.83% | 2.07% | 1.76% | 3.32% | 2.67% |
| 2021 | 3,794,666 | 5,747,538 | 9,542,204 | 4,062,524 | 6,002,502 | 10,065,026 | 4,330,514 | 6,257,347 | 10,587,860 | -0.70% | 0.89% | 0.25% | 0.05% | 1.31% | 0.80% | 0.71% | 1.75% | 1.32% |
| 2022 | 3,788,836 | 5,854,907 | 9,643,744 | 4,083,411 | 6,136,056 | 10,219,467 | 4,377,799 | 6,417,947 | 10,795,747 | -0.15% | 1.87% | 1.06% | 0.51% | 2.22% | 1.53% | 1.09% | 2.57% | 1.96% |
| 2023 | 3,786,357 | 5,933,924 | 9,720,282 | 4,105,190 | 6,239,927 | 10,345,117 | 4,423,818 | 6,545,971 | 10,969,789 | -0.07% | 1.35% | 0.79% | 0.53% | 1.69% | 1.23% | 1.05% | 1.99% | 1.61% |
| 2024 | 3,804,298 | 6,068,232 | 9,872,531 | 4,147,227 | 6,398,700 | 10,545,927 | 4,490,284 | 6,730,429 | 11,220,714 | 0.47% | 2.26% | 1.57% | 1.02% | 2.54% | 1.94% | 1.50% | 2.82% | 2.29% |
| 2025 | 3,787,919 | 6,136,263 | 9,924,182 | 4,150,442 | 6,485,424 | 10,635,867 | 4,513,059 | 6,837,568 | 11,350,627 | -0.43% | 1.12% | 0.52% | 0.08% | 1.36% | 0.85% | 0.51% | 1.59% | 1.16% |
| 2026 | 3,791,145 | 6,263,434 | 10,054,579 | 4,173,540 | 6,632,543 | 10,806,083 | 4,556,142 | 7,004,190 | 11,560,332 | 0.09% | 2.07% | 1.31% | 0.56% | 2.27% | 1.60% | 0.95% | 2.44% | 1.85% |
| 2027 | 3,795,610 | 6,349,087 | 10,144,696 | 4,197,165 | 6,737,430 | 10,934,595 | 4,598,558 | 7,128,754 | 11,727,312 | 0.12% | 1.37% | 0.90% | 0.57% | 1.58% | 1.19% | 0.93% | 1.78% | 1.44% |
| 2028 | 3,818,101 | 6,496,136 | 10,314,237 | 4,239,553 | 6,904,529 | 11,144,083 | 4,660,945 | 7,314,894 | 11,975,839 | 0.59% | 2.32% | 1.67% | 1.01% | 2.48% | 1.92% | 1.36% | 2.61% | 2.12% |
| 2029 | 3,807,897 | 6,561,845 | 10,369,742 | 4,244,982 | 6,985,710 | 11,230,692 | 4,681,802 | 7,411,922 | 12,093,723 | -0.27% | 1.01% | 0.54% | 0.13% | 1.18% | 0.78% | 0.45% | 1.33% | 0.98% |
| 2030 | 3,815,884 | 6,690,588 | 10,506,473 | 4,269,318 | 7,130,205 | 11,399,523 | 4,723,140 | 7,572,574 | 12,295,714 | 0.21% | 1.96% | 1.32% | 0.57% | 2.07% | 1.50% | 0.88% | 2.17% | 1.67% |
| 2031 | 3,824,343 | 6,780,174 | 10,604,517 | 4,294,282 | 7,237,113 | 11,531,395 | 4,764,012 | 7,693,979 | 12,457,992 | 0.22% | 1.34% | 0.93% | 0.58% | 1.50% | 1.16% | 0.87% | 1.60% | 1.32% |
| 2032 | 3,851,980 | 6,934,650 | 10,786,631 | 4,339,472 | 7,410,302 | 11,749,773 | 4,827,374 | 7,884,430 | 12,711,805 | 0.72% | 2.28% | 1.72% | 1.05% | 2.39% | 1.89% | 1.33% | 2.48% | 2.04% |
| 2033 | 3,843,544 | 7,011,478 | 10,855,022 | 4,344,138 | 7,499,368 | 11,843,506 | 4,844,515 | 7,988,072 | 12,832,588 | -0.22% | 1.11% | 0.63% | 0.11% | 1.20% | 0.80% | 0.36% | 1.31% | 0.95% |
| 2034 | 3,854,280 | 7,133,468 | 10,987,748 | 4,369,523 | 7,636,422 | 12,005,945 | 4,884,842 | 8,139,159 | 13,024,001 | 0.28% | 1.74% | 1.22% | 0.58% | 1.83% | 1.37% | 0.83% | 1.89% | 1.49% |
| 2035 | 3,866,164 | 7,235,157 | 11,101,321 | 4,395,850 | 7,752,499 | 12,148,348 | 4,925,209 | 8,269,277 | 13,194,487 | 0.31% | 1.43% | 1.03% | 0.60% | 1.52% | 1.19% | 0.83% | 1.60% | 1.31% |
| 2036 | 3,896,540 | 7,385,891 | 11,282,431 | 4,442,272 | 7,918,619 | 12,360,891 | 4,988,096 | 8,451,134 | 13,439,231 | 0.79% | 2.08% | 1.63% | 1.06% | 2.14% | 1.75% | 1.28% | 2.20% | 1.85% |
| 2037 | 3,890,587 | 7,460,017 | 11,350,604 | 4,447,428 | 8,003,101 | 12,450,529 | 5,004,257 | 8,547,805 | 13,552,062 | -0.15% | 1.00% | 0.60% | 0.12% | 1.07% | 0.73% | 0.32% | 1.14% | 0.84% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,762 | 1,397 | 8,159 | 7,056 | 1,451 | 8,507 | 7,351 | 1,506 | 8,857 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,723 | 1,388 | 8,111 | 7,090 | 1,458 | 8,548 | 7,456 | 1,528 | 8,984 | -0.57% | -0.64% | -0.58% | 0.47% | 0.48% | 0.48% | 1.43% | 1.47% | 1.44% |
| 2020 | 6,698 | 1,383 | 8,081 | 7,123 | 1,466 | 8,589 | 7,548 | 1,548 | 9,096 | -0.37% | -0.38% | -0.37% | 0.48% | 0.51% | 0.48% | 1.24% | 1.29% | 1.25% |
| 2021 | 6,681 | 1,380 | 8,061 | 7,158 | 1,473 | 8,631 | 7,634 | 1,566 | 9,201 | -0.26% | -0.24% | -0.26% | 0.48% | 0.48% | 0.48% | 1.14% | 1.18% | 1.15% |
| 2022 | 6,670 | 1,378 | 8,047 | 7,193 | 1,481 | 8,673 | 7,716 | 1,584 | 9,299 | -0.17% | -0.14% | -0.17% | 0.49% | 0.52% | 0.50% | 1.07% | 1.10% | 1.07% |
| 2023 | 6,663 | 1,376 | 8,039 | 7,229 | 1,489 | 8,717 | 7,794 | 1,600 | 9,395 | -0.10% | -0.08% | -0.10% | 0.50% | 0.54% | 0.50% | 1.02% | 1.06% | 1.02% |
| 2024 | 6,660 | 1,376 | 8,036 | 7,265 | 1,496 | 8,762 | 7,871 | 1,618 | 9,488 | -0.04% | -0.01% | -0.04% | 0.51% | 0.53% | 0.51% | 0.98% | 1.07% | 1.00% |
| 2025 | 6,660 | 1,377 | 8,037 | 7,303 | 1,505 | 8,807 | 7,945 | 1,633 | 9,579 | 0.00% | 0.04% | 0.01% | 0.51% | 0.54% | 0.52% | 0.95% | 0.98% | 0.95% |
| 2026 | 6,663 | 1,378 | 8,041 | 7,341 | 1,513 | 8,854 | 8,018 | 1,649 | 9,667 | 0.05% | 0.10% | 0.05% | 0.52% | 0.58% | 0.53% | 0.92% | 0.96% | 0.93% |
| 2027 | 6,668 | 1,380 | 8,048 | 7,380 | 1,522 | 8,901 | 8,091 | 1,665 | 9,756 | 0.08% | 0.12% | 0.09% | 0.53% | 0.56% | 0.54% | 0.90% | 0.94% | 0.91% |
| 2028 | 6,676 | 1,382 | 8,058 | 7,419 | 1,531 | 8,950 | 8,162 | 1,680 | 9,842 | 0.11% | 0.17% | 0.12% | 0.53% | 0.59% | 0.54% | 0.88% | 0.93% | 0.89% |
| 2029 | 6,685 | 1,385 | 8,070 | 7,459 | 1,539 | 8,998 | 8,232 | 1,695 | 9,927 | 0.14% | 0.17% | 0.14% | 0.54% | 0.55% | 0.54% | 0.86% | 0.88% | 0.86% |
| 2030 | 6,697 | 1,388 | 8,085 | 7,500 | 1,548 | 9,048 | 8,303 | 1,710 | 10,013 | 0.17% | 0.25% | 0.18% | 0.55% | 0.60% | 0.55% | 0.86% | 0.89% | 0.86% |
| 2031 | 6,710 | 1,391 | 8,100 | 7,541 | 1,558 | 9,099 | 8,372 | 1,725 | 10,097 | 0.19% | 0.20% | 0.19% | 0.55% | 0.59% | 0.56% | 0.84% | 0.85% | 0.84% |
| 2032 | 6,724 | 1,394 | 8,118 | 7,582 | 1,567 | 9,150 | 8,441 | 1,740 | 10,181 | 0.21% | 0.26% | 0.22% | 0.55% | 0.63% | 0.56% | 0.83% | 0.88% | 0.84% |
| 2033 | 6,739 | 1,398 | 8,137 | 7,625 | 1,577 | 9,202 | 8,510 | 1,755 | 10,265 | 0.23% | 0.27% | 0.23% | 0.56% | 0.59% | 0.57% | 0.81% | 0.87% | 0.82% |
| 2034 | 6,756 | 1,402 | 8,158 | 7,667 | 1,586 | 9,253 | 8,578 | 1,770 | 10,348 | 0.24% | 0.29% | 0.25% | 0.55% | 0.59% | 0.56% | 0.81% | 0.84% | 0.81% |
| 2035 | 6,773 | 1,406 | 8,179 | 7,710 | 1,595 | 9,305 | 8,646 | 1,784 | 10,430 | 0.26% | 0.28% | 0.26% | 0.56% | 0.59% | 0.56% | 0.78% | 0.81% | 0.79% |
| 2036 | 6,792 | 1,411 | 8,203 | 7,753 | 1,605 | 9,357 | 8,713 | 1,799 | 10,512 | 0.28% | 0.34% | 0.29% | 0.56% | 0.60% | 0.56% | 0.78% | 0.80% | 0.78% |
| 2037 | 6,811 | 1,415 | 8,226 | 7,796 | 1,614 | 9,409 | 8,780 | 1,813 | 10,593 | 0.28% | 0.28% | 0.28% | 0.56% | 0.56% | 0.56% | 0.77% | 0.78% | 0.77% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 19.60% |
| Medium: | 10.60% |
| Low: | 0.82% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

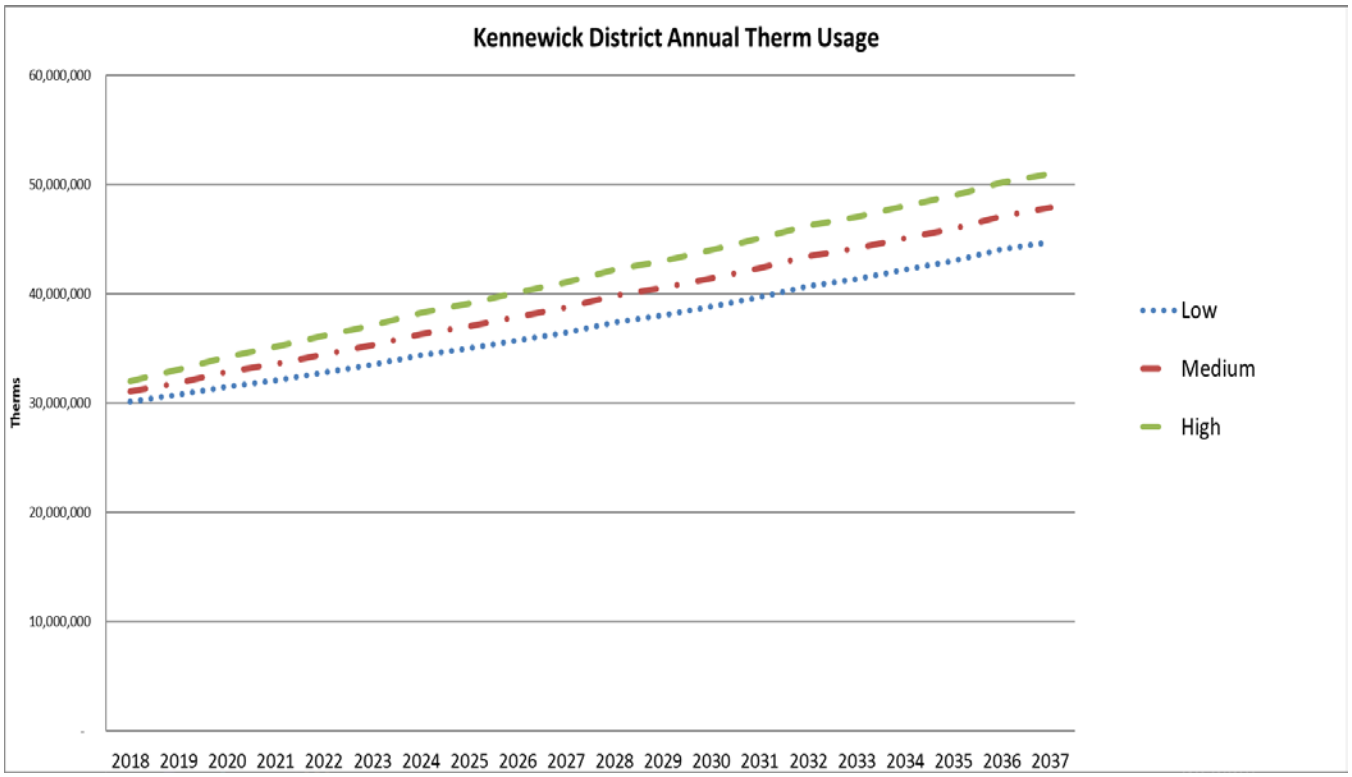
## Kennewick District

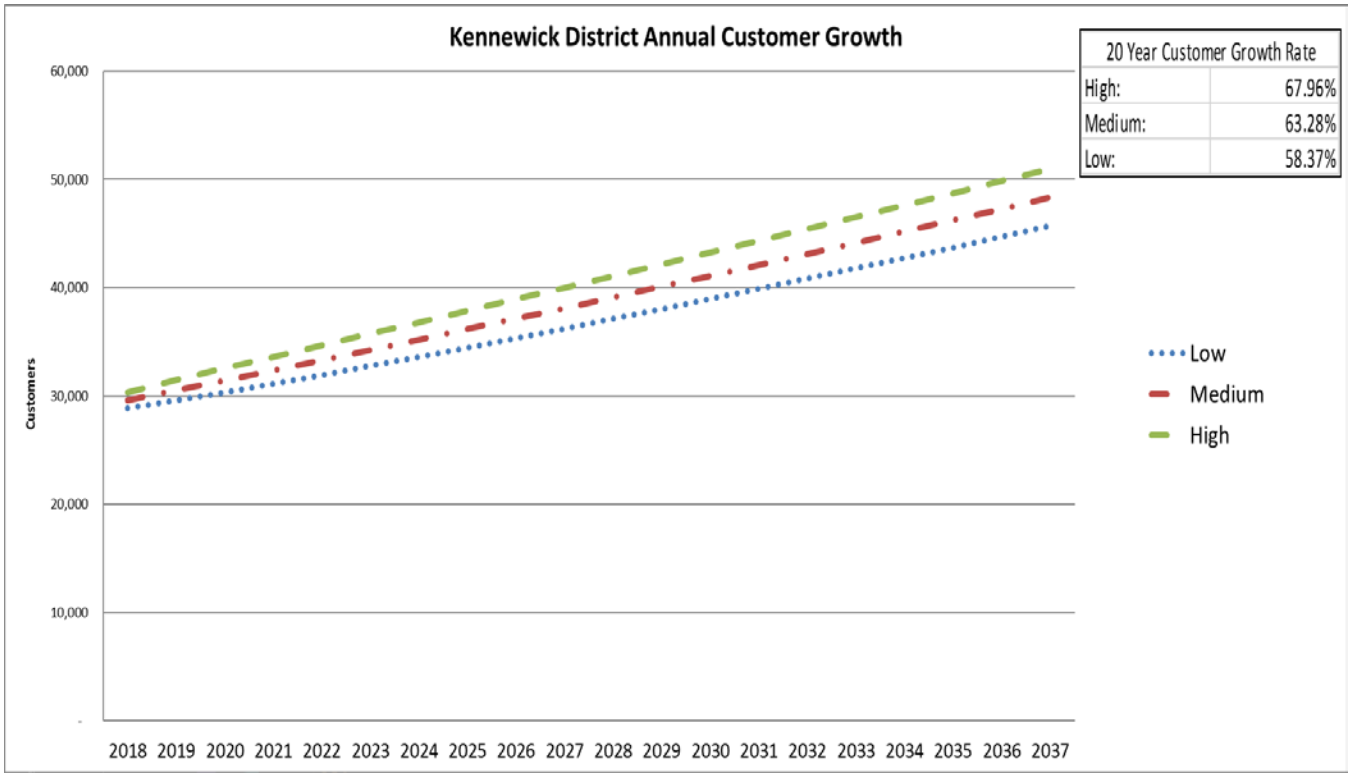
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 20,159,491 | 9,986,837 | 30,146,327 | 20,734,890 | 10,338,704 | 31,073,594 | 21,302,665 | 10,681,052 | 31,983,718 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 20,577,371 | 10,194,253 | 30,771,624 | 21,295,210 | 10,598,919 | 31,894,129 | 22,028,537 | 11,049,736 | 33,078,273 | 2.07% | 2.08% | 2.07% | 2.70% | 2.52% | 2.64% | 3.41% | 3.45% | 3.42% |
| 2020 | 21,133,747 | 10,369,299 | 31,503,045 | 22,000,433 | 10,859,800 | 32,860,233 | 22,837,026 | 11,400,448 | 34,237,475 | 2.70% | 1.72% | 2.38% | 3.31% | 2.46% | 3.03% | 3.67% | 3.17% | 3.50% |
| 2021 | 21,500,799 | 10,583,220 | 32,084,019 | 22,436,219 | 11,159,466 | 33,595,685 | 23,401,275 | 11,744,313 | 35,145,588 | 1.74% | 2.06% | 1.84% | 1.98% | 2.76% | 2.24% | 2.47% | 3.02% | 2.65% |
| 2022 | 21,997,665 | 10,803,165 | 32,800,830 | 23,024,399 | 11,434,329 | 34,458,728 | 24,108,785 | 12,053,178 | 36,161,963 | 2.31% | 2.08% | 2.23% | 2.62% | 2.46% | 2.57% | 3.02% | 2.63% | 2.89% |
| 2023 | 22,453,071 | 11,066,643 | 33,519,715 | 23,602,651 | 11,700,125 | 35,302,776 | 24,772,705 | 12,355,450 | 37,128,155 | 2.07% | 2.44% | 2.19% | 2.51% | 2.32% | 2.45% | 2.75% | 2.51% | 2.67% |
| 2024 | 23,099,146 | 11,297,336 | 34,396,482 | 24,335,843 | 11,999,949 | 36,335,792 | 25,610,485 | 12,698,820 | 38,309,305 | 2.88% | 2.08% | 2.62% | 3.11% | 2.56% | 2.93% | 3.38% | 2.78% | 3.18% |
| 2025 | 23,466,967 | 11,542,285 | 35,009,251 | 24,799,102 | 12,268,905 | 37,068,007 | 26,128,406 | 13,044,930 | 39,173,336 | 1.59% | 2.17% | 1.78% | 1.90% | 2.24% | 2.02% | 2.02% | 2.73% | 2.26% |
| 2026 | 23,972,070 | 11,749,321 | 35,721,391 | 25,392,883 | 12,539,469 | 37,932,352 | 26,801,272 | 13,348,316 | 40,149,588 | 2.15% | 1.79% | 2.03% | 2.39% | 2.21% | 2.33% | 2.58% | 2.33% | 2.49% |
| 2027 | 24,499,715 | 11,991,860 | 36,491,575 | 25,982,758 | 12,812,597 | 38,795,354 | 27,464,325 | 13,649,101 | 41,113,426 | 2.20% | 2.06% | 2.16% | 2.32% | 2.18% | 2.28% | 2.47% | 2.25% | 2.40% |
| 2028 | 25,183,539 | 12,235,114 | 37,418,653 | 26,743,615 | 13,083,080 | 39,826,696 | 28,292,081 | 13,954,555 | 42,246,636 | 2.79% | 2.03% | 2.54% | 2.93% | 2.11% | 2.66% | 3.01% | 2.24% | 2.76% |
| 2029 | 25,583,440 | 12,480,533 | 38,063,973 | 27,192,107 | 13,373,059 | 40,565,165 | 28,753,367 | 14,290,175 | 43,043,542 | 1.59% | 2.01% | 1.72% | 1.68% | 2.22% | 1.85% | 1.63% | 2.41% | 1.89% |
| 2030 | 26,126,844 | 12,731,627 | 38,858,471 | 27,796,294 | 13,649,568 | 41,445,862 | 29,424,797 | 14,595,075 | 44,019,872 | 2.12% | 2.01% | 2.09% | 2.22% | 2.07% | 2.17% | 2.34% | 2.13% | 2.27% |
| 2031 | 26,717,685 | 12,983,461 | 39,701,146 | 28,407,173 | 13,962,729 | 42,369,902 | 30,148,561 | 14,930,059 | 45,078,620 | 2.26% | 1.98% | 2.17% | 2.20% | 2.29% | 2.23% | 2.46% | 2.30% | 2.41% |
| 2032 | 27,462,903 | 13,238,723 | 40,701,626 | 29,217,582 | 14,243,888 | 43,461,469 | 31,018,965 | 15,235,640 | 46,254,606 | 2.79% | 1.97% | 2.52% | 2.85% | 2.01% | 2.58% | 2.89% | 2.05% | 2.61% |
| 2033 | 27,856,235 | 13,497,217 | 41,353,453 | 29,647,671 | 14,524,201 | 44,171,872 | 31,493,231 | 15,542,141 | 47,035,372 | 1.43% | 1.95% | 1.60% | 1.47% | 1.97% | 1.63% | 1.53% | 2.01% | 1.69% |
| 2034 | 28,395,815 | 13,802,104 | 42,197,919 | 30,273,579 | 14,807,641 | 45,081,219 | 32,173,857 | 15,861,089 | 48,034,946 | 1.94% | 2.26% | 2.04% | 2.11% | 1.95% | 2.06% | 2.16% | 2.05% | 2.13% |
| 2035 | 28,978,594 | 14,063,488 | 43,042,083 | 30,905,746 | 15,090,467 | 45,996,212 | 32,854,280 | 16,168,431 | 49,022,711 | 2.05% | 1.89% | 2.00% | 2.09% | 1.91% | 2.03% | 2.11% | 1.94% | 2.06% |
| 2036 | 29,743,051 | 14,327,883 | 44,070,934 | 31,729,999 | 15,379,175 | 47,109,174 | 33,736,272 | 16,478,561 | 50,214,833 | 2.64% | 1.88% | 2.39% | 2.67% | 1.91% | 2.42% | 2.68% | 1.92% | 2.43% |
| 2037 | 30,148,333 | 14,594,743 | 44,743,076 | 32,188,496 | 15,703,126 | 47,891,622 | 34,212,100 | 16,787,702 | 50,999,802 | 1.36% | 1.86% | 1.53% | 1.44% | 2.11% | 1.66% | 1.41% | 1.88% | 1.56% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 27,361 | 364,200 | 391,561 | 28,325 | 369,237 | 397,562 | 29,263 | 374,352 | 403,616 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 27,929 | 374,117 | 402,046 | 29,038 | 379,170 | 408,208 | 30,273 | 384,151 | 414,424 | 2.08% | 2.72% | 2.68% | 2.52% | 2.69% | 2.68% | 3.45% | 2.62% | 2.68% |
| 2020 | 28,409 | 384,113 | 412,522 | 29,753 | 389,091 | 418,844 | 31,234 | 393,988 | 425,222 | 1.72% | 2.67% | 2.61% | 2.46% | 2.62% | 2.61% | 3.17% | 2.56% | 2.61% |
| 2021 | 28,995 | 394,208 | 423,203 | 30,574 | 399,115 | 429,689 | 32,176 | 404,056 | 436,232 | 2.06% | 2.63% | 2.59% | 2.76% | 2.58% | 2.59% | 3.02% | 2.56% | 2.59% |
| 2022 | 29,598 | 404,511 | 434,109 | 31,327 | 409,435 | 440,762 | 33,022 | 414,451 | 447,474 | 2.08% | 2.61% | 2.58% | 2.46% | 2.59% | 2.58% | 2.63% | 2.57% | 2.58% |
| 2023 | 30,320 | 414,486 | 444,806 | 32,055 | 419,568 | 451,623 | 33,851 | 424,649 | 458,500 | 2.44% | 2.47% | 2.46% | 2.32% | 2.47% | 2.46% | 2.51% | 2.46% | 2.46% |
| 2024 | 30,952 | 425,201 | 456,153 | 32,877 | 430,268 | 463,144 | 34,791 | 435,405 | 470,196 | 2.08% | 2.59% | 2.55% | 2.56% | 2.55% | 2.55% | 2.78% | 2.53% | 2.55% |
| 2025 | 31,623 | 435,301 | 466,924 | 33,613 | 440,466 | 474,080 | 35,740 | 445,559 | 481,299 | 2.17% | 2.38% | 2.36% | 2.24% | 2.37% | 2.36% | 2.73% | 2.33% | 2.36% |
| 2026 | 32,190 | 445,738 | 477,928 | 34,355 | 450,898 | 485,253 | 36,571 | 456,071 | 492,642 | 1.79% | 2.40% | 2.36% | 2.21% | 2.37% | 2.36% | 2.33% | 2.36% | 2.36% |
| 2027 | 32,854 | 456,060 | 488,914 | 35,103 | 461,304 | 496,407 | 37,395 | 466,571 | 503,966 | 2.06% | 2.32% | 2.30% | 2.18% | 2.31% | 2.30% | 2.25% | 2.30% | 2.30% |
| 2028 | 33,521 | 466,443 | 499,964 | 35,844 | 471,782 | 507,626 | 38,232 | 477,124 | 515,356 | 2.03% | 2.28% | 2.26% | 2.11% | 2.27% | 2.26% | 2.24% | 2.26% | 2.26% |
| 2029 | 34,193 | 477,044 | 511,238 | 36,639 | 482,434 | 519,073 | 39,151 | 487,826 | 526,977 | 2.01% | 2.27% | 2.25% | 2.22% | 2.26% | 2.25% | 2.41% | 2.24% | 2.25% |
| 2030 | 34,881 | 487,599 | 522,480 | 37,396 | 493,092 | 530,488 | 39,987 | 498,579 | 538,565 | 2.01% | 2.21% | 2.20% | 2.07% | 2.21% | 2.20% | 2.13% | 2.20% | 2.20% |
| 2031 | 35,571 | 498,171 | 533,742 | 38,254 | 503,668 | 541,922 | 40,904 | 509,270 | 550,174 | 1.98% | 2.17% | 2.16% | 2.29% | 2.14% | 2.16% | 2.30% | 2.14% | 2.16% |
| 2032 | 36,270 | 509,040 | 545,310 | 39,024 | 514,643 | 553,668 | 41,741 | 520,357 | 562,098 | 1.97% | 2.18% | 2.17% | 2.01% | 2.18% | 2.17% | 2.05% | 2.18% | 2.17% |
| 2033 | 36,979 | 519,792 | 556,770 | 39,792 | 525,511 | 565,303 | 42,581 | 531,330 | 573,911 | 1.95% | 2.11% | 2.10% | 1.97% | 2.11% | 2.10% | 2.01% | 2.11% | 2.10% |
| 2034 | 37,814 | 530,530 | 568,344 | 40,569 | 536,486 | 577,055 | 43,455 | 542,387 | 585,842 | 2.26% | 2.07% | 2.08% | 1.95% | 2.09% | 2.08% | 2.05% | 2.08% | 2.08% |
| 2035 | 38,530 | 541,246 | 579,776 | 41,344 | 547,318 | 588,662 | 44,297 | 553,328 | 597,625 | 1.89% | 2.02% | 2.01% | 1.91% | 2.02% | 2.01% | 1.94% | 2.02% | 2.01% |
| 2036 | 39,254 | 552,180 | 591,434 | 42,135 | 558,364 | 600,499 | 45,147 | 564,496 | 609,643 | 1.88% | 2.02% | 2.01% | 1.91% | 2.02% | 2.01% | 1.92% | 2.02% | 2.01% |
| 2037 | 39,986 | 563,579 | 603,564 | 43,022 | 569,792 | 612,815 | 45,994 | 576,152 | 622,146 | 1.86% | 2.06% | 2.05% | 2.11% | 2.05% | 2.05% | 1.88% | 2.06% | 2.05% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 14,948,052 | 15,198,275 | 30,146,327 | 15,322,837 | 15,750,757 | 31,073,594 | 15,697,687 | 16,286,031 | 31,983,718 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 15,338,947 | 15,432,678 | 30,771,624 | 15,817,663 | 16,076,466 | 31,894,129 | 16,296,613 | 16,781,659 | 33,078,273 | 2.62% | 1.54% | 2.07% | 3.23% | 2.07% | 2.64% | 3.82% | 3.04% | 3.42% |
| 2020 | 15,821,150 | 15,681,896 | 31,503,045 | 16,387,494 | 16,472,739 | 32,860,233 | 16,953,385 | 17,284,090 | 34,237,475 | 3.14% | 1.61% | 2.38% | 3.60% | 2.46% | 3.03% | 4.03% | 2.99% | 3.50% |
| 2021 | 16,181,614 | 15,902,405 | 32,084,019 | 16,818,690 | 16,776,995 | 33,595,685 | 17,456,018 | 17,689,570 | 35,145,588 | 2.28% | 1.41% | 1.84% | 2.63% | 1.85% | 2.24% | 2.96% | 2.35% | 2.65% |
| 2022 | 16,620,483 | 16,180,347 | 32,800,830 | 17,323,499 | 17,135,228 | 34,458,728 | 18,026,625 | 18,135,338 | 36,161,963 | 2.71% | 1.75% | 2.23% | 3.00% | 2.14% | 2.57% | 3.27% | 2.52% | 2.89% |
| 2023 | 17,070,760 | 16,448,955 | 33,519,715 | 17,833,807 | 17,468,969 | 35,302,776 | 18,597,133 | 18,531,022 | 37,128,155 | 2.71% | 1.66% | 2.19% | 2.95% | 1.95% | 2.45% | 3.16% | 2.18% | 2.67% |
| 2024 | 17,607,517 | 16,788,965 | 34,396,482 | 18,429,877 | 17,905,914 | 36,335,792 | 19,251,779 | 19,057,526 | 38,309,305 | 3.14% | 2.07% | 2.62% | 3.34% | 2.50% | 2.93% | 3.52% | 2.84% | 3.18% |
| 2025 | 17,996,819 | 17,012,432 | 35,009,251 | 18,867,973 | 18,200,034 | 37,068,007 | 19,738,873 | 19,434,463 | 39,173,336 | 2.21% | 1.33% | 1.78% | 2.38% | 1.64% | 2.02% | 2.53% | 1.98% | 2.26% |
| 2026 | 18,469,900 | 17,251,491 | 35,721,391 | 19,390,268 | 18,542,084 | 37,932,352 | 20,310,385 | 19,839,203 | 40,149,588 | 2.63% | 1.41% | 2.03% | 2.77% | 1.88% | 2.33% | 2.90% | 2.08% | 2.49% |
| 2027 | 18,950,081 | 17,541,494 | 36,491,575 | 19,916,444 | 18,878,910 | 38,795,354 | 20,883,687 | 20,229,739 | 41,113,426 | 2.60% | 1.68% | 2.16% | 2.71% | 1.82% | 2.28% | 2.82% | 1.97% | 2.40% |
| 2028 | 19,517,787 | 17,900,866 | 37,418,653 | 20,533,671 | 19,293,025 | 39,826,696 | 21,549,539 | 20,697,096 | 42,246,636 | 3.00% | 2.05% | 2.54% | 3.10% | 2.19% | 2.66% | 3.19% | 2.31% | 2.76% |
| 2029 | 19,928,402 | 18,135,571 | 38,063,973 | 20,982,384 | 19,582,782 | 40,565,165 | 22,036,488 | 21,007,054 | 43,043,542 | 2.10% | 1.31% | 1.72% | 2.19% | 1.50% | 1.85% | 2.26% | 1.50% | 1.89% |
| 2030 | 20,426,605 | 18,431,866 | 38,858,471 | 21,521,577 | 19,924,285 | 41,445,862 | 22,617,101 | 21,402,771 | 44,019,872 | 2.50% | 1.63% | 2.09% | 2.57% | 1.74% | 2.17% | 2.63% | 1.88% | 2.27% |
| 2031 | 20,930,545 | 18,770,601 | 39,701,146 | 22,065,161 | 20,304,741 | 42,369,902 | 23,199,431 | 21,879,189 | 45,078,620 | 2.47% | 1.84% | 2.17% | 2.53% | 1.91% | 2.23% | 2.57% | 2.23% | 2.41% |
| 2032 | 21,533,430 | 19,168,197 | 40,701,626 | 22,711,820 | 20,749,649 | 43,461,469 | 23,889,679 | 22,364,926 | 46,254,606 | 2.88% | 2.12% | 2.52% | 2.93% | 2.19% | 2.58% | 2.98% | 2.22% | 2.61% |
| 2033 | 21,953,232 | 19,400,221 | 41,353,453 | 23,162,986 | 21,008,886 | 44,171,872 | 24,372,836 | 22,662,537 | 47,035,372 | 1.95% | 1.21% | 1.60% | 1.99% | 1.25% | 1.63% | 2.02% | 1.33% | 1.69% |
| 2034 | 22,473,646 | 19,724,272 | 42,197,919 | 23,719,348 | 21,361,871 | 45,081,219 | 24,964,541 | 23,070,405 | 48,034,946 | 2.37% | 1.67% | 2.04% | 2.40% | 1.68% | 2.06% | 2.43% | 1.80% | 2.13% |
| 2035 | 23,000,973 | 20,041,109 | 43,042,083 | 24,281,313 | 21,714,899 | 45,996,212 | 25,561,860 | 23,460,851 | 49,022,711 | 2.35% | 1.61% | 2.00% | 2.37% | 1.65% | 2.03% | 2.39% | 1.69% | 2.06% |
| 2036 | 23,634,630 | 20,436,304 | 44,070,934 | 24,955,082 | 22,154,092 | 47,109,174 | 26,275,352 | 23,939,481 | 50,214,833 | 2.75% | 1.97% | 2.39% | 2.77% | 2.02% | 2.42% | 2.79% | 2.04% | 2.43% |
| 2037 | 24,067,919 | 20,675,156 | 44,743,076 | 25,415,458 | 22,476,165 | 47,891,622 | 26,762,970 | 24,236,832 | 50,999,802 | 1.83% | 1.17% | 1.53% | 1.84% | 1.45% | 1.66% | 1.86% | 1.24% | 1.56% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25,427 | 3,441 | 28,868 | 26,065 | 3,544 | 29,609 | 26,703 | 3,647 | 30,350 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 26,094 | 3,493 | 29,588 | 26,905 | 3,622 | 30,527 | 27,716 | 3,753 | 31,469 | 2.62% | 1.53% | 2.49% | 3.22% | 2.18% | 3.10% | 3.80% | 2.90% | 3.69% |
| 2020 | 26,799 | 3,549 | 30,347 | 27,752 | 3,700 | 31,453 | 28,705 | 3,854 | 32,560 | 2.70% | 1.58% | 2.57% | 3.15% | 2.18% | 3.03% | 3.57% | 2.70% | 3.47% |
| 2021 | 27,530 | 3,608 | 31,138 | 28,606 | 3,780 | 32,387 | 29,683 | 3,953 | 33,635 | 2.73% | 1.67% | 2.60% | 3.08% | 2.16% | 2.97% | 3.40% | 2.56% | 3.30% |
| 2022 | 28,280 | 3,670 | 31,950 | 29,467 | 3,860 | 33,326 | 30,654 | 4,049 | 34,703 | 2.73% | 1.73% | 2.61% | 3.01% | 2.10% | 2.90% | 3.27% | 2.44% | 3.17% |
| 2023 | 29,047 | 3,734 | 32,782 | 30,335 | 3,939 | 34,274 | 31,623 | 4,144 | 35,766 | 2.71% | 1.75% | 2.60% | 2.95% | 2.05% | 2.84% | 3.16% | 2.33% | 3.06% |
| 2024 | 29,829 | 3,799 | 33,628 | 31,210 | 4,019 | 35,229 | 32,591 | 4,239 | 36,830 | 2.69% | 1.74% | 2.58% | 2.89% | 2.04% | 2.79% | 3.06% | 2.31% | 2.97% |
| 2025 | 30,623 | 3,867 | 34,489 | 32,092 | 4,100 | 36,192 | 33,561 | 4,334 | 37,895 | 2.66% | 1.77% | 2.56% | 2.83% | 2.00% | 2.73% | 2.98% | 2.24% | 2.89% |
| 2026 | 31,429 | 3,934 | 35,363 | 32,981 | 4,181 | 37,162 | 34,533 | 4,427 | 38,960 | 2.63% | 1.74% | 2.53% | 2.77% | 1.97% | 2.68% | 2.90% | 2.15% | 2.81% |
| 2027 | 32,248 | 4,003 | 36,250 | 33,877 | 4,261 | 38,138 | 35,508 | 4,521 | 40,029 | 2.60% | 1.75% | 2.51% | 2.72% | 1.92% | 2.63% | 2.82% | 2.11% | 2.74% |
| 2028 | 33,076 | 4,072 | 37,148 | 34,781 | 4,342 | 39,123 | 36,487 | 4,614 | 41,100 | 2.57% | 1.73% | 2.48% | 2.67% | 1.91% | 2.58% | 2.76% | 2.06% | 2.68% |
| 2029 | 33,916 | 4,142 | 38,059 | 35,693 | 4,425 | 40,118 | 37,470 | 4,706 | 42,176 | 2.54% | 1.74% | 2.45% | 2.62% | 1.91% | 2.54% | 2.70% | 2.01% | 2.62% |
| 2030 | 34,766 | 4,213 | 38,979 | 36,612 | 4,507 | 41,119 | 38,458 | 4,799 | 43,257 | 2.51% | 1.71% | 2.42% | 2.57% | 1.85% | 2.49% | 2.64% | 1.97% | 2.56% |
| 2031 | 35,626 | 4,285 | 39,911 | 37,539 | 4,589 | 42,127 | 39,450 | 4,893 | 44,343 | 2.47% | 1.70% | 2.39% | 2.53% | 1.82% | 2.45% | 2.58% | 1.95% | 2.51% |
| 2032 | 36,496 | 4,358 | 40,854 | 38,472 | 4,672 | 43,145 | 40,449 | 4,985 | 45,433 | 2.44% | 1.72% | 2.36% | 2.49% | 1.82% | 2.41% | 2.53% | 1.88% | 2.46% |
| 2033 | 37,375 | 4,431 | 41,807 | 39,414 | 4,755 | 44,169 | 41,452 | 5,077 | 46,529 | 2.41% | 1.68% | 2.33% | 2.45% | 1.76% | 2.37% | 2.48% | 1.85% | 2.41% |
| 2034 | 38,264 | 4,506 | 42,770 | 40,363 | 4,838 | 45,201 | 42,461 | 5,171 | 47,633 | 2.38% | 1.69% | 2.31% | 2.41% | 1.75% | 2.34% | 2.43% | 1.86% | 2.37% |
| 2035 | 39,162 | 4,581 | 43,743 | 41,319 | 4,921 | 46,240 | 43,477 | 5,264 | 48,741 | 2.35% | 1.66% | 2.27% | 2.37% | 1.72% | 2.30% | 2.39% | 1.79% | 2.33% |
| 2036 | 40,069 | 4,657 | 44,725 | 42,283 | 5,005 | 47,289 | 44,498 | 5,356 | 49,854 | 2.32% | 1.65% | 2.25% | 2.33% | 1.71% | 2.27% | 2.35% | 1.75% | 2.29% |
| 2037 | 40,985 | 4,732 | 45,717 | 43,255 | 5,091 | 48,346 | 45,525 | 5,449 | 50,975 | 2.29% | 1.62% | 2.22% | 2.30% | 1.70% | 2.24% | 2.31% | 1.74% | 2.25% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 67.96% |
| Medium: | 63.28% |
| Low: | 58.37% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

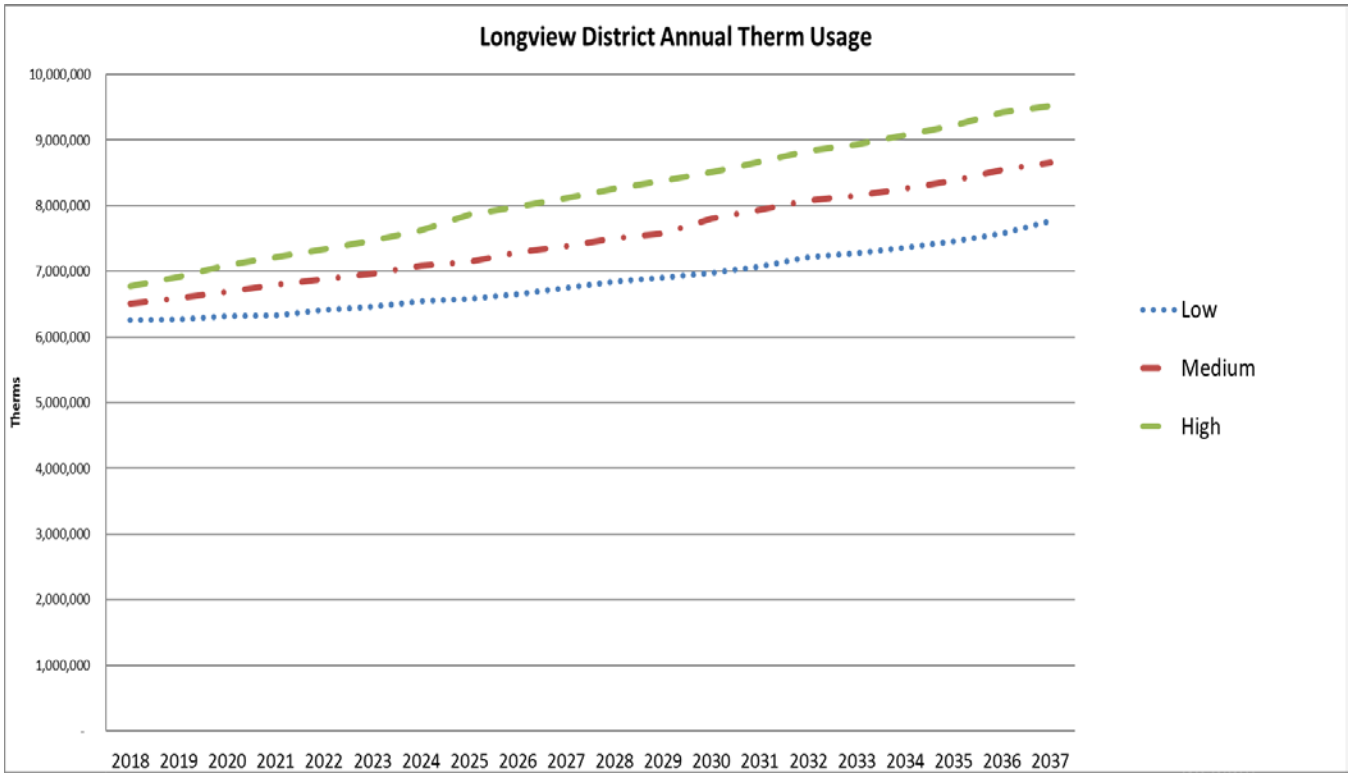
## Longview District

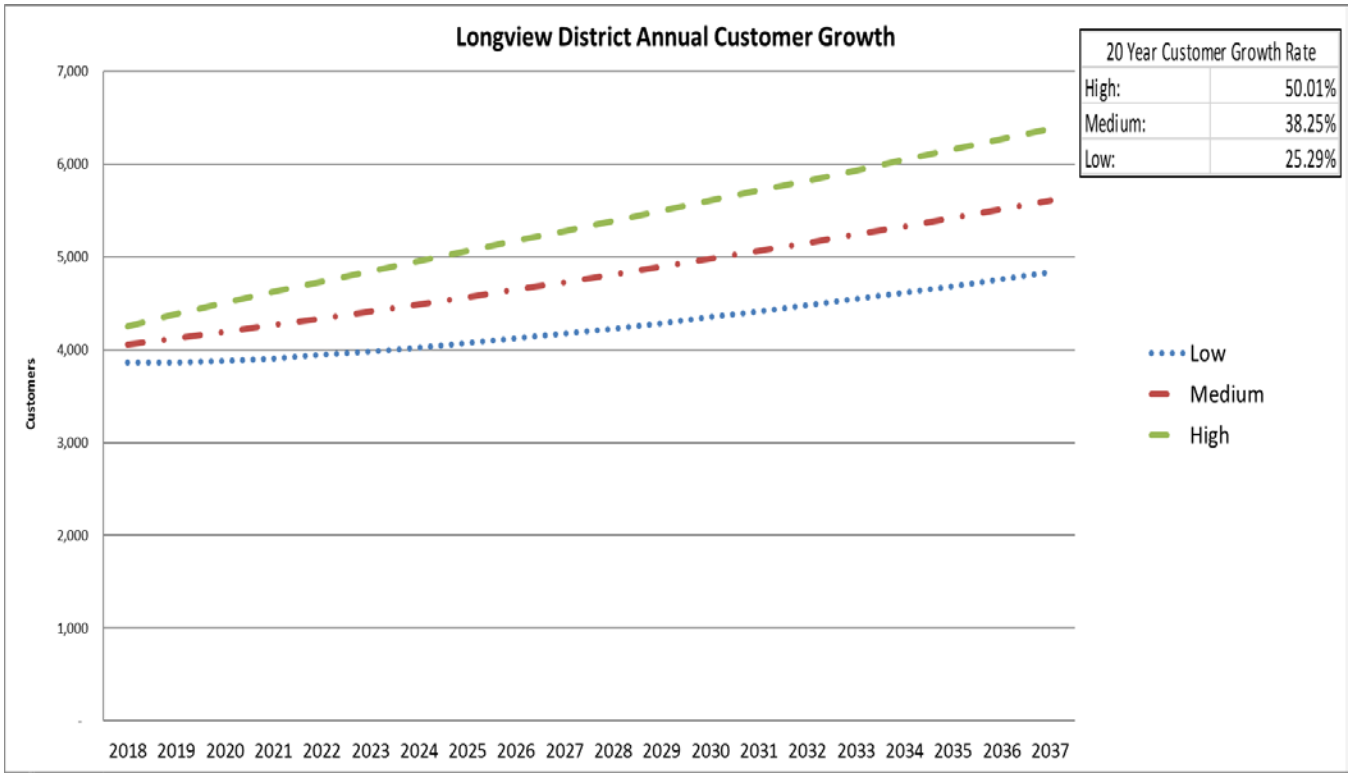
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 3,568,476 | 2,686,383 | 6,254,859 | 3,713,772 | 2,800,106 | 6,513,878 | 3,859,335 | 2,913,626 | 6,772,960 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 3,570,693 | 2,695,206 | 6,265,898 | 3,761,828 | 2,828,805 | 6,590,633 | 3,951,675 | 2,964,224 | 6,915,899 | 0.06% | 0.33% | 0.18% | 1.29% | 1.02% | 1.18% | 2.39% | 1.74% | 2.11% |
| 2020 | 3,612,295 | 2,704,138 | 6,316,433 | 3,840,162 | 2,855,378 | 6,695,540 | 4,076,953 | 3,017,437 | 7,094,390 | 1.17% | 0.33% | 0.81% | 2.08% | 0.94% | 1.59% | 3.17% | 1.80% | 2.58% |
| 2021 | 3,609,884 | 2,715,585 | 6,325,469 | 3,880,090 | 2,917,230 | 6,797,321 | 4,135,968 | 3,086,077 | 7,222,045 | -0.07% | 0.42% | 0.14% | 1.04% | 2.17% | 1.52% | 1.45% | 2.27% | 1.80% |
| 2022 | 3,650,119 | 2,761,012 | 6,411,132 | 3,929,698 | 2,947,523 | 6,877,221 | 4,212,713 | 3,129,813 | 7,342,526 | 1.11% | 1.67% | 1.35% | 1.28% | 1.04% | 1.18% | 1.86% | 1.42% | 1.67% |
| 2023 | 3,680,791 | 2,782,412 | 6,463,203 | 3,987,167 | 2,976,974 | 6,964,141 | 4,292,667 | 3,174,374 | 7,467,041 | 0.84% | 0.78% | 0.81% | 1.46% | 1.00% | 1.26% | 1.90% | 1.42% | 1.70% |
| 2024 | 3,743,697 | 2,799,975 | 6,543,672 | 4,073,928 | 3,010,677 | 7,084,604 | 4,404,222 | 3,219,318 | 7,623,540 | 1.71% | 0.63% | 1.25% | 2.18% | 1.13% | 1.73% | 2.60% | 1.42% | 2.10% |
| 2025 | 3,754,604 | 2,825,109 | 6,579,713 | 4,102,223 | 3,044,853 | 7,147,075 | 4,449,789 | 3,413,423 | 7,863,212 | 0.29% | 0.90% | 0.55% | 0.69% | 1.14% | 0.88% | 1.03% | 6.03% | 3.14% |
| 2026 | 3,804,992 | 2,851,979 | 6,656,971 | 4,180,108 | 3,105,685 | 7,285,793 | 4,527,574 | 3,459,085 | 7,986,659 | 1.34% | 0.95% | 1.17% | 1.90% | 2.00% | 1.94% | 1.75% | 1.34% | 1.57% |
| 2027 | 3,854,227 | 2,901,479 | 6,755,706 | 4,239,960 | 3,143,396 | 7,383,355 | 4,607,636 | 3,503,920 | 8,111,556 | 1.29% | 1.74% | 1.48% | 1.43% | 1.21% | 1.34% | 1.77% | 1.30% | 1.56% |
| 2028 | 3,919,663 | 2,927,341 | 6,847,004 | 4,327,971 | 3,178,838 | 7,506,809 | 4,713,689 | 3,549,965 | 8,263,654 | 1.70% | 0.89% | 1.35% | 2.08% | 1.13% | 1.67% | 2.30% | 1.31% | 1.88% |
| 2029 | 3,946,366 | 2,954,375 | 6,900,741 | 4,365,519 | 3,216,573 | 7,582,092 | 4,780,031 | 3,601,791 | 8,381,822 | 0.68% | 0.92% | 0.78% | 0.87% | 1.19% | 1.00% | 1.41% | 1.46% | 1.43% |
| 2030 | 3,994,045 | 2,984,433 | 6,978,478 | 4,422,327 | 3,379,652 | 7,801,979 | 4,859,914 | 3,649,130 | 8,509,044 | 1.21% | 1.02% | 1.13% | 1.30% | 5.07% | 2.90% | 1.67% | 1.31% | 1.52% |
| 2031 | 4,055,630 | 3,019,721 | 7,075,351 | 4,495,046 | 3,441,418 | 7,936,464 | 4,947,459 | 3,720,202 | 8,667,661 | 1.54% | 1.18% | 1.39% | 1.64% | 1.83% | 1.72% | 1.80% | 1.95% | 1.86% |
| 2032 | 4,143,053 | 3,074,333 | 7,217,385 | 4,595,594 | 3,480,995 | 8,076,589 | 5,067,646 | 3,767,759 | 8,835,406 | 2.16% | 1.81% | 2.01% | 2.24% | 1.15% | 1.77% | 2.43% | 1.28% | 1.94% |
| 2033 | 4,166,791 | 3,107,231 | 7,274,022 | 4,629,878 | 3,521,655 | 8,151,533 | 5,112,331 | 3,816,416 | 8,928,747 | 0.57% | 1.07% | 0.78% | 0.75% | 1.17% | 0.93% | 0.88% | 1.29% | 1.06% |
| 2034 | 4,222,574 | 3,140,551 | 7,363,125 | 4,701,887 | 3,561,257 | 8,263,143 | 5,209,692 | 3,870,662 | 9,080,354 | 1.34% | 1.07% | 1.22% | 1.56% | 1.12% | 1.37% | 1.90% | 1.42% | 1.70% |
| 2035 | 4,285,474 | 3,172,420 | 7,457,894 | 4,777,023 | 3,602,979 | 8,380,003 | 5,299,683 | 3,918,025 | 9,217,708 | 1.49% | 1.01% | 1.29% | 1.60% | 1.17% | 1.41% | 1.73% | 1.22% | 1.51% |
| 2036 | 4,377,260 | 3,206,264 | 7,583,524 | 4,896,300 | 3,651,543 | 8,547,843 | 5,428,114 | 3,993,123 | 9,421,237 | 2.14% | 1.07% | 1.68% | 2.50% | 1.35% | 2.00% | 2.42% | 1.92% | 2.21% |
| 2037 | 4,398,841 | 3,369,912 | 7,768,753 | 4,940,135 | 3,719,301 | 8,659,436 | 5,475,786 | 4,045,650 | 9,521,436 | 0.49% | 5.10% | 2.44% | 0.90% | 1.86% | 1.31% | 0.88% | 1.32% | 1.06% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 7,360 | 53,833 | 61,193 | 7,672 | 54,459 | 62,131 | 7,983 | 55,094 | 63,077 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 7,384 | 54,574 | 61,958 | 7,750 | 55,157 | 62,907 | 8,121 | 55,744 | 63,865 | 0.33% | 1.38% | 1.25% | 1.02% | 1.28% | 1.25% | 1.74% | 1.18% | 1.25% |
| 2020 | 7,409 | 55,347 | 62,755 | 7,823 | 55,894 | 63,717 | 8,267 | 56,421 | 64,687 | 0.33% | 1.42% | 1.29% | 0.94% | 1.34% | 1.29% | 1.80% | 1.21% | 1.29% |
| 2021 | 7,440 | 56,450 | 63,890 | 7,992 | 56,877 | 64,869 | 8,455 | 57,402 | 65,857 | 0.42% | 1.99% | 1.81% | 2.17% | 1.76% | 1.81% | 2.27% | 1.74% | 1.81% |
| 2022 | 7,564 | 57,180 | 64,745 | 8,075 | 57,662 | 65,737 | 8,575 | 58,163 | 66,738 | 1.67% | 1.29% | 1.34% | 1.04% | 1.38% | 1.34% | 1.42% | 1.33% | 1.34% |
| 2023 | 7,623 | 57,959 | 65,582 | 8,156 | 58,431 | 66,587 | 8,697 | 58,904 | 67,601 | 0.78% | 1.36% | 1.29% | 1.00% | 1.33% | 1.29% | 1.42% | 1.27% | 1.29% |
| 2024 | 7,671 | 58,802 | 66,473 | 8,248 | 59,244 | 67,492 | 8,820 | 59,700 | 68,520 | 0.63% | 1.46% | 1.36% | 1.13% | 1.39% | 1.36% | 1.42% | 1.35% | 1.36% |
| 2025 | 7,740 | 59,627 | 67,367 | 8,342 | 60,057 | 68,399 | 9,352 | 60,089 | 69,441 | 0.90% | 1.40% | 1.34% | 1.14% | 1.37% | 1.34% | 6.03% | 0.65% | 1.34% |
| 2026 | 7,814 | 60,790 | 68,604 | 8,509 | 61,147 | 69,656 | 9,477 | 61,239 | 70,716 | 0.95% | 1.95% | 1.84% | 2.00% | 1.81% | 1.84% | 1.34% | 1.91% | 1.84% |
| 2027 | 7,949 | 61,634 | 69,583 | 8,612 | 62,037 | 70,649 | 9,600 | 62,125 | 71,725 | 1.74% | 1.39% | 1.43% | 1.21% | 1.46% | 1.43% | 1.30% | 1.45% | 1.43% |
| 2028 | 8,020 | 62,526 | 70,546 | 8,709 | 62,918 | 71,627 | 9,726 | 62,992 | 72,718 | 0.89% | 1.45% | 1.38% | 1.13% | 1.42% | 1.38% | 1.31% | 1.40% | 1.38% |
| 2029 | 8,094 | 63,468 | 71,562 | 8,813 | 63,846 | 72,659 | 9,868 | 63,897 | 73,765 | 0.92% | 1.51% | 1.44% | 1.19% | 1.47% | 1.44% | 1.46% | 1.44% | 1.44% |
| 2030 | 8,177 | 65,127 | 73,304 | 9,259 | 65,168 | 74,428 | 9,998 | 65,563 | 75,561 | 1.02% | 2.62% | 2.43% | 5.07% | 2.07% | 2.43% | 1.31% | 2.61% | 2.43% |
| 2031 | 8,273 | 66,249 | 74,522 | 9,429 | 66,236 | 75,665 | 10,192 | 66,624 | 76,817 | 1.18% | 1.72% | 1.66% | 1.83% | 1.64% | 1.66% | 1.95% | 1.62% | 1.66% |
| 2032 | 8,423 | 67,100 | 75,523 | 9,537 | 67,143 | 76,680 | 10,323 | 67,525 | 77,848 | 1.81% | 1.28% | 1.34% | 1.15% | 1.37% | 1.34% | 1.28% | 1.35% | 1.34% |
| 2033 | 8,513 | 68,117 | 76,630 | 9,648 | 68,156 | 77,804 | 10,456 | 68,533 | 78,989 | 1.07% | 1.52% | 1.47% | 1.17% | 1.51% | 1.47% | 1.29% | 1.49% | 1.47% |
| 2034 | 8,604 | 69,130 | 77,734 | 9,757 | 69,169 | 78,926 | 10,605 | 69,523 | 80,127 | 1.07% | 1.49% | 1.44% | 1.12% | 1.49% | 1.44% | 1.42% | 1.44% | 1.44% |
| 2035 | 8,692 | 70,196 | 78,888 | 9,871 | 70,226 | 80,097 | 10,734 | 70,582 | 81,316 | 1.01% | 1.54% | 1.48% | 1.17% | 1.53% | 1.48% | 1.22% | 1.52% | 1.48% |
| 2036 | 8,784 | 71,392 | 80,176 | 10,004 | 71,401 | 81,405 | 10,940 | 71,704 | 82,644 | 1.07% | 1.70% | 1.63% | 1.35% | 1.67% | 1.63% | 1.92% | 1.59% | 1.63% |
| 2037 | 9,233 | 72,289 | 81,522 | 10,190 | 72,581 | 82,771 | 11,084 | 72,947 | 84,031 | 5.10% | 1.26% | 1.68% | 1.86% | 1.65% | 1.68% | 1.32% | 1.73% | 1.68% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,360,051 | 4,894,808 | 6,254,859 | 1,438,614 | 5,075,265 | 6,513,878 | 1,516,450 | 5,256,510 | 6,772,960 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,360,159 | 4,905,739 | 6,265,898 | 1,465,361 | 5,125,272 | 6,590,633 | 1,570,718 | 5,345,181 | 6,915,899 | 0.01% | 0.22% | 0.18% | 1.86% | 0.99% | 1.18% | 3.58% | 1.69% | 2.11% |
| 2020 | 1,371,935 | 4,944,498 | 6,316,433 | 1,499,595 | 5,195,945 | 6,695,540 | 1,626,829 | 5,467,561 | 7,094,390 | 0.87% | 0.79% | 0.81% | 2.34% | 1.38% | 1.59% | 3.57% | 2.29% | 2.58% |
| 2021 | 1,376,049 | 4,949,420 | 6,325,469 | 1,521,285 | 5,276,035 | 6,797,321 | 1,666,860 | 5,555,185 | 7,222,045 | 0.30% | 0.10% | 0.14% | 1.45% | 1.54% | 1.52% | 2.46% | 1.60% | 1.80% |
| 2022 | 1,387,874 | 5,023,258 | 6,411,132 | 1,549,474 | 5,327,747 | 6,877,221 | 1,711,077 | 5,631,448 | 7,342,526 | 0.86% | 1.49% | 1.35% | 1.85% | 0.98% | 1.18% | 2.65% | 1.37% | 1.67% |
| 2023 | 1,402,536 | 5,060,667 | 6,463,203 | 1,578,473 | 5,385,668 | 6,964,141 | 1,754,928 | 5,712,113 | 7,467,041 | 1.06% | 0.74% | 0.81% | 1.87% | 1.09% | 1.26% | 2.56% | 1.43% | 1.70% |
| 2024 | 1,424,866 | 5,118,806 | 6,543,672 | 1,615,216 | 5,469,389 | 7,084,604 | 1,806,126 | 5,817,415 | 7,623,540 | 1.59% | 1.15% | 1.25% | 2.33% | 1.55% | 1.73% | 2.92% | 1.84% | 2.10% |
| 2025 | 1,436,413 | 5,143,300 | 6,579,713 | 1,638,989 | 5,508,087 | 7,147,075 | 1,841,431 | 6,021,781 | 7,863,212 | 0.81% | 0.48% | 0.55% | 1.47% | 0.71% | 0.88% | 1.95% | 3.51% | 3.14% |
| 2026 | 1,454,869 | 5,202,102 | 6,656,971 | 1,669,393 | 5,616,400 | 7,285,793 | 1,884,168 | 6,102,491 | 7,986,659 | 1.28% | 1.14% | 1.17% | 1.86% | 1.97% | 1.94% | 2.32% | 1.34% | 1.57% |
| 2027 | 1,474,434 | 5,281,271 | 6,755,706 | 1,700,239 | 5,683,117 | 7,383,355 | 1,925,975 | 6,185,581 | 8,111,556 | 1.34% | 1.52% | 1.48% | 1.85% | 1.19% | 1.34% | 2.22% | 1.36% | 1.56% |
| 2028 | 1,500,321 | 5,346,683 | 6,847,004 | 1,737,821 | 5,768,988 | 7,506,809 | 1,974,881 | 6,288,773 | 8,263,654 | 1.76% | 1.24% | 1.35% | 2.21% | 1.51% | 1.67% | 2.54% | 1.67% | 1.88% |
| 2029 | 1,516,727 | 5,384,014 | 6,900,741 | 1,763,585 | 5,818,507 | 7,582,092 | 2,010,527 | 6,371,295 | 8,381,822 | 1.09% | 0.70% | 0.78% | 1.48% | 0.86% | 1.00% | 1.80% | 1.31% | 1.43% |
| 2030 | 1,539,142 | 5,439,335 | 6,978,478 | 1,795,798 | 6,006,180 | 7,801,979 | 2,052,826 | 6,456,218 | 8,509,044 | 1.48% | 1.03% | 1.13% | 1.83% | 3.23% | 2.90% | 2.10% | 1.33% | 1.52% |
| 2031 | 1,562,001 | 5,513,350 | 7,075,351 | 1,828,563 | 6,107,901 | 7,936,464 | 2,095,129 | 6,572,532 | 8,667,661 | 1.49% | 1.36% | 1.39% | 1.82% | 1.69% | 1.72% | 2.06% | 1.80% | 1.86% |
| 2032 | 1,592,479 | 5,624,906 | 7,217,385 | 1,869,636 | 6,206,953 | 8,076,589 | 2,146,392 | 6,689,014 | 8,835,406 | 1.95% | 2.02% | 2.01% | 2.25% | 1.62% | 1.77% | 2.45% | 1.77% | 1.94% |
| 2033 | 1,609,983 | 5,664,039 | 7,274,022 | 1,894,775 | 6,256,758 | 8,151,533 | 2,179,569 | 6,749,178 | 8,928,747 | 1.10% | 0.70% | 0.78% | 1.34% | 0.80% | 0.93% | 1.55% | 0.90% | 1.06% |
| 2034 | 1,635,999 | 5,727,126 | 7,363,125 | 1,928,556 | 6,334,587 | 8,263,143 | 2,221,713 | 6,858,641 | 9,080,354 | 1.62% | 1.11% | 1.22% | 1.78% | 1.24% | 1.37% | 1.93% | 1.62% | 1.70% |
| 2035 | 1,662,434 | 5,795,460 | 7,457,894 | 1,963,730 | 6,416,273 | 8,380,003 | 2,265,211 | 6,952,497 | 9,217,708 | 1.62% | 1.19% | 1.29% | 1.82% | 1.29% | 1.41% | 1.96% | 1.37% | 1.51% |
| 2036 | 1,696,085 | 5,887,440 | 7,583,524 | 2,007,092 | 6,540,751 | 8,547,843 | 2,318,123 | 7,103,114 | 9,421,237 | 2.02% | 1.59% | 1.68% | 2.21% | 1.94% | 2.00% | 2.34% | 2.17% | 2.21% |
| 2037 | 1,716,400 | 6,052,353 | 7,768,753 | 2,033,542 | 6,625,894 | 8,659,436 | 2,351,092 | 7,170,344 | 9,521,436 | 1.20% | 2.80% | 2.44% | 1.32% | 1.30% | 1.31% | 1.42% | 0.95% | 1.06% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,675 | 1,183 | 3,858 | 2,832 | 1,224 | 4,056 | 2,988 | 1,266 | 4,254 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,676 | 1,186 | 3,862 | 2,885 | 1,239 | 4,124 | 3,095 | 1,292 | 4,387 | 0.02% | 0.27% | 0.10% | 1.88% | 1.20% | 1.68% | 3.57% | 2.03% | 3.11% |
| 2020 | 2,688 | 1,192 | 3,880 | 2,940 | 1,253 | 4,193 | 3,192 | 1,317 | 4,509 | 0.46% | 0.50% | 0.47% | 1.89% | 1.16% | 1.67% | 3.15% | 1.94% | 2.80% |
| 2021 | 2,708 | 1,199 | 3,907 | 2,995 | 1,271 | 4,267 | 3,284 | 1,341 | 4,625 | 0.73% | 0.60% | 0.69% | 1.89% | 1.44% | 1.75% | 2.88% | 1.84% | 2.58% |
| 2022 | 2,732 | 1,210 | 3,942 | 3,052 | 1,287 | 4,339 | 3,372 | 1,364 | 4,737 | 0.89% | 0.88% | 0.89% | 1.89% | 1.23% | 1.69% | 2.69% | 1.70% | 2.41% |
| 2023 | 2,761 | 1,221 | 3,981 | 3,109 | 1,304 | 4,413 | 3,459 | 1,388 | 4,846 | 1.06% | 0.90% | 1.01% | 1.88% | 1.29% | 1.71% | 2.55% | 1.71% | 2.31% |
| 2024 | 2,793 | 1,231 | 4,024 | 3,168 | 1,321 | 4,489 | 3,544 | 1,411 | 4,954 | 1.14% | 0.86% | 1.06% | 1.87% | 1.36% | 1.72% | 2.46% | 1.68% | 2.24% |
| 2025 | 2,827 | 1,244 | 4,071 | 3,228 | 1,339 | 4,567 | 3,628 | 1,437 | 5,065 | 1.23% | 1.06% | 1.18% | 1.90% | 1.34% | 1.74% | 2.38% | 1.86% | 2.23% |
| 2026 | 2,863 | 1,257 | 4,120 | 3,288 | 1,359 | 4,647 | 3,712 | 1,461 | 5,173 | 1.29% | 1.04% | 1.21% | 1.86% | 1.47% | 1.74% | 2.31% | 1.65% | 2.12% |
| 2027 | 2,902 | 1,273 | 4,175 | 3,349 | 1,378 | 4,727 | 3,795 | 1,485 | 5,280 | 1.35% | 1.27% | 1.33% | 1.86% | 1.44% | 1.74% | 2.24% | 1.65% | 2.07% |
| 2028 | 2,943 | 1,287 | 4,230 | 3,411 | 1,398 | 4,809 | 3,878 | 1,509 | 5,387 | 1.40% | 1.10% | 1.31% | 1.85% | 1.41% | 1.72% | 2.19% | 1.63% | 2.03% |
| 2029 | 2,986 | 1,303 | 4,288 | 3,474 | 1,418 | 4,892 | 3,961 | 1,535 | 5,496 | 1.46% | 1.22% | 1.39% | 1.84% | 1.44% | 1.73% | 2.16% | 1.71% | 2.03% |
| 2030 | 3,030 | 1,319 | 4,349 | 3,537 | 1,440 | 4,978 | 4,045 | 1,560 | 5,604 | 1.48% | 1.26% | 1.42% | 1.83% | 1.56% | 1.75% | 2.10% | 1.62% | 1.97% |
| 2031 | 3,075 | 1,336 | 4,412 | 3,602 | 1,462 | 5,064 | 4,129 | 1,586 | 5,715 | 1.50% | 1.31% | 1.44% | 1.83% | 1.53% | 1.74% | 2.08% | 1.70% | 1.97% |
| 2032 | 3,123 | 1,355 | 4,477 | 3,668 | 1,484 | 5,151 | 4,212 | 1,612 | 5,824 | 1.54% | 1.38% | 1.49% | 1.82% | 1.48% | 1.72% | 2.02% | 1.64% | 1.91% |
| 2033 | 3,172 | 1,374 | 4,545 | 3,734 | 1,506 | 5,240 | 4,296 | 1,638 | 5,934 | 1.57% | 1.38% | 1.51% | 1.80% | 1.51% | 1.71% | 2.00% | 1.61% | 1.89% |
| 2034 | 3,223 | 1,392 | 4,614 | 3,800 | 1,529 | 5,329 | 4,380 | 1,666 | 6,046 | 1.61% | 1.34% | 1.53% | 1.79% | 1.50% | 1.71% | 1.95% | 1.69% | 1.88% |
| 2035 | 3,274 | 1,411 | 4,685 | 3,869 | 1,552 | 5,421 | 4,464 | 1,693 | 6,157 | 1.59% | 1.39% | 1.53% | 1.79% | 1.52% | 1.71% | 1.93% | 1.60% | 1.83% |
| 2036 | 3,326 | 1,431 | 4,757 | 3,937 | 1,577 | 5,514 | 4,549 | 1,721 | 6,270 | 1.60% | 1.39% | 1.54% | 1.77% | 1.59% | 1.72% | 1.90% | 1.67% | 1.83% |
| 2037 | 3,380 | 1,453 | 4,833 | 4,006 | 1,602 | 5,608 | 4,633 | 1,748 | 6,382 | 1.62% | 1.57% | 1.60% | 1.76% | 1.58% | 1.71% | 1.86% | 1.61% | 1.79% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.01% |
| Medium: | 38.25% |
| Low: | 25.29% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Mount Vernon District

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 28,374,589 | 14,319,221 | 42,693,810 | 28,923,152 | 14,648,894 | 43,572,046 | 29,476,246 | 14,971,389 | 44,447,635 |
| 2019 | 28,588,716 | 14,442,419 | 43,031,135 | 29,304,374 | 14,859,705 | 44,164,079 | 30,025,813 | 15,269,221 | 45,295,034 |
| 2020 | 28,994,127 | 14,567,407 | 43,561,534 | 29,865,097 | 15,055,040 | 44,920,137 | 30,725,807 | 15,551,449 | 46,277,255 |
| 2021 | 29,069,345 | 14,700,970 | 43,770,314 | 30,058,258 | 15,260,599 | 45,318,857 | 31,033,608 | 15,967,255 | 47,000,862 |
| 2022 | 29,339,414 | 14,851,382 | 44,190,796 | 30,441,661 | 15,476,939 | 45,918,601 | 31,537,017 | 16,243,159 | 47,780,175 |
| 2023 | 29,622,443 | 14,996,851 | 44,619,293 | 30,832,262 | 15,684,392 | 46,516,654 | 32,030,470 | 16,514,753 | 48,545,222 |
| 2024 | 30,108,858 | 15,148,511 | 45,257,369 | 31,447,128 | 15,894,618 | 47,341,746 | 32,738,984 | 16,776,842 | 49,515,825 |
| 2025 | 30,239,758 | 15,313,351 | 45,553,110 | 31,630,286 | 16,258,142 | 47,888,428 | 33,036,030 | 17,053,461 | 50,089,491 |
| 2026 | 30,552,301 | 15,478,867 | 46,031,168 | 32,042,960 | 16,465,432 | 48,508,393 | 33,536,049 | 17,316,700 | 50,852,749 |
| 2027 | 30,883,001 | 15,653,150 | 46,536,151 | 32,461,036 | 16,689,732 | 49,150,768 | 34,038,282 | 17,592,611 | 51,630,893 |
| 2028 | 31,403,649 | 15,819,572 | 47,223,222 | 33,068,781 | 16,908,442 | 49,977,223 | 34,742,245 | 17,855,109 | 52,597,354 |
| 2029 | 31,563,787 | 16,007,217 | 47,571,004 | 33,303,619 | 17,137,468 | 50,441,088 | 35,043,456 | 18,132,224 | 53,175,680 |
| 2030 | 31,915,888 | 16,188,840 | 48,104,728 | 33,730,437 | 17,360,558 | 51,090,996 | 35,552,394 | 18,395,751 | 53,948,145 |
| 2031 | 32,194,118 | 16,516,747 | 48,710,865 | 34,169,308 | 17,593,739 | 51,763,048 | 36,058,316 | 18,675,445 | 54,733,761 |
| 2032 | 32,839,487 | 16,704,143 | 49,543,630 | 34,821,284 | 17,818,631 | 52,639,915 | 36,810,262 | 18,938,409 | 55,748,670 |
| 2033 | 33,015,028 | 16,898,477 | 49,913,505 | 35,046,018 | 18,061,673 | 53,107,690 | 37,073,961 | 19,359,760 | 56,433,721 |
| 2034 | 33,392,324 | 17,092,991 | 50,485,315 | 35,491,703 | 18,291,332 | 53,783,034 | 37,589,961 | 19,626,915 | 57,216,875 |
| 2035 | 33,789,048 | 17,297,933 | 51,086,981 | 35,959,624 | 18,531,747 | 54,491,371 | 38,118,421 | 19,908,043 | 58,026,465 |
| 2036 | 34,396,055 | 17,498,274 | 51,894,329 | 36,644,305 | 18,766,166 | 55,410,471 | 38,882,399 | 20,176,318 | 59,058,717 |
| 2037 | 34,620,791 | 17,695,163 | 52,315,954 | 36,882,553 | 19,004,159 | 55,886,712 | 39,137,633 | 20,450,909 | 59,588,542 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.75% | 0.86% | 0.79% | 1.32% | 1.44% | 1.36% | 1.86% | 1.99% | 1.91% |
| 2020 | 1.42% | 0.87% | 1.23% | 1.91% | 1.31% | 1.71% | 2.33% | 1.85% | 2.17% |
| 2021 | 0.26% | 0.92% | 0.48% | 0.65% | 1.37% | 0.89% | 1.00% | 2.67% | 1.56% |
| 2022 | 0.93% | 1.02% | 0.96% | 1.28% | 1.42% | 1.32% | 1.62% | 1.73% | 1.66% |
| 2023 | 0.96% | 0.98% | 0.97% | 1.28% | 1.34% | 1.30% | 1.56% | 1.67% | 1.60% |
| 2024 | 1.64% | 1.01% | 1.43% | 1.99% | 1.34% | 1.77% | 2.21% | 1.59% | 2.00% |
| 2025 | 0.43% | 1.09% | 0.65% | 0.58% | 2.29% | 1.15% | 0.91% | 1.65% | 1.16% |
| 2026 | 1.03% | 1.08% | 1.05% | 1.30% | 1.27% | 1.29% | 1.51% | 1.54% | 1.52% |
| 2027 | 1.08% | 1.13% | 1.10% | 1.30% | 1.36% | 1.32% | 1.50% | 1.59% | 1.53% |
| 2028 | 1.69% | 1.06% | 1.48% | 1.87% | 1.31% | 1.68% | 2.07% | 1.49% | 1.87% |
| 2029 | 0.51% | 1.19% | 0.74% | 0.71% | 1.35% | 0.93% | 0.87% | 1.55% | 1.10% |
| 2030 | 1.12% | 1.13% | 1.12% | 1.28% | 1.30% | 1.29% | 1.45% | 1.45% | 1.45% |
| 2031 | 0.87% | 2.03% | 1.26% | 1.30% | 1.34% | 1.32% | 1.42% | 1.52% | 1.46% |
| 2032 | 2.00% | 1.13% | 1.71% | 1.91% | 1.28% | 1.69% | 2.09% | 1.41% | 1.85% |
| 2033 | 0.53% | 1.16% | 0.75% | 0.65% | 1.36% | 0.89% | 0.72% | 2.22% | 1.23% |
| 2034 | 1.14% | 1.15% | 1.15% | 1.27% | 1.27% | 1.27% | 1.39% | 1.38% | 1.39% |
| 2035 | 1.19% | 1.20% | 1.19% | 1.32% | 1.31% | 1.32% | 1.41% | 1.43% | 1.41% |
| 2036 | 1.80% | 1.16% | 1.58% | 1.90% | 1.26% | 1.69% | 2.00% | 1.35% | 1.78% |
| 2037 | 0.65% | 1.13% | 0.81% | 0.65% | 1.27% | 0.86% | 0.66% | 1.36% | 0.90% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 39,231 | 372,635 | 411,865 | 40,134 | 378,044 | 418,178 | 41,018 | 383,528 | 424,545 |
| 2019 | 39,568 | 377,828 | 417,396 | 40,712 | 383,081 | 423,793 | 41,833 | 388,412 | 430,246 |
| 2020 | 39,911 | 383,006 | 422,917 | 41,247 | 388,152 | 429,399 | 42,607 | 393,331 | 435,937 |
| 2021 | 40,277 | 388,169 | 428,446 | 41,810 | 393,202 | 435,012 | 43,746 | 397,890 | 441,636 |
| 2022 | 40,689 | 393,503 | 434,192 | 42,403 | 398,444 | 440,847 | 44,502 | 403,058 | 447,559 |
| 2023 | 41,087 | 398,723 | 439,811 | 42,971 | 403,580 | 446,551 | 45,246 | 408,105 | 453,351 |
| 2024 | 41,503 | 404,091 | 445,594 | 43,547 | 408,876 | 452,423 | 45,964 | 413,348 | 459,312 |
| 2025 | 41,954 | 410,385 | 452,339 | 44,543 | 414,729 | 459,272 | 46,722 | 419,543 | 466,265 |
| 2026 | 42,408 | 415,834 | 458,242 | 45,111 | 420,154 | 465,265 | 47,443 | 424,906 | 472,349 |
| 2027 | 42,885 | 421,443 | 464,328 | 45,725 | 425,719 | 471,445 | 48,199 | 430,424 | 478,623 |
| 2028 | 43,341 | 427,045 | 470,387 | 46,324 | 431,271 | 477,596 | 48,918 | 435,950 | 484,868 |
| 2029 | 43,855 | 432,800 | 476,655 | 46,952 | 437,009 | 483,961 | 49,677 | 441,653 | 491,330 |
| 2030 | 44,353 | 438,489 | 482,842 | 47,563 | 442,679 | 490,242 | 50,399 | 447,307 | 497,707 |
| 2031 | 45,251 | 443,984 | 489,236 | 48,202 | 448,532 | 496,734 | 51,166 | 453,132 | 504,298 |
| 2032 | 45,765 | 449,810 | 495,574 | 48,818 | 454,351 | 503,170 | 51,886 | 458,945 | 510,831 |
| 2033 | 46,297 | 455,826 | 502,123 | 49,484 | 460,335 | 509,819 | 53,040 | 464,541 | 517,582 |
| 2034 | 46,830 | 461,836 | 508,666 | 50,113 | 466,349 | 516,462 | 53,772 | 470,554 | 524,326 |
| 2035 | 47,392 | 467,907 | 515,299 | 50,772 | 472,424 | 523,196 | 54,543 | 476,620 | 531,163 |
| 2036 | 47,940 | 474,012 | 521,952 | 51,414 | 478,537 | 529,952 | 55,278 | 482,743 | 538,021 |
| 2037 | 48,480 | 480,145 | 528,624 | 52,066 | 484,660 | 536,726 | 56,030 | 488,869 | 544,899 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.86% | 1.39% | 1.34% | 1.44% | 1.33% | 1.34% | 1.99% | 1.27% | 1.34% |
| 2020 | 0.87% | 1.37% | 1.32% | 1.31% | 1.32% | 1.32% | 1.85% | 1.27% | 1.32% |
| 2021 | 0.92% | 1.35% | 1.31% | 1.37% | 1.30% | 1.31% | 2.67% | 1.16% | 1.31% |
| 2022 | 1.02% | 1.37% | 1.34% | 1.42% | 1.33% | 1.34% | 1.73% | 1.30% | 1.34% |
| 2023 | 0.98% | 1.33% | 1.29% | 1.34% | 1.29% | 1.29% | 1.67% | 1.25% | 1.29% |
| 2024 | 1.01% | 1.35% | 1.31% | 1.34% | 1.31% | 1.31% | 1.59% | 1.28% | 1.31% |
| 2025 | 1.09% | 1.56% | 1.51% | 2.29% | 1.43% | 1.51% | 1.65% | 1.50% | 1.51% |
| 2026 | 1.08% | 1.33% | 1.30% | 1.27% | 1.31% | 1.30% | 1.54% | 1.28% | 1.30% |
| 2027 | 1.13% | 1.35% | 1.33% | 1.36% | 1.32% | 1.33% | 1.59% | 1.30% | 1.33% |
| 2028 | 1.06% | 1.33% | 1.30% | 1.31% | 1.30% | 1.30% | 1.49% | 1.28% | 1.30% |
| 2029 | 1.19% | 1.35% | 1.33% | 1.35% | 1.33% | 1.33% | 1.55% | 1.31% | 1.33% |
| 2030 | 1.13% | 1.31% | 1.30% | 1.30% | 1.30% | 1.30% | 1.45% | 1.28% | 1.30% |
| 2031 | 2.03% | 1.25% | 1.32% | 1.34% | 1.32% | 1.32% | 1.52% | 1.30% | 1.32% |
| 2032 | 1.13% | 1.31% | 1.30% | 1.28% | 1.30% | 1.30% | 1.41% | 1.28% | 1.30% |
| 2033 | 1.16% | 1.34% | 1.32% | 1.36% | 1.32% | 1.32% | 2.22% | 1.22% | 1.32% |
| 2034 | 1.15% | 1.32% | 1.30% | 1.27% | 1.31% | 1.30% | 1.38% | 1.29% | 1.30% |
| 2035 | 1.20% | 1.31% | 1.30% | 1.31% | 1.30% | 1.30% | 1.43% | 1.29% | 1.30% |
| 2036 | 1.16% | 1.30% | 1.29% | 1.26% | 1.29% | 1.29% | 1.35% | 1.28% | 1.29% |
| 2037 | 1.13% | 1.29% | 1.28% | 1.27% | 1.28% | 1.28% | 1.36% | 1.27% | 1.28% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25,853,639 | 16,840,170 | 42,693,810 | 26,166,283 | 17,405,763 | 43,572,046 | 26,478,656 | 17,968,979 | 44,447,635 |
| 2019 | 26,100,507 | 16,930,628 | 43,031,135 | 26,487,521 | 17,676,559 | 44,164,079 | 26,874,352 | 18,420,681 | 45,295,034 |
| 2020 | 26,470,140 | 17,091,395 | 43,561,534 | 26,923,187 | 17,996,950 | 44,920,137 | 27,376,287 | 18,900,968 | 46,277,255 |
| 2021 | 26,638,205 | 17,132,110 | 43,770,314 | 27,145,514 | 18,173,343 | 45,318,857 | 27,653,230 | 19,347,632 | 47,000,862 |
| 2022 | 26,927,928 | 17,262,868 | 44,190,796 | 27,485,488 | 18,433,113 | 45,918,601 | 28,043,153 | 19,737,022 | 47,780,175 |
| 2023 | 27,233,713 | 17,385,580 | 44,619,293 | 27,837,614 | 18,679,039 | 46,516,654 | 28,441,235 | 20,103,987 | 48,545,222 |
| 2024 | 27,669,999 | 17,587,370 | 45,257,369 | 28,319,380 | 19,022,366 | 47,341,746 | 28,968,631 | 20,547,194 | 49,515,825 |
| 2025 | 27,882,562 | 17,670,548 | 45,553,110 | 28,569,403 | 19,319,024 | 47,888,428 | 29,256,367 | 20,833,124 | 50,089,491 |
| 2026 | 28,221,132 | 17,810,036 | 46,031,168 | 28,945,812 | 19,562,581 | 48,508,393 | 29,670,804 | 21,181,945 | 50,852,749 |
| 2027 | 28,569,627 | 17,966,524 | 46,536,151 | 29,330,507 | 19,820,261 | 49,150,768 | 30,091,257 | 21,539,635 | 51,630,893 |
| 2028 | 29,041,775 | 18,181,447 | 47,223,222 | 29,840,171 | 20,137,051 | 49,977,223 | 30,638,247 | 21,959,107 | 52,597,354 |
| 2029 | 29,293,857 | 18,277,146 | 47,571,004 | 30,122,183 | 20,318,905 | 50,441,088 | 30,950,584 | 22,225,095 | 53,175,680 |
| 2030 | 29,669,324 | 18,435,404 | 48,104,728 | 30,529,309 | 20,561,687 | 51,090,996 | 31,389,460 | 22,558,685 | 53,948,145 |
| 2031 | 30,053,563 | 18,657,302 | 48,710,865 | 30,943,994 | 20,819,054 | 51,763,048 | 31,834,584 | 22,899,177 | 54,733,761 |
| 2032 | 30,573,554 | 18,970,076 | 49,543,630 | 31,497,308 | 21,142,607 | 52,639,915 | 32,421,326 | 23,327,344 | 55,748,670 |
| 2033 | 30,842,979 | 19,070,526 | 49,913,505 | 31,791,626 | 21,316,064 | 53,107,690 | 32,740,382 | 23,693,339 | 56,433,721 |
| 2034 | 31,251,624 | 19,233,691 | 50,485,315 | 32,227,820 | 21,555,214 | 53,783,034 | 33,204,478 | 24,012,398 | 57,216,875 |
| 2035 | 31,671,431 | 19,415,549 | 51,086,981 | 32,675,125 | 21,816,247 | 54,491,371 | 33,678,785 | 24,347,679 | 58,026,465 |
| 2036 | 32,230,505 | 19,663,825 | 51,894,329 | 33,264,683 | 22,145,787 | 55,410,471 | 34,299,022 | 24,759,696 | 59,058,717 |
| 2037 | 32,559,205 | 19,756,749 | 52,315,954 | 33,584,193 | 22,302,519 | 55,886,712 | 34,609,196 | 24,979,347 | 59,588,542 |

Annual Change

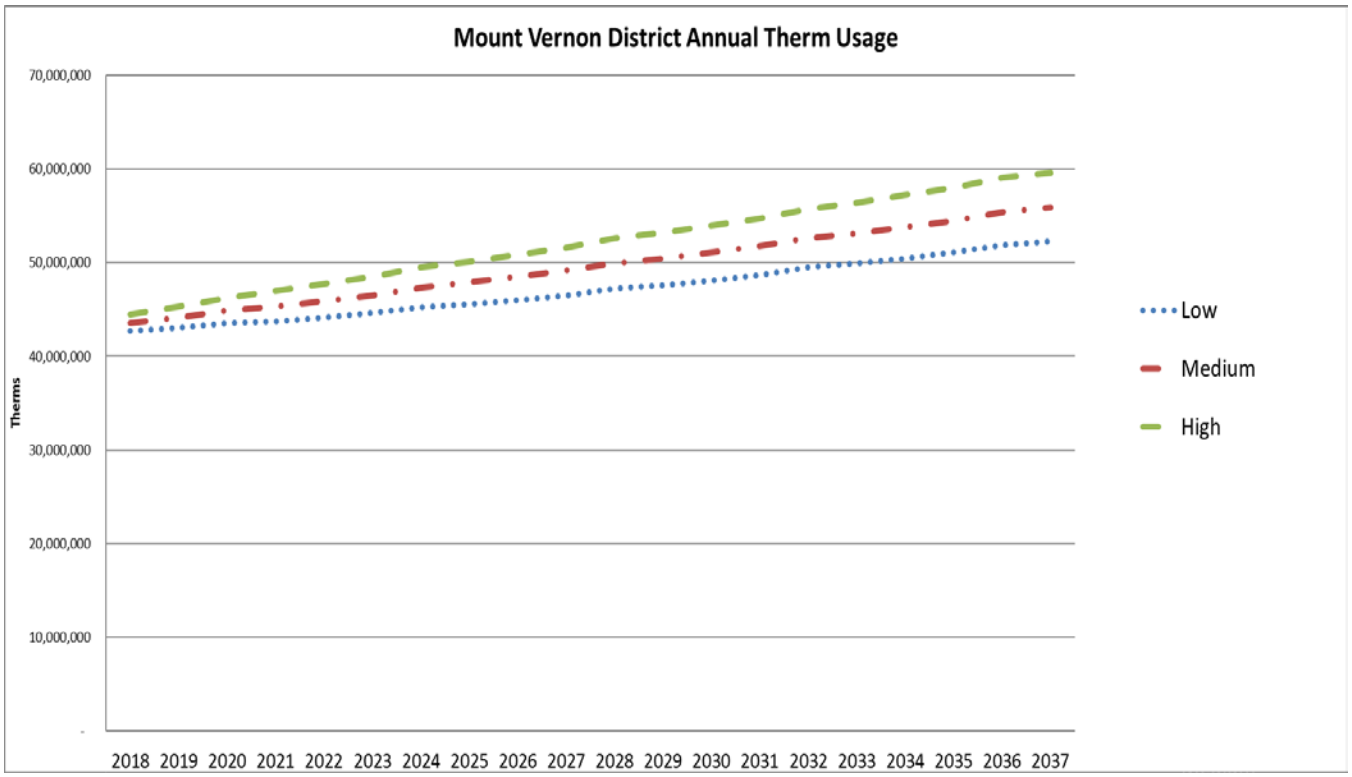
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.95% | 0.54% | 0.79% | 1.23% | 1.56% | 1.36% | 1.49% | 2.51% | 1.91% |
| 2020 | 1.42% | 0.95% | 1.23% | 1.64% | 1.81% | 1.71% | 1.87% | 2.61% | 2.17% |
| 2021 | 0.63% | 0.24% | 0.48% | 0.83% | 0.98% | 0.89% | 1.01% | 2.36% | 1.56% |
| 2022 | 1.09% | 0.76% | 0.96% | 1.25% | 1.43% | 1.32% | 1.41% | 2.01% | 1.66% |
| 2023 | 1.14% | 0.71% | 0.97% | 1.28% | 1.33% | 1.30% | 1.42% | 1.86% | 1.60% |
| 2024 | 1.60% | 1.16% | 1.43% | 1.73% | 1.84% | 1.77% | 1.85% | 2.20% | 2.00% |
| 2025 | 0.77% | 0.47% | 0.65% | 0.88% | 1.56% | 1.15% | 0.99% | 1.39% | 1.16% |
| 2026 | 1.21% | 0.79% | 1.05% | 1.32% | 1.26% | 1.29% | 1.42% | 1.67% | 1.52% |
| 2027 | 1.23% | 0.88% | 1.10% | 1.33% | 1.32% | 1.32% | 1.42% | 1.69% | 1.53% |
| 2028 | 1.65% | 1.20% | 1.48% | 1.74% | 1.60% | 1.68% | 1.82% | 1.95% | 1.87% |
| 2029 | 0.87% | 0.53% | 0.74% | 0.95% | 0.90% | 0.93% | 1.02% | 1.21% | 1.10% |
| 2030 | 1.28% | 0.87% | 1.12% | 1.35% | 1.19% | 1.29% | 1.42% | 1.50% | 1.45% |
| 2031 | 1.30% | 1.20% | 1.26% | 1.36% | 1.25% | 1.32% | 1.42% | 1.51% | 1.46% |
| 2032 | 1.73% | 1.68% | 1.71% | 1.79% | 1.55% | 1.69% | 1.84% | 1.87% | 1.85% |
| 2033 | 0.88% | 0.53% | 0.75% | 0.93% | 0.82% | 0.89% | 0.98% | 1.57% | 1.23% |
| 2034 | 1.32% | 0.86% | 1.15% | 1.37% | 1.12% | 1.27% | 1.42% | 1.35% | 1.39% |
| 2035 | 1.34% | 0.95% | 1.19% | 1.39% | 1.21% | 1.32% | 1.43% | 1.40% | 1.41% |
| 2036 | 1.77% | 1.28% | 1.58% | 1.80% | 1.51% | 1.69% | 1.84% | 1.69% | 1.78% |
| 2037 | 1.02% | 0.47% | 0.81% | 0.96% | 0.71% | 0.86% | 0.90% | 0.89% | 0.90% |

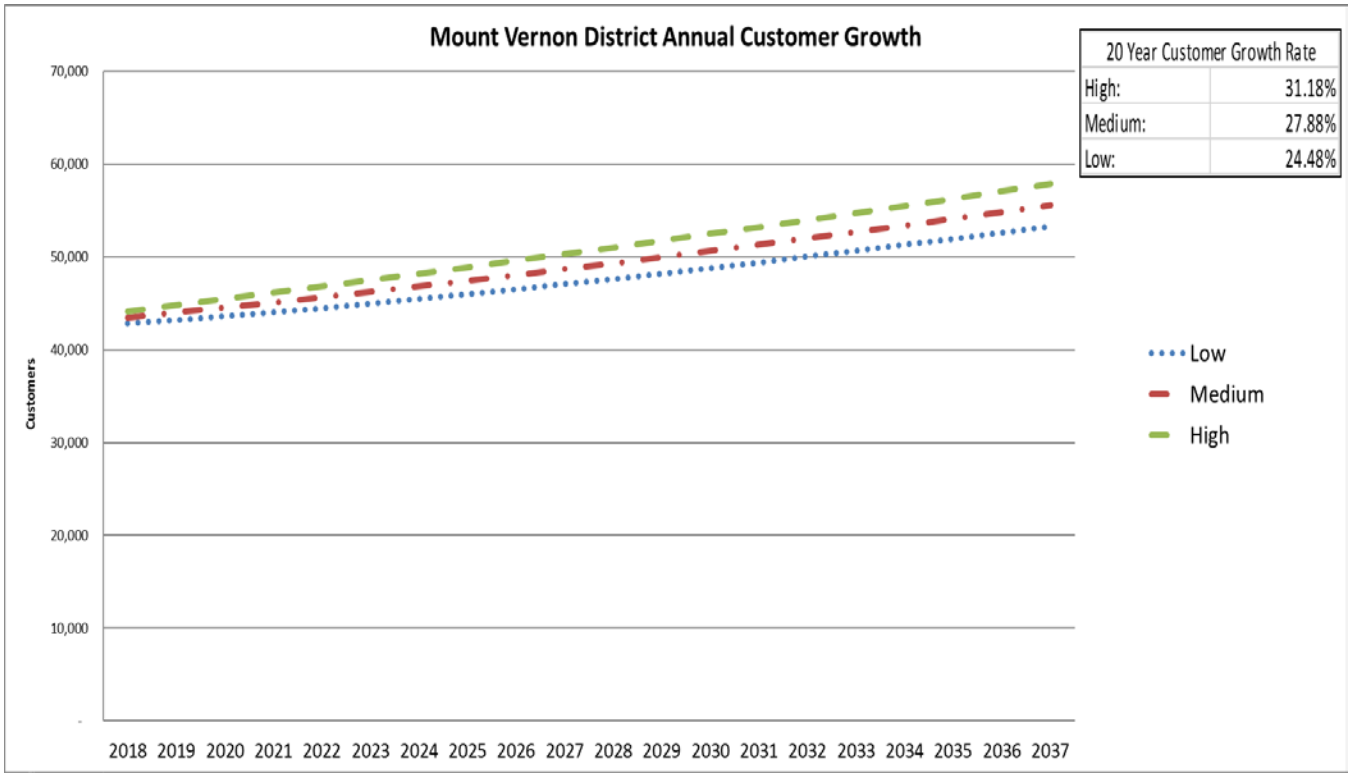
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 38,001 | 4,825 | 42,826 | 38,467 | 4,991 | 43,458 | 38,933 | 5,156 | 44,089 |
| 2019 | 38,364 | 4,842 | 43,205 | 38,938 | 5,059 | 43,997 | 39,512 | 5,275 | 44,787 |
| 2020 | 38,744 | 4,863 | 43,607 | 39,414 | 5,124 | 44,538 | 40,083 | 5,385 | 45,469 |
| 2021 | 39,154 | 4,889 | 44,043 | 39,906 | 5,189 | 45,096 | 40,658 | 5,491 | 46,150 |
| 2022 | 39,584 | 4,918 | 44,502 | 40,410 | 5,255 | 45,666 | 41,236 | 5,594 | 46,830 |
| 2023 | 40,033 | 4,948 | 44,981 | 40,928 | 5,320 | 46,247 | 41,822 | 5,693 | 47,514 |
| 2024 | 40,500 | 4,980 | 45,479 | 41,457 | 5,384 | 46,841 | 42,414 | 5,789 | 48,203 |
| 2025 | 40,981 | 5,014 | 45,995 | 41,998 | 5,450 | 47,448 | 43,015 | 5,884 | 48,899 |
| 2026 | 41,478 | 5,049 | 46,527 | 42,551 | 5,514 | 48,064 | 43,624 | 5,977 | 49,601 |
| 2027 | 41,990 | 5,085 | 47,075 | 43,116 | 5,578 | 48,694 | 44,242 | 6,070 | 50,312 |
| 2028 | 42,515 | 5,121 | 47,636 | 43,691 | 5,641 | 49,333 | 44,868 | 6,160 | 51,028 |
| 2029 | 43,053 | 5,160 | 48,212 | 44,278 | 5,705 | 49,983 | 45,504 | 6,250 | 51,754 |
| 2030 | 43,604 | 5,198 | 48,802 | 44,876 | 5,769 | 50,645 | 46,148 | 6,338 | 52,487 |
| 2031 | 44,167 | 5,238 | 49,406 | 45,485 | 5,833 | 51,317 | 46,802 | 6,426 | 53,228 |
| 2032 | 44,743 | 5,279 | 50,022 | 46,104 | 5,895 | 52,000 | 47,465 | 6,513 | 53,978 |
| 2033 | 45,331 | 5,320 | 50,651 | 46,734 | 5,960 | 52,694 | 48,138 | 6,600 | 54,738 |
| 2034 | 45,930 | 5,361 | 51,291 | 47,375 | 6,022 | 53,397 | 48,819 | 6,685 | 55,504 |
| 2035 | 46,541 | 5,403 | 51,944 | 48,026 | 6,086 | 54,112 | 49,510 | 6,770 | 56,280 |
| 2036 | 47,164 | 5,446 | 52,610 | 48,687 | 6,149 | 54,836 | 50,211 | 6,853 | 57,064 |
| 2037 | 47,821 | 5,488 | 53,309 | 49,360 | 6,212 | 55,572 | 50,898 | 6,936 | 57,835 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.95% | 0.34% | 0.88% | 1.22% | 1.36% | 1.24% | 1.49% | 2.32% | 1.58% |
| 2020 | 0.99% | 0.45% | 0.93% | 1.22% | 1.30% | 1.23% | 1.45% | 2.09% | 1.52% |
| 2021 | 1.06% | 0.52% | 1.00% | 1.25% | 1.27% | 1.25% | 1.44% | 1.97% | 1.50% |
| 2022 | 1.10% | 0.60% | 1.04% | 1.26% | 1.27% | 1.26% | 1.42% | 1.86% | 1.47% |
| 2023 | 1.13% | 0.61% | 1.08% | 1.28% | 1.23% | 1.27% | 1.42% | 1.77% | 1.46% |
| 2024 | 1.16% | 0.65% | 1.11% | 1.29% | 1.21% | 1.28% | 1.42% | 1.69% | 1.45% |
| 2025 | 1.19% | 0.69% | 1.13% | 1.30% | 1.22% | 1.30% | 1.42% | 1.65% | 1.44% |
| 2026 | 1.21% | 0.69% | 1.16% | 1.32% | 1.17% | 1.30% | 1.42% | 1.58% | 1.44% |
| 2027 | 1.23% | 0.72% | 1.18% | 1.33% | 1.17% | 1.31% | 1.42% | 1.55% | 1.43% |
| 2028 | 1.25% | 0.71% | 1.19% | 1.33% | 1.13% | 1.31% | 1.42% | 1.48% | 1.42% |
| 2029 | 1.27% | 0.75% | 1.21% | 1.34% | 1.13% | 1.32% | 1.42% | 1.46% | 1.42% |
| 2030 | 1.28% | 0.75% | 1.22% | 1.35% | 1.11% | 1.32% | 1.42% | 1.41% | 1.42% |
| 2031 | 1.29% | 0.77% | 1.24% | 1.36% | 1.11% | 1.33% | 1.42% | 1.39% | 1.41% |
| 2032 | 1.30% | 0.77% | 1.25% | 1.36% | 1.08% | 1.33% | 1.42% | 1.34% | 1.41% |
| 2033 | 1.31% | 0.78% | 1.26% | 1.37% | 1.09% | 1.34% | 1.42% | 1.34% | 1.41% |
| 2034 | 1.32% | 0.77% | 1.26% | 1.37% | 1.05% | 1.33% | 1.42% | 1.28% | 1.40% |
| 2035 | 1.33% | 0.79% | 1.27% | 1.37% | 1.06% | 1.34% | 1.42% | 1.27% | 1.40% |
| 2036 | 1.34% | 0.79% | 1.28% | 1.38% | 1.03% | 1.34% | 1.42% | 1.23% | 1.39% |
| 2037 | 1.39% | 0.78% | 1.33% | 1.38% | 1.03% | 1.34% | 1.37% | 1.21% | 1.35% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 31.18% |
| Medium: | 27.88% |
| Low: | 24.48% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

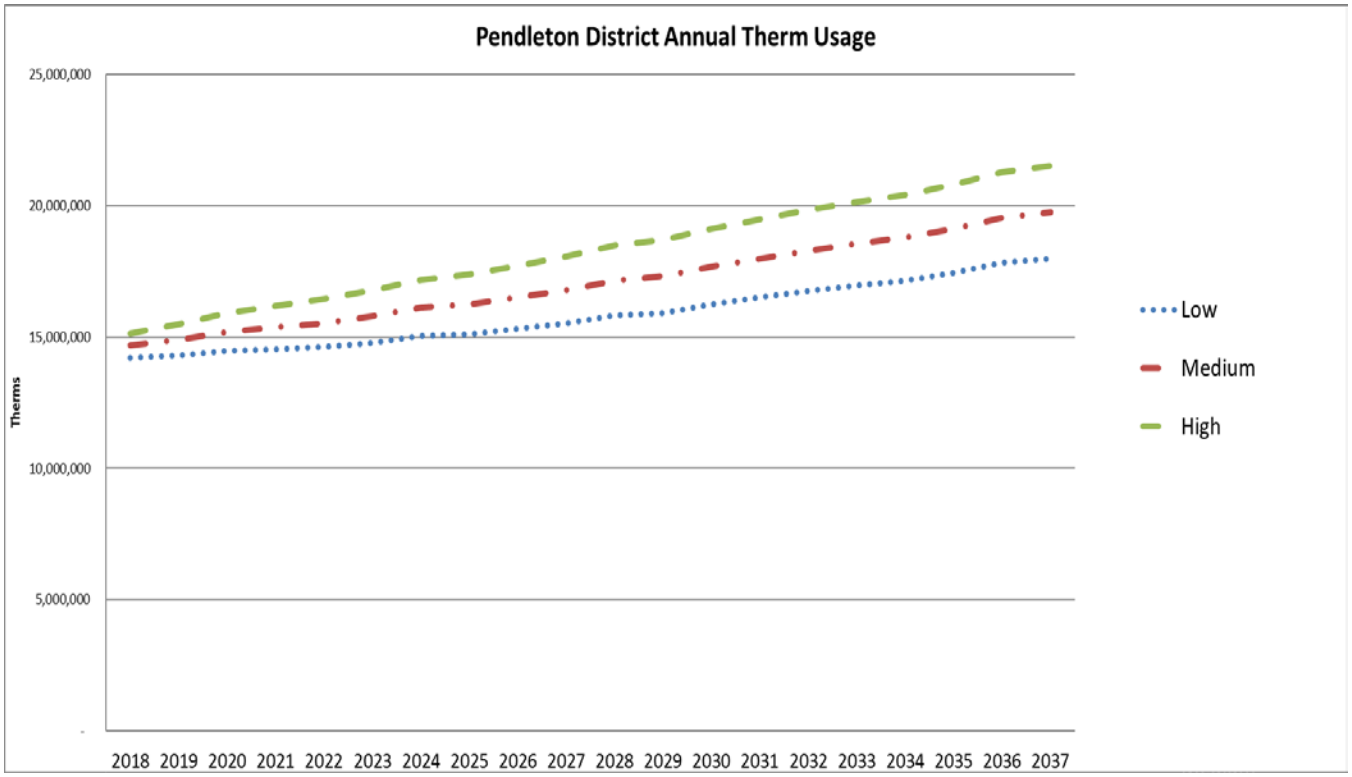
## Pendleton District

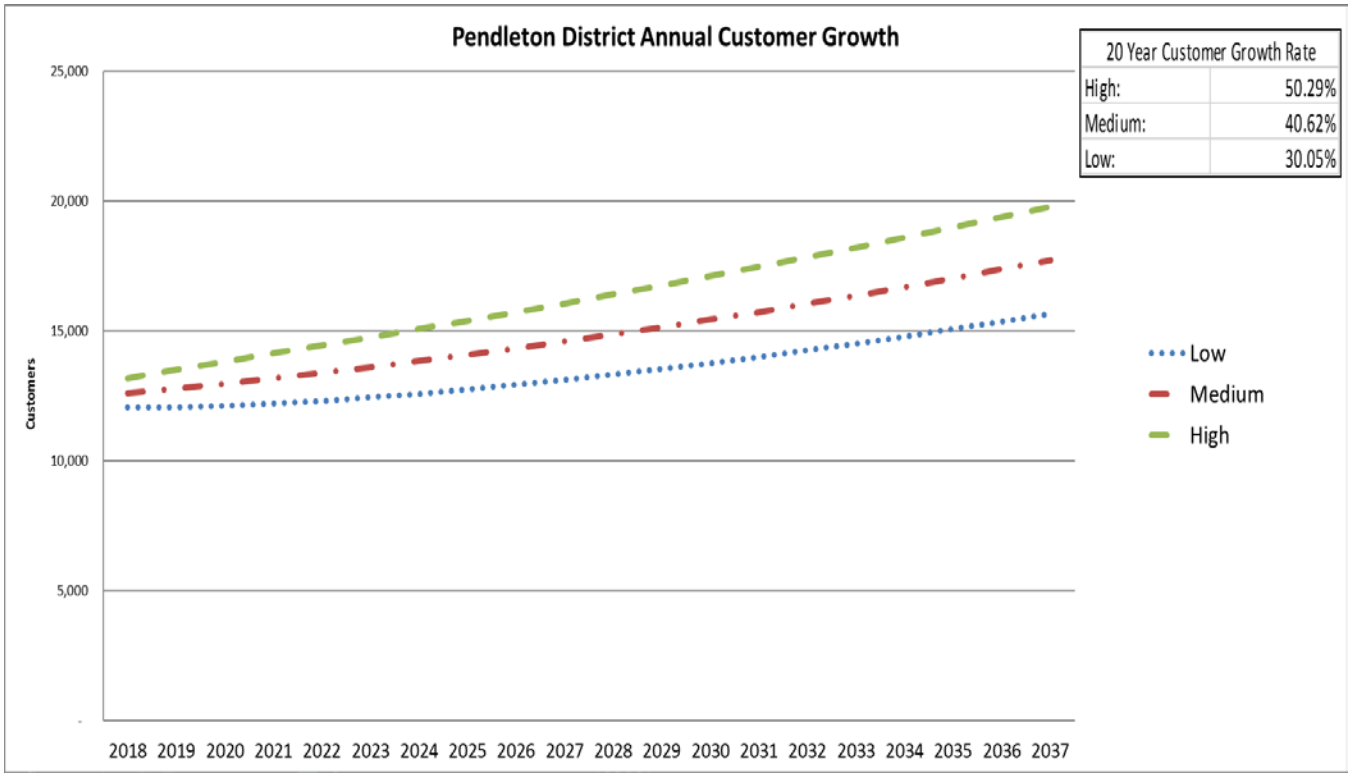
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,995,018 | 5,224,113 | 14,219,131 | 9,303,623 | 5,376,109 | 14,679,733 | 9,607,834 | 5,532,285 | 15,140,119 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 9,014,514 | 5,283,468 | 14,297,982 | 9,424,960 | 5,479,427 | 14,904,387 | 9,830,128 | 5,681,025 | 15,511,153 | 0.22% | 1.14% | 0.55% | 1.30% | 1.92% | 1.53% | 2.31% | 2.69% | 2.45% |
| 2020 | 9,118,151 | 5,353,026 | 14,471,177 | 9,609,817 | 5,588,167 | 15,197,984 | 10,104,604 | 5,822,403 | 15,927,007 | 1.15% | 1.32% | 1.21% | 1.96% | 1.98% | 1.97% | 2.79% | 2.49% | 2.68% |
| 2021 | 9,118,750 | 5,432,119 | 14,550,869 | 9,677,582 | 5,696,407 | 15,373,989 | 10,234,542 | 5,963,006 | 16,197,548 | 0.01% | 1.48% | 0.55% | 0.71% | 1.94% | 1.16% | 1.29% | 2.41% | 1.70% |
| 2022 | 9,165,219 | 5,453,499 | 14,618,719 | 9,787,989 | 5,746,364 | 15,534,352 | 10,407,059 | 6,040,555 | 16,447,614 | 0.51% | 0.39% | 0.47% | 1.14% | 0.88% | 1.04% | 1.69% | 1.30% | 1.54% |
| 2023 | 9,251,296 | 5,542,337 | 14,793,633 | 9,931,241 | 5,859,696 | 15,790,937 | 10,601,582 | 6,178,485 | 16,780,067 | 0.94% | 1.63% | 1.20% | 1.46% | 1.97% | 1.65% | 1.87% | 2.28% | 2.02% |
| 2024 | 9,412,616 | 5,632,194 | 15,044,810 | 10,142,342 | 5,975,800 | 16,118,142 | 10,872,199 | 6,317,700 | 17,189,899 | 1.74% | 1.62% | 1.70% | 2.13% | 1.98% | 2.07% | 2.55% | 2.25% | 2.44% |
| 2025 | 9,429,327 | 5,667,298 | 15,096,625 | 10,203,684 | 6,031,629 | 16,235,313 | 10,976,493 | 6,397,214 | 17,373,707 | 0.18% | 0.62% | 0.34% | 0.60% | 0.93% | 0.73% | 0.96% | 1.26% | 1.07% |
| 2026 | 9,540,169 | 5,769,704 | 15,309,873 | 10,359,578 | 6,152,346 | 16,511,924 | 11,178,417 | 6,537,626 | 17,716,044 | 1.18% | 1.81% | 1.41% | 1.53% | 2.00% | 1.70% | 1.84% | 2.19% | 1.97% |
| 2027 | 9,659,890 | 5,870,162 | 15,530,052 | 10,521,799 | 6,273,313 | 16,795,112 | 11,384,670 | 6,678,437 | 18,063,107 | 1.25% | 1.74% | 1.44% | 1.57% | 1.97% | 1.72% | 1.85% | 2.15% | 1.96% |
| 2028 | 9,848,609 | 5,974,132 | 15,822,740 | 10,755,399 | 6,399,288 | 17,154,686 | 11,661,757 | 6,818,833 | 18,480,590 | 1.95% | 1.77% | 1.88% | 2.22% | 2.01% | 2.14% | 2.43% | 2.10% | 2.31% |
| 2029 | 9,895,728 | 6,034,762 | 15,930,490 | 10,836,471 | 6,475,145 | 17,311,616 | 11,778,692 | 6,915,812 | 18,694,504 | 0.48% | 1.01% | 0.68% | 0.75% | 1.19% | 0.91% | 1.00% | 1.42% | 1.16% |
| 2030 | 10,027,517 | 6,217,288 | 16,244,804 | 11,005,438 | 6,674,504 | 17,679,942 | 11,979,371 | 7,133,118 | 19,112,490 | 1.33% | 3.02% | 1.97% | 1.56% | 3.08% | 2.13% | 1.70% | 3.14% | 2.24% |
| 2031 | 10,168,217 | 6,335,338 | 16,503,555 | 11,184,338 | 6,807,441 | 17,991,779 | 12,199,777 | 7,279,676 | 19,479,452 | 1.40% | 1.90% | 1.59% | 1.63% | 1.99% | 1.76% | 1.84% | 2.05% | 1.92% |
| 2032 | 10,364,900 | 6,387,325 | 16,752,225 | 11,418,625 | 6,877,386 | 18,296,011 | 12,472,942 | 7,369,394 | 19,842,337 | 1.93% | 0.82% | 1.51% | 2.09% | 1.03% | 1.69% | 2.24% | 1.23% | 1.86% |
| 2033 | 10,456,252 | 6,504,245 | 16,960,496 | 11,534,155 | 7,012,814 | 18,546,970 | 12,617,565 | 7,515,644 | 20,133,210 | 0.88% | 1.83% | 1.24% | 1.01% | 1.97% | 1.37% | 1.16% | 1.98% | 1.47% |
| 2034 | 10,592,320 | 6,564,774 | 17,157,094 | 11,705,936 | 7,084,405 | 18,790,340 | 12,820,767 | 7,606,087 | 20,426,853 | 1.30% | 0.93% | 1.16% | 1.49% | 1.02% | 1.31% | 1.61% | 1.20% | 1.46% |
| 2035 | 10,761,676 | 6,689,423 | 17,451,098 | 11,908,652 | 7,224,896 | 19,133,548 | 13,054,050 | 7,757,900 | 20,811,950 | 1.60% | 1.90% | 1.71% | 1.73% | 1.98% | 1.83% | 1.82% | 2.00% | 1.89% |
| 2036 | 11,010,324 | 6,815,153 | 17,825,477 | 12,190,854 | 7,362,775 | 19,553,629 | 13,375,322 | 7,913,812 | 21,289,134 | 2.31% | 1.88% | 2.15% | 2.37% | 1.91% | 2.20% | 2.46% | 2.01% | 2.29% |
| 2037 | 11,322,100 | 6,663,221 | 17,985,321 | 12,558,439 | 7,196,407 | 19,754,845 | 13,793,770 | 7,731,325 | 21,525,095 | 2.83% | -2.23% | 0.90% | 3.02% | -2.26% | 1.03% | 3.13% | -2.31% | 1.11% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 14,313 | 157,084 | 171,396 | 14,729 | 159,294 | 174,023 | 15,157 | 161,516 | 176,673 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 14,475 | 159,342 | 173,817 | 15,012 | 161,469 | 176,481 | 15,564 | 163,604 | 179,169 | 1.14% | 1.44% | 1.41% | 1.92% | 1.37% | 1.41% | 2.69% | 1.29% | 1.41% |
| 2020 | 14,666 | 161,572 | 176,238 | 15,310 | 163,629 | 178,939 | 15,952 | 165,712 | 181,663 | 1.32% | 1.40% | 1.39% | 1.98% | 1.34% | 1.39% | 2.49% | 1.29% | 1.39% |
| 2021 | 14,883 | 163,974 | 178,857 | 15,607 | 165,991 | 181,598 | 16,337 | 168,026 | 184,363 | 1.48% | 1.49% | 1.49% | 1.94% | 1.44% | 1.49% | 2.41% | 1.40% | 1.49% |
| 2022 | 14,941 | 165,975 | 180,916 | 15,743 | 167,945 | 183,689 | 16,549 | 169,936 | 186,486 | 0.39% | 1.22% | 1.15% | 0.88% | 1.18% | 1.15% | 1.30% | 1.14% | 1.15% |
| 2023 | 15,184 | 168,486 | 183,670 | 16,054 | 170,432 | 186,485 | 16,927 | 172,398 | 189,325 | 1.63% | 1.51% | 1.52% | 1.97% | 1.48% | 1.52% | 2.28% | 1.45% | 1.52% |
| 2024 | 15,431 | 171,027 | 186,458 | 16,372 | 172,943 | 189,315 | 17,309 | 174,889 | 192,198 | 1.62% | 1.51% | 1.52% | 1.98% | 1.47% | 1.52% | 2.25% | 1.45% | 1.52% |
| 2025 | 15,527 | 173,214 | 188,741 | 16,525 | 175,109 | 191,634 | 17,527 | 177,025 | 194,552 | 0.62% | 1.28% | 1.22% | 0.93% | 1.25% | 1.22% | 1.26% | 1.22% | 1.22% |
| 2026 | 15,807 | 176,014 | 191,822 | 16,856 | 177,906 | 194,762 | 17,911 | 179,816 | 197,727 | 1.81% | 1.62% | 1.63% | 2.00% | 1.60% | 1.63% | 2.19% | 1.58% | 1.63% |
| 2027 | 16,083 | 178,869 | 194,951 | 17,187 | 180,752 | 197,939 | 18,297 | 182,656 | 200,953 | 1.74% | 1.62% | 1.63% | 1.97% | 1.60% | 1.63% | 2.15% | 1.58% | 1.63% |
| 2028 | 16,367 | 181,804 | 198,171 | 17,532 | 183,676 | 201,209 | 18,682 | 185,591 | 204,272 | 1.77% | 1.64% | 1.65% | 2.01% | 1.62% | 1.65% | 2.10% | 1.61% | 1.65% |
| 2029 | 16,534 | 184,444 | 200,978 | 17,740 | 186,318 | 204,058 | 18,947 | 188,218 | 207,165 | 1.01% | 1.45% | 1.42% | 1.19% | 1.44% | 1.42% | 1.42% | 1.42% | 1.42% |
| 2030 | 17,034 | 188,595 | 205,629 | 18,286 | 190,494 | 208,780 | 19,543 | 192,416 | 211,959 | 3.02% | 2.25% | 2.31% | 3.08% | 2.24% | 2.31% | 3.14% | 2.23% | 2.31% |
| 2031 | 17,357 | 191,728 | 209,085 | 18,651 | 193,639 | 212,289 | 19,944 | 195,577 | 215,522 | 1.90% | 1.66% | 1.68% | 1.99% | 1.65% | 1.68% | 2.05% | 1.64% | 1.68% |
| 2032 | 17,500 | 194,531 | 212,031 | 18,842 | 196,438 | 215,280 | 20,190 | 198,368 | 218,559 | 0.82% | 1.46% | 1.41% | 1.03% | 1.45% | 1.41% | 1.23% | 1.43% | 1.41% |
| 2033 | 17,820 | 197,713 | 215,533 | 19,213 | 199,623 | 218,837 | 20,591 | 201,578 | 222,169 | 1.83% | 1.64% | 1.65% | 1.97% | 1.62% | 1.65% | 1.98% | 1.62% | 1.65% |
| 2034 | 17,986 | 200,681 | 218,666 | 19,409 | 202,608 | 222,018 | 20,839 | 204,560 | 225,398 | 0.93% | 1.50% | 1.45% | 1.02% | 1.50% | 1.45% | 1.20% | 1.48% | 1.45% |
| 2035 | 18,327 | 204,104 | 222,431 | 19,794 | 206,046 | 225,840 | 21,255 | 208,024 | 229,279 | 1.90% | 1.71% | 1.72% | 1.98% | 1.70% | 1.72% | 2.00% | 1.69% | 1.72% |
| 2036 | 18,672 | 207,655 | 226,327 | 20,172 | 209,624 | 229,796 | 21,682 | 211,613 | 233,295 | 1.88% | 1.74% | 1.75% | 1.91% | 1.74% | 1.75% | 2.01% | 1.73% | 1.75% |
| 2037 | 18,255 | 211,282 | 229,537 | 19,716 | 213,339 | 233,055 | 21,182 | 215,422 | 236,604 | -2.23% | 1.75% | 1.42% | -2.26% | 1.77% | 1.42% | -2.31% | 1.80% | 1.42% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 5,771,476 | 8,447,655 | 14,219,131 | 6,055,217 | 8,624,516 | 14,679,733 | 6,338,430 | 8,801,689 | 15,140,119 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 5,781,405 | 8,516,577 | 14,297,982 | 6,146,849 | 8,757,539 | 14,904,387 | 6,511,829 | 8,999,324 | 15,511,153 | 0.17% | 0.82% | 0.55% | 1.51% | 1.54% | 1.53% | 2.74% | 2.25% | 2.45% |
| 2020 | 5,838,159 | 8,633,018 | 14,471,177 | 6,271,739 | 8,926,245 | 15,197,984 | 6,705,845 | 9,221,162 | 15,927,007 | 0.98% | 1.37% | 1.21% | 2.03% | 1.93% | 1.97% | 2.98% | 2.47% | 2.68% |
| 2021 | 5,858,071 | 8,692,798 | 14,550,869 | 6,347,659 | 9,026,331 | 15,373,989 | 6,837,432 | 9,360,116 | 16,197,548 | 0.34% | 0.69% | 0.55% | 1.21% | 1.12% | 1.16% | 1.96% | 1.51% | 1.70% |
| 2022 | 5,915,248 | 8,703,471 | 14,618,719 | 6,456,645 | 9,077,707 | 15,534,352 | 6,997,730 | 9,449,883 | 16,447,614 | 0.98% | 0.12% | 0.47% | 1.72% | 0.57% | 1.04% | 2.34% | 0.96% | 1.54% |
| 2023 | 5,983,381 | 8,810,252 | 14,793,633 | 6,571,478 | 9,219,459 | 15,790,937 | 7,159,651 | 9,620,416 | 16,780,067 | 1.15% | 1.23% | 1.20% | 1.78% | 1.56% | 1.65% | 2.31% | 1.80% | 2.02% |
| 2024 | 6,088,118 | 8,956,692 | 15,044,810 | 6,722,563 | 9,395,579 | 16,118,142 | 7,357,311 | 9,832,588 | 17,189,899 | 1.75% | 1.66% | 1.70% | 2.30% | 1.91% | 2.07% | 2.76% | 2.21% | 2.44% |
| 2025 | 6,146,395 | 8,950,230 | 15,096,625 | 6,819,033 | 9,416,280 | 16,235,313 | 7,491,641 | 9,882,066 | 17,373,707 | 0.96% | -0.07% | 0.34% | 1.44% | 0.22% | 0.73% | 1.83% | 0.50% | 1.07% |
| 2026 | 6,239,801 | 9,070,072 | 15,309,873 | 6,950,996 | 9,560,929 | 16,511,924 | 7,661,855 | 10,054,189 | 17,716,044 | 1.52% | 1.34% | 1.41% | 1.94% | 1.54% | 1.70% | 2.27% | 1.74% | 1.97% |
| 2027 | 6,340,827 | 9,189,226 | 15,530,052 | 7,088,238 | 9,706,874 | 16,795,112 | 7,835,499 | 10,227,608 | 18,063,107 | 1.62% | 1.31% | 1.44% | 1.97% | 1.53% | 1.72% | 2.27% | 1.72% | 1.96% |
| 2028 | 6,476,440 | 9,346,300 | 15,822,740 | 7,261,477 | 9,893,210 | 17,154,686 | 8,046,818 | 10,433,772 | 18,480,590 | 2.14% | 1.71% | 1.88% | 2.44% | 1.92% | 2.14% | 2.70% | 2.02% | 2.31% |
| 2029 | 6,563,496 | 9,366,994 | 15,930,490 | 7,378,637 | 9,932,979 | 17,311,616 | 8,194,064 | 10,500,440 | 18,694,504 | 1.34% | 0.22% | 0.68% | 1.61% | 0.40% | 0.91% | 1.83% | 0.64% | 1.16% |
| 2030 | 6,684,622 | 9,560,182 | 16,244,804 | 7,531,995 | 10,147,947 | 17,679,942 | 8,378,992 | 10,733,498 | 19,112,490 | 1.85% | 2.06% | 1.97% | 2.08% | 2.16% | 2.13% | 2.26% | 2.22% | 2.24% |
| 2031 | 6,812,120 | 9,691,435 | 16,503,555 | 7,690,157 | 10,301,622 | 17,991,779 | 8,568,351 | 10,911,101 | 19,479,452 | 1.91% | 1.37% | 1.59% | 2.10% | 1.51% | 1.76% | 2.26% | 1.65% | 1.92% |
| 2032 | 6,976,806 | 9,775,419 | 16,752,225 | 7,888,308 | 10,407,703 | 18,296,011 | 8,800,001 | 11,042,335 | 19,842,337 | 2.42% | 0.87% | 1.51% | 2.58% | 1.03% | 1.69% | 2.70% | 1.20% | 1.86% |
| 2033 | 7,084,481 | 9,876,015 | 16,960,496 | 8,021,091 | 10,525,879 | 18,546,970 | 8,957,226 | 11,175,984 | 20,133,210 | 1.54% | 1.03% | 1.24% | 1.68% | 1.14% | 1.37% | 1.79% | 1.21% | 1.47% |
| 2034 | 7,229,594 | 9,927,501 | 17,157,094 | 8,194,132 | 10,596,209 | 18,790,340 | 9,158,336 | 11,268,518 | 20,426,853 | 2.05% | 0.52% | 1.16% | 2.16% | 0.67% | 1.31% | 2.25% | 0.83% | 1.46% |
| 2035 | 7,380,898 | 10,070,201 | 17,451,098 | 8,372,433 | 10,761,115 | 19,133,548 | 9,364,048 | 11,447,902 | 20,811,950 | 2.09% | 1.44% | 1.71% | 2.18% | 1.56% | 1.83% | 2.25% | 1.59% | 1.89% |
| 2036 | 7,570,581 | 10,254,896 | 17,825,477 | 8,592,760 | 10,960,869 | 19,553,629 | 9,615,374 | 11,673,760 | 21,289,134 | 2.57% | 1.83% | 2.15% | 2.63% | 1.86% | 2.20% | 2.68% | 1.97% | 2.29% |
| 2037 | 7,698,392 | 10,286,929 | 17,985,321 | 8,742,136 | 11,012,710 | 19,754,845 | 9,785,789 | 11,739,306 | 21,525,095 | 1.69% | 0.31% | 0.90% | 1.74% | 0.47% | 1.03% | 1.77% | 0.56% | 1.11% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,228 | 1,825 | 12,053 | 10,738 | 1,875 | 12,613 | 11,248 | 1,924 | 13,172 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,248 | 1,821 | 12,069 | 10,903 | 1,888 | 12,790 | 11,556 | 1,955 | 13,512 | 0.19% | -0.21% | 0.13% | 1.53% | 0.71% | 1.41% | 2.75% | 1.61% | 2.58% |
| 2020 | 10,304 | 1,821 | 12,126 | 11,076 | 1,902 | 12,979 | 11,849 | 1,984 | 13,833 | 0.55% | 0.00% | 0.47% | 1.60% | 0.75% | 1.47% | 2.53% | 1.44% | 2.38% |
| 2021 | 10,387 | 1,824 | 12,211 | 11,262 | 1,917 | 13,178 | 12,137 | 2,009 | 14,146 | 0.80% | 0.16% | 0.71% | 1.67% | 0.76% | 1.54% | 2.43% | 1.30% | 2.26% |
| 2022 | 10,491 | 1,827 | 12,318 | 11,457 | 1,931 | 13,388 | 12,423 | 2,034 | 14,457 | 1.00% | 0.19% | 0.88% | 1.74% | 0.74% | 1.59% | 2.36% | 1.22% | 2.20% |
| 2023 | 10,613 | 1,834 | 12,447 | 11,662 | 1,947 | 13,609 | 12,712 | 2,058 | 14,770 | 1.16% | 0.36% | 1.04% | 1.79% | 0.82% | 1.65% | 2.32% | 1.20% | 2.17% |
| 2024 | 10,750 | 1,842 | 12,592 | 11,878 | 1,962 | 13,840 | 13,005 | 2,083 | 15,088 | 1.30% | 0.42% | 1.17% | 1.85% | 0.81% | 1.70% | 2.31% | 1.20% | 2.15% |
| 2025 | 10,903 | 1,849 | 12,752 | 12,103 | 1,978 | 14,081 | 13,302 | 2,107 | 15,409 | 1.42% | 0.40% | 1.27% | 1.89% | 0.80% | 1.74% | 2.28% | 1.15% | 2.13% |
| 2026 | 11,070 | 1,859 | 12,929 | 12,338 | 1,995 | 14,333 | 13,606 | 2,131 | 15,737 | 1.53% | 0.55% | 1.39% | 1.94% | 0.86% | 1.79% | 2.28% | 1.15% | 2.13% |
| 2027 | 11,249 | 1,869 | 13,119 | 12,582 | 2,013 | 14,595 | 13,915 | 2,156 | 16,071 | 1.62% | 0.54% | 1.47% | 1.98% | 0.88% | 1.83% | 2.27% | 1.15% | 2.12% |
| 2028 | 11,443 | 1,880 | 13,323 | 12,836 | 2,031 | 14,867 | 14,231 | 2,180 | 16,411 | 1.72% | 0.59% | 1.56% | 2.02% | 0.90% | 1.86% | 2.27% | 1.11% | 2.11% |
| 2029 | 11,646 | 1,892 | 13,539 | 13,100 | 2,049 | 15,149 | 14,553 | 2,205 | 16,758 | 1.78% | 0.64% | 1.62% | 2.05% | 0.89% | 1.89% | 2.26% | 1.14% | 2.12% |
| 2030 | 11,862 | 1,906 | 13,768 | 13,372 | 2,068 | 15,441 | 14,883 | 2,230 | 17,113 | 1.85% | 0.73% | 1.69% | 2.08% | 0.95% | 1.93% | 2.26% | 1.16% | 2.12% |
| 2031 | 12,089 | 1,919 | 14,008 | 13,654 | 2,088 | 15,741 | 15,220 | 2,256 | 17,475 | 1.92% | 0.69% | 1.75% | 2.10% | 0.94% | 1.95% | 2.26% | 1.15% | 2.12% |
| 2032 | 12,327 | 1,933 | 14,259 | 13,945 | 2,107 | 16,051 | 15,562 | 2,281 | 17,843 | 1.97% | 0.70% | 1.79% | 2.13% | 0.90% | 1.97% | 2.25% | 1.09% | 2.10% |
| 2033 | 12,574 | 1,947 | 14,522 | 14,244 | 2,127 | 16,371 | 15,913 | 2,306 | 18,219 | 2.01% | 0.75% | 1.84% | 2.15% | 0.97% | 1.99% | 2.25% | 1.13% | 2.11% |
| 2034 | 12,832 | 1,962 | 14,794 | 14,552 | 2,146 | 16,698 | 16,271 | 2,332 | 18,602 | 2.05% | 0.75% | 1.88% | 2.16% | 0.92% | 2.00% | 2.25% | 1.09% | 2.10% |
| 2035 | 13,100 | 1,978 | 15,078 | 14,867 | 2,168 | 17,036 | 16,635 | 2,358 | 18,993 | 2.09% | 0.82% | 1.92% | 2.17% | 1.02% | 2.02% | 2.24% | 1.13% | 2.10% |
| 2036 | 13,378 | 1,995 | 15,372 | 15,192 | 2,189 | 17,381 | 17,006 | 2,385 | 19,391 | 2.12% | 0.87% | 1.95% | 2.18% | 0.97% | 2.03% | 2.23% | 1.14% | 2.10% |
| 2037 | 13,664 | 2,011 | 15,676 | 15,525 | 2,211 | 17,736 | 17,385 | 2,411 | 19,796 | 2.14% | 0.81% | 1.97% | 2.19% | 1.00% | 2.04% | 2.23% | 1.11% | 2.09% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 50.29% |
| Medium: | 40.62% |
| Low: | 30.05% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

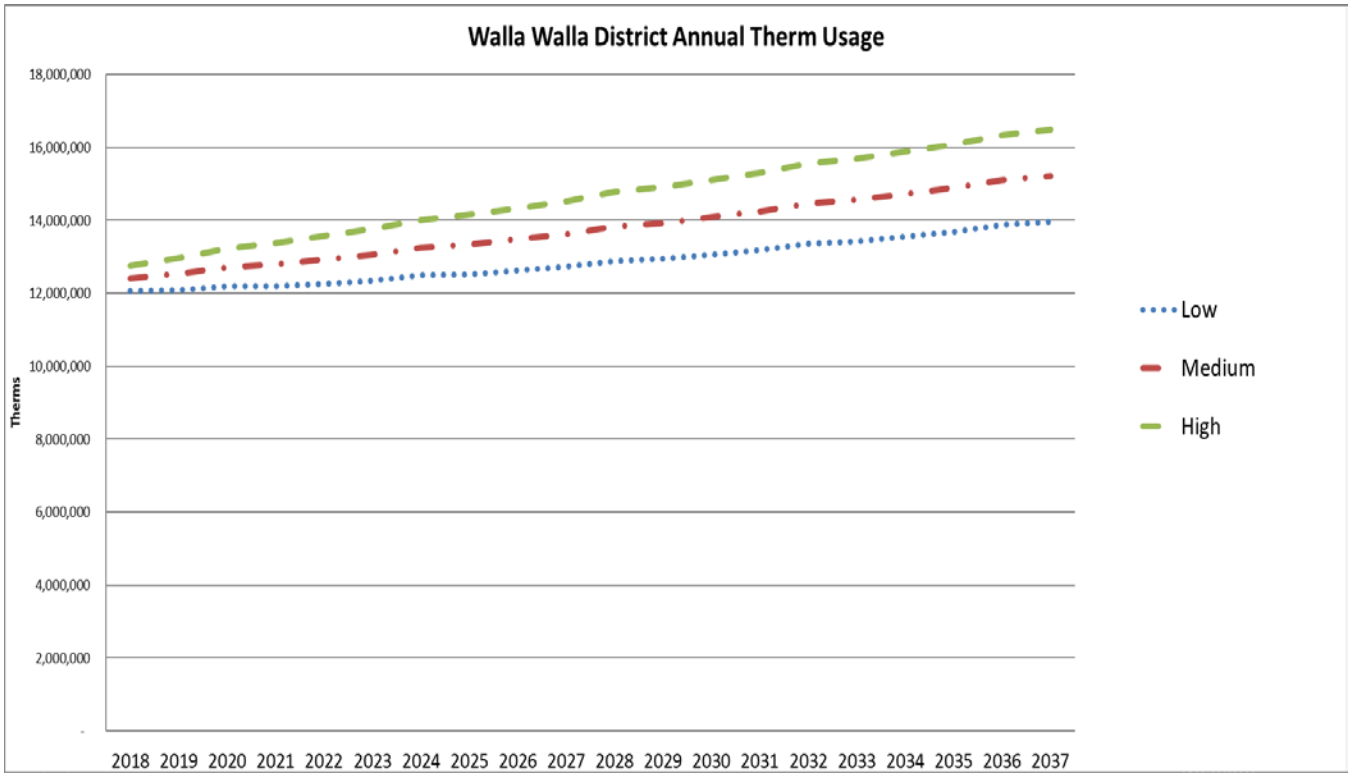
## Walla Walla District

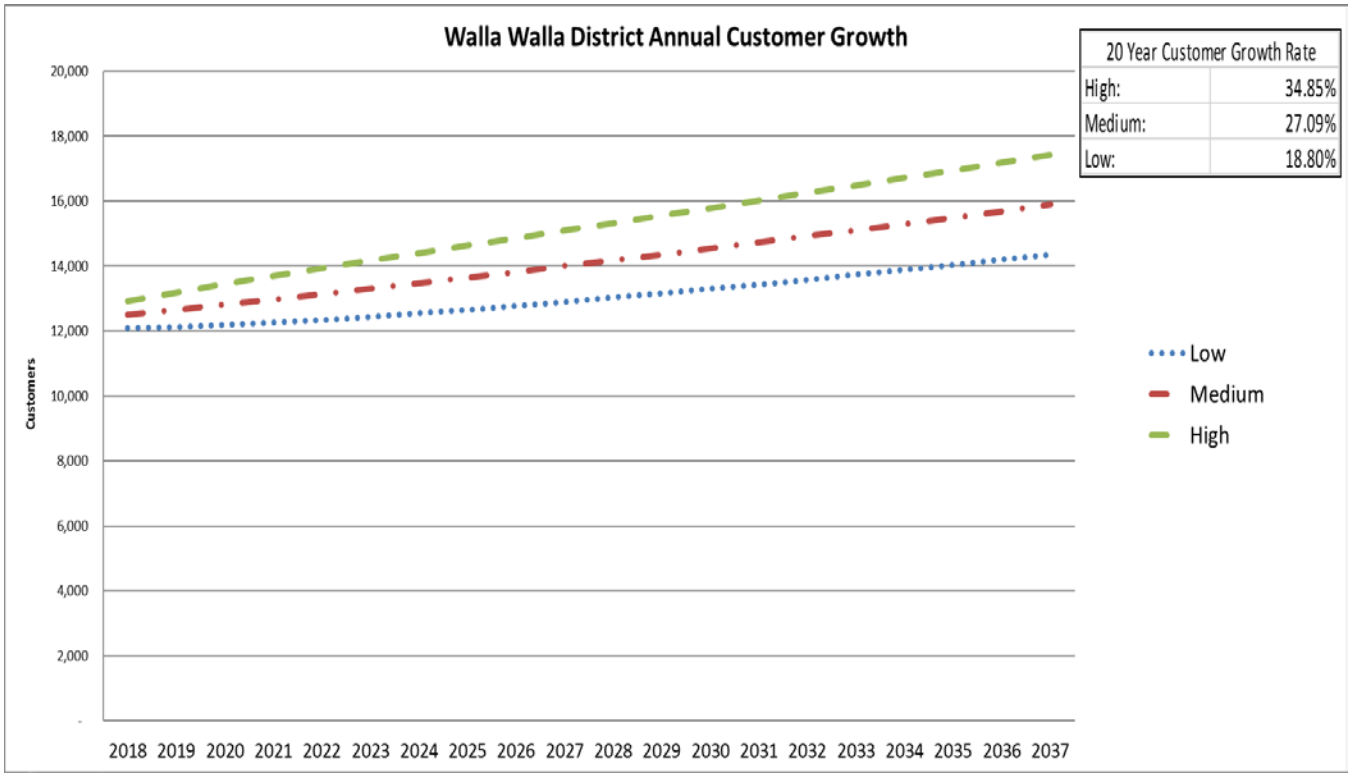
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 8,370,289 | 3,695,940 | 12,066,229 | 8,611,813 | 3,794,781 | 12,406,594 | 8,852,922 | 3,893,485 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 8,388,317 | 3,703,370 | 12,091,686 | 8,702,724 | 3,828,820 | 12,531,544 | 9,017,172 | 3,954,269 | 12,971,441 | 0.22% | 0.20% | 0.21% | 1.06% | 0.90% | 1.01% | 1.86% | 1.56% | 1.77% |
| 2020 | 8,470,864 | 3,717,010 | 12,187,874 | 8,845,737 | 3,864,243 | 12,709,980 | 9,220,941 | 4,011,476 | 13,232,418 | 0.98% | 0.37% | 0.80% | 1.64% | 0.93% | 1.42% | 2.26% | 1.45% | 2.01% |
| 2021 | 8,465,463 | 3,734,653 | 12,200,116 | 8,889,078 | 3,899,941 | 12,789,019 | 9,312,795 | 4,066,476 | 13,379,271 | -0.06% | 0.47% | 0.10% | 0.49% | 0.92% | 0.62% | 1.00% | 1.37% | 1.11% |
| 2022 | 8,515,303 | 3,754,641 | 12,269,944 | 8,984,931 | 3,937,160 | 12,922,091 | 9,454,886 | 4,119,543 | 13,574,430 | 0.59% | 0.54% | 0.57% | 1.08% | 0.95% | 1.04% | 1.53% | 1.30% | 1.46% |
| 2023 | 8,572,420 | 3,776,972 | 12,349,392 | 9,083,266 | 3,974,654 | 13,057,920 | 9,593,349 | 4,173,309 | 13,766,659 | 0.67% | 0.59% | 0.65% | 1.09% | 0.95% | 1.05% | 1.46% | 1.31% | 1.42% |
| 2024 | 8,685,500 | 3,801,237 | 12,486,737 | 9,237,488 | 4,013,395 | 13,250,884 | 9,789,285 | 4,225,554 | 14,014,839 | 1.32% | 0.64% | 1.11% | 1.70% | 0.97% | 1.48% | 2.04% | 1.25% | 1.80% |
| 2025 | 8,701,950 | 3,826,324 | 12,528,274 | 9,286,052 | 4,052,548 | 13,338,600 | 9,869,655 | 4,278,772 | 14,148,427 | 0.19% | 0.66% | 0.33% | 0.53% | 0.98% | 0.66% | 0.82% | 1.26% | 0.95% |
| 2026 | 8,771,669 | 3,854,318 | 12,625,987 | 9,388,960 | 4,093,085 | 13,482,046 | 10,007,667 | 4,331,715 | 14,339,382 | 0.80% | 0.73% | 0.78% | 1.11% | 1.00% | 1.08% | 1.40% | 1.24% | 1.35% |
| 2027 | 8,845,493 | 3,882,997 | 12,728,490 | 9,494,932 | 4,133,897 | 13,628,829 | 10,145,619 | 4,383,686 | 14,529,304 | 0.84% | 0.74% | 0.81% | 1.13% | 1.00% | 1.09% | 1.38% | 1.20% | 1.32% |
| 2028 | 8,973,522 | 3,912,224 | 12,885,747 | 9,657,007 | 4,174,982 | 13,831,989 | 10,341,610 | 4,436,492 | 14,778,102 | 1.45% | 0.75% | 1.24% | 1.71% | 0.99% | 1.49% | 1.93% | 1.20% | 1.71% |
| 2029 | 9,002,526 | 3,944,221 | 12,946,748 | 9,712,180 | 4,217,453 | 13,929,633 | 10,421,260 | 4,490,547 | 14,911,807 | 0.32% | 0.82% | 0.47% | 0.57% | 1.02% | 0.71% | 0.77% | 1.22% | 0.90% |
| 2030 | 9,086,106 | 3,976,629 | 13,062,735 | 9,822,679 | 4,260,197 | 14,082,876 | 10,560,449 | 4,543,628 | 15,104,076 | 0.93% | 0.82% | 0.90% | 1.14% | 1.01% | 1.10% | 1.34% | 1.18% | 1.29% |
| 2031 | 9,171,872 | 4,009,586 | 13,181,457 | 9,935,364 | 4,304,189 | 14,239,553 | 10,700,136 | 4,597,682 | 15,297,818 | 0.94% | 0.83% | 0.91% | 1.15% | 1.03% | 1.11% | 1.32% | 1.19% | 1.28% |
| 2032 | 9,314,699 | 4,044,064 | 13,358,762 | 10,108,116 | 4,348,592 | 14,456,709 | 10,903,557 | 4,651,873 | 15,555,431 | 1.56% | 0.86% | 1.35% | 1.74% | 1.03% | 1.53% | 1.90% | 1.18% | 1.68% |
| 2033 | 9,349,780 | 4,080,201 | 13,429,980 | 10,165,480 | 4,393,133 | 14,558,613 | 10,980,609 | 4,706,202 | 15,686,811 | 0.38% | 0.89% | 0.53% | 0.57% | 1.02% | 0.70% | 0.71% | 1.17% | 0.84% |
| 2034 | 9,442,707 | 4,116,475 | 13,559,181 | 10,281,882 | 4,439,058 | 14,720,940 | 11,121,586 | 4,761,641 | 15,883,227 | 0.99% | 0.89% | 0.96% | 1.15% | 1.05% | 1.11% | 1.28% | 1.18% | 1.25% |
| 2035 | 9,539,721 | 4,153,297 | 13,693,018 | 10,402,654 | 4,485,257 | 14,887,911 | 11,265,538 | 4,817,080 | 16,082,618 | 1.03% | 0.89% | 0.99% | 1.17% | 1.04% | 1.13% | 1.29% | 1.16% | 1.26% |
| 2036 | 9,692,837 | 4,191,504 | 13,884,341 | 10,584,233 | 4,531,593 | 15,115,827 | 11,474,868 | 4,872,793 | 16,347,661 | 1.61% | 0.92% | 1.40% | 1.75% | 1.03% | 1.53% | 1.86% | 1.16% | 1.65% |
| 2037 | 9,735,669 | 4,229,985 | 13,965,654 | 10,644,695 | 4,579,177 | 15,223,873 | 11,553,552 | 4,928,370 | 16,481,922 | 0.44% | 0.92% | 0.59% | 0.57% | 1.05% | 0.71% | 0.69% | 1.14% | 0.82% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 10,126 | 151,455 | 161,581 | 10,397 | 153,661 | 164,058 | 10,667 | 155,889 | 166,556 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,146 | 153,141 | 163,287 | 10,490 | 155,299 | 165,789 | 10,834 | 157,480 | 168,314 | 0.20% | 1.11% | 1.06% | 0.90% | 1.07% | 1.06% | 1.56% | 1.02% | 1.06% |
| 2020 | 10,184 | 154,825 | 165,008 | 10,587 | 156,950 | 167,537 | 10,990 | 159,098 | 170,088 | 0.37% | 1.10% | 1.05% | 0.93% | 1.06% | 1.05% | 1.45% | 1.03% | 1.05% |
| 2021 | 10,232 | 156,513 | 166,745 | 10,685 | 158,616 | 169,301 | 11,141 | 160,738 | 171,879 | 0.47% | 1.09% | 1.05% | 0.92% | 1.06% | 1.05% | 1.37% | 1.03% | 1.05% |
| 2022 | 10,287 | 158,252 | 168,539 | 10,787 | 160,335 | 171,122 | 11,286 | 162,441 | 173,727 | 0.54% | 1.11% | 1.08% | 0.95% | 1.08% | 1.08% | 1.30% | 1.06% | 1.08% |
| 2023 | 10,348 | 160,008 | 170,356 | 10,889 | 162,077 | 172,967 | 11,434 | 164,167 | 175,600 | 0.59% | 1.11% | 1.08% | 0.95% | 1.09% | 1.08% | 1.31% | 1.06% | 1.08% |
| 2024 | 10,414 | 161,807 | 172,221 | 10,996 | 163,865 | 174,861 | 11,577 | 165,946 | 177,523 | 0.64% | 1.12% | 1.10% | 0.97% | 1.10% | 1.10% | 1.25% | 1.08% | 1.10% |
| 2025 | 10,483 | 163,619 | 174,102 | 11,103 | 165,668 | 176,771 | 11,723 | 167,740 | 179,462 | 0.66% | 1.12% | 1.09% | 0.98% | 1.10% | 1.09% | 1.26% | 1.08% | 1.09% |
| 2026 | 10,560 | 165,488 | 176,048 | 11,214 | 167,532 | 178,746 | 11,868 | 169,600 | 181,468 | 0.73% | 1.14% | 1.12% | 1.00% | 1.13% | 1.12% | 1.24% | 1.11% | 1.12% |
| 2027 | 10,638 | 167,371 | 178,009 | 11,326 | 169,412 | 180,737 | 12,010 | 171,479 | 183,489 | 0.74% | 1.14% | 1.11% | 1.00% | 1.12% | 1.11% | 1.20% | 1.11% | 1.11% |
| 2028 | 10,718 | 169,300 | 180,019 | 11,438 | 171,339 | 182,778 | 12,155 | 173,406 | 185,561 | 0.75% | 1.15% | 1.13% | 0.99% | 1.14% | 1.13% | 1.20% | 1.12% | 1.13% |
| 2029 | 10,806 | 171,246 | 182,052 | 11,555 | 173,287 | 184,842 | 12,303 | 175,354 | 187,657 | 0.82% | 1.15% | 1.13% | 1.02% | 1.14% | 1.13% | 1.22% | 1.12% | 1.13% |
| 2030 | 10,895 | 173,198 | 184,093 | 11,672 | 175,243 | 186,915 | 12,448 | 177,312 | 189,761 | 0.82% | 1.14% | 1.12% | 1.01% | 1.13% | 1.12% | 1.18% | 1.12% | 1.12% |
| 2031 | 10,985 | 175,205 | 186,191 | 11,792 | 177,252 | 189,044 | 12,596 | 179,326 | 191,923 | 0.83% | 1.16% | 1.14% | 1.03% | 1.15% | 1.14% | 1.19% | 1.14% | 1.14% |
| 2032 | 11,080 | 177,224 | 188,304 | 11,914 | 179,276 | 191,190 | 12,745 | 181,356 | 194,101 | 0.86% | 1.15% | 1.14% | 1.03% | 1.14% | 1.14% | 1.18% | 1.13% | 1.14% |
| 2033 | 11,179 | 179,295 | 190,473 | 12,036 | 181,357 | 193,393 | 12,894 | 183,444 | 196,337 | 0.89% | 1.17% | 1.15% | 1.02% | 1.16% | 1.15% | 1.17% | 1.15% | 1.15% |
| 2034 | 11,278 | 181,340 | 192,618 | 12,162 | 183,409 | 195,570 | 13,046 | 185,503 | 198,548 | 0.89% | 1.14% | 1.13% | 1.05% | 1.13% | 1.13% | 1.18% | 1.12% | 1.13% |
| 2035 | 11,379 | 183,473 | 194,852 | 12,288 | 185,550 | 197,838 | 13,197 | 187,653 | 200,851 | 0.89% | 1.18% | 1.16% | 1.04% | 1.17% | 1.16% | 1.16% | 1.16% | 1.16% |
| 2036 | 11,484 | 185,569 | 197,053 | 12,415 | 187,658 | 200,073 | 13,350 | 189,769 | 203,120 | 0.92% | 1.14% | 1.13% | 1.03% | 1.14% | 1.13% | 1.16% | 1.13% | 1.13% |
| 2037 | 11,589 | 187,721 | 199,310 | 12,546 | 189,819 | 202,365 | 13,502 | 191,944 | 205,446 | 0.92% | 1.16% | 1.15% | 1.05% | 1.15% | 1.15% | 1.14% | 1.15% | 1.15% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 6,249,632 | 5,816,597 | 12,066,229 | 6,466,540 | 5,940,054 | 12,406,594 | 6,683,296 | 6,063,110 | 12,746,406 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 6,268,399 | 5,823,287 | 12,091,686 | 6,548,703 | 5,982,841 | 12,531,544 | 6,828,863 | 6,142,578 | 12,971,441 | 0.30% | 0.12% | 0.21% | 1.27% | 0.72% | 1.01% | 2.18% | 1.31% | 1.77% |
| 2020 | 6,327,058 | 5,860,816 | 12,187,874 | 6,659,906 | 6,050,075 | 12,709,980 | 6,992,581 | 6,239,837 | 13,232,418 | 0.94% | 0.64% | 0.80% | 1.70% | 1.12% | 1.42% | 2.40% | 1.58% | 2.01% |
| 2021 | 6,340,898 | 5,859,218 | 12,200,116 | 6,716,568 | 6,072,451 | 12,789,019 | 7,092,272 | 6,286,999 | 13,379,271 | 0.22% | -0.03% | 0.10% | 0.85% | 0.37% | 0.62% | 1.43% | 0.76% | 1.11% |
| 2022 | 6,386,616 | 5,883,327 | 12,269,944 | 6,801,870 | 6,120,222 | 12,922,091 | 7,217,020 | 6,357,410 | 13,574,430 | 0.72% | 0.41% | 0.57% | 1.27% | 0.79% | 1.04% | 1.76% | 1.12% | 1.46% |
| 2023 | 6,437,726 | 5,911,666 | 12,349,392 | 6,888,856 | 6,169,064 | 13,057,920 | 7,340,065 | 6,426,593 | 13,766,659 | 0.80% | 0.48% | 0.65% | 1.28% | 0.80% | 1.05% | 1.70% | 1.09% | 1.42% |
| 2024 | 6,520,211 | 5,966,526 | 12,486,737 | 7,006,930 | 6,243,953 | 13,250,884 | 7,493,473 | 6,521,366 | 14,014,839 | 1.28% | 0.93% | 1.11% | 1.71% | 1.21% | 1.48% | 2.09% | 1.47% | 1.80% |
| 2025 | 6,551,121 | 5,977,154 | 12,528,274 | 7,066,941 | 6,271,659 | 13,338,600 | 7,582,879 | 6,565,548 | 14,148,427 | 0.47% | 0.18% | 0.33% | 0.86% | 0.44% | 0.66% | 1.19% | 0.68% | 0.95% |
| 2026 | 6,612,259 | 6,013,729 | 12,625,987 | 7,157,531 | 6,324,514 | 13,482,046 | 7,702,846 | 6,636,536 | 14,339,382 | 0.93% | 0.61% | 0.78% | 1.28% | 0.84% | 1.08% | 1.58% | 1.08% | 1.35% |
| 2027 | 6,676,139 | 6,052,351 | 12,728,490 | 7,249,398 | 6,379,431 | 13,628,829 | 7,822,550 | 6,706,754 | 14,529,304 | 0.97% | 0.64% | 0.81% | 1.28% | 0.87% | 1.09% | 1.55% | 1.06% | 1.32% |
| 2028 | 6,769,936 | 6,115,810 | 12,885,747 | 7,372,240 | 6,459,749 | 13,831,989 | 7,974,414 | 6,803,688 | 14,778,102 | 1.40% | 1.05% | 1.24% | 1.69% | 1.26% | 1.49% | 1.94% | 1.45% | 1.71% |
| 2029 | 6,810,940 | 6,135,808 | 12,946,748 | 7,436,359 | 6,493,274 | 13,929,633 | 8,061,669 | 6,850,138 | 14,911,807 | 0.61% | 0.33% | 0.47% | 0.87% | 0.52% | 0.71% | 1.09% | 0.68% | 0.90% |
| 2030 | 6,881,827 | 6,180,908 | 13,062,735 | 7,531,607 | 6,551,270 | 14,082,876 | 8,181,291 | 6,922,785 | 15,104,076 | 1.04% | 0.74% | 0.90% | 1.28% | 0.89% | 1.10% | 1.48% | 1.06% | 1.29% |
| 2031 | 6,954,460 | 6,226,997 | 13,181,457 | 7,627,895 | 6,611,658 | 14,239,553 | 8,301,356 | 6,996,463 | 15,297,818 | 1.06% | 0.75% | 0.91% | 1.28% | 0.92% | 1.11% | 1.47% | 1.06% | 1.28% |
| 2032 | 7,058,537 | 6,300,226 | 13,358,762 | 7,757,597 | 6,699,112 | 14,456,709 | 8,456,729 | 7,098,701 | 15,555,431 | 1.50% | 1.18% | 1.35% | 1.70% | 1.32% | 1.53% | 1.87% | 1.46% | 1.68% |
| 2033 | 7,104,801 | 6,325,180 | 13,429,980 | 7,823,078 | 6,735,535 | 14,558,613 | 8,541,321 | 7,145,490 | 15,686,811 | 0.66% | 0.40% | 0.53% | 0.84% | 0.54% | 0.70% | 1.00% | 0.66% | 0.84% |
| 2034 | 7,182,787 | 6,376,394 | 13,559,181 | 7,922,310 | 6,798,630 | 14,720,940 | 8,662,083 | 7,221,144 | 15,883,227 | 1.10% | 0.81% | 0.96% | 1.27% | 0.94% | 1.11% | 1.41% | 1.06% | 1.25% |
| 2035 | 7,262,579 | 6,430,439 | 13,693,018 | 8,023,262 | 6,864,649 | 14,887,911 | 8,783,648 | 7,298,970 | 16,082,618 | 1.11% | 0.85% | 0.99% | 1.27% | 0.97% | 1.13% | 1.40% | 1.08% | 1.26% |
| 2036 | 7,374,400 | 6,509,941 | 13,884,341 | 8,158,395 | 6,957,432 | 15,115,827 | 8,942,359 | 7,405,302 | 16,347,661 | 1.54% | 1.24% | 1.40% | 1.68% | 1.35% | 1.53% | 1.81% | 1.46% | 1.65% |
| 2037 | 7,425,734 | 6,539,920 | 13,965,654 | 8,226,261 | 6,997,612 | 15,223,873 | 9,026,826 | 7,455,096 | 16,481,922 | 0.70% | 0.46% | 0.59% | 0.83% | 0.58% | 0.71% | 0.94% | 0.67% | 0.82% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 10,816 | 1,270 | 12,086 | 11,196 | 1,309 | 12,505 | 11,576 | 1,347 | 12,923 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 10,850 | 1,272 | 12,122 | 11,339 | 1,322 | 12,661 | 11,828 | 1,371 | 13,199 | 0.31% | 0.16% | 0.30% | 1.28% | 1.01% | 1.25% | 2.18% | 1.81% | 2.14% |
| 2020 | 10,906 | 1,277 | 12,183 | 11,484 | 1,335 | 12,819 | 12,062 | 1,394 | 13,456 | 0.52% | 0.37% | 0.50% | 1.28% | 1.03% | 1.25% | 1.97% | 1.65% | 1.94% |
| 2021 | 10,977 | 1,283 | 12,260 | 11,631 | 1,349 | 12,981 | 12,286 | 1,416 | 13,702 | 0.65% | 0.51% | 0.63% | 1.28% | 1.05% | 1.26% | 1.86% | 1.58% | 1.83% |
| 2022 | 11,057 | 1,291 | 12,348 | 11,780 | 1,364 | 13,145 | 12,503 | 1,438 | 13,941 | 0.73% | 0.59% | 0.72% | 1.28% | 1.10% | 1.26% | 1.77% | 1.54% | 1.75% |
| 2023 | 11,146 | 1,300 | 12,446 | 11,932 | 1,379 | 13,311 | 12,717 | 1,459 | 14,176 | 0.80% | 0.68% | 0.79% | 1.29% | 1.11% | 1.27% | 1.71% | 1.48% | 1.69% |
| 2024 | 11,241 | 1,310 | 12,551 | 12,085 | 1,395 | 13,480 | 12,929 | 1,481 | 14,409 | 0.85% | 0.76% | 0.84% | 1.29% | 1.14% | 1.27% | 1.66% | 1.47% | 1.64% |
| 2025 | 11,343 | 1,320 | 12,663 | 12,241 | 1,411 | 13,652 | 13,139 | 1,502 | 14,641 | 0.90% | 0.79% | 0.89% | 1.29% | 1.14% | 1.27% | 1.62% | 1.45% | 1.61% |
| 2026 | 11,449 | 1,331 | 12,780 | 12,398 | 1,428 | 13,826 | 13,347 | 1,524 | 14,871 | 0.94% | 0.86% | 0.93% | 1.29% | 1.17% | 1.27% | 1.59% | 1.46% | 1.57% |
| 2027 | 11,560 | 1,343 | 12,903 | 12,558 | 1,444 | 14,002 | 13,555 | 1,546 | 15,101 | 0.97% | 0.90% | 0.96% | 1.29% | 1.19% | 1.28% | 1.56% | 1.42% | 1.55% |
| 2028 | 11,676 | 1,356 | 13,031 | 12,720 | 1,462 | 14,181 | 13,763 | 1,568 | 15,331 | 1.00% | 0.94% | 0.99% | 1.29% | 1.19% | 1.28% | 1.53% | 1.43% | 1.52% |
| 2029 | 11,795 | 1,369 | 13,164 | 12,883 | 1,480 | 14,363 | 13,971 | 1,590 | 15,561 | 1.02% | 0.99% | 1.02% | 1.29% | 1.22% | 1.28% | 1.51% | 1.42% | 1.50% |
| 2030 | 11,918 | 1,383 | 13,301 | 13,049 | 1,498 | 14,546 | 14,179 | 1,612 | 15,792 | 1.04% | 1.01% | 1.04% | 1.28% | 1.22% | 1.28% | 1.49% | 1.41% | 1.48% |
| 2031 | 12,045 | 1,397 | 13,442 | 13,216 | 1,516 | 14,732 | 14,388 | 1,635 | 16,023 | 1.06% | 1.03% | 1.06% | 1.28% | 1.24% | 1.28% | 1.47% | 1.41% | 1.47% |
| 2032 | 12,174 | 1,412 | 13,586 | 13,385 | 1,535 | 14,921 | 14,597 | 1,658 | 16,255 | 1.08% | 1.08% | 1.08% | 1.28% | 1.25% | 1.28% | 1.45% | 1.41% | 1.45% |
| 2033 | 12,307 | 1,428 | 13,735 | 13,557 | 1,555 | 15,111 | 14,806 | 1,681 | 16,488 | 1.09% | 1.09% | 1.09% | 1.28% | 1.26% | 1.28% | 1.43% | 1.39% | 1.43% |
| 2034 | 12,443 | 1,444 | 13,886 | 13,729 | 1,574 | 15,303 | 15,016 | 1,705 | 16,721 | 1.10% | 1.11% | 1.10% | 1.27% | 1.27% | 1.27% | 1.42% | 1.40% | 1.42% |
| 2035 | 12,581 | 1,460 | 14,041 | 13,904 | 1,594 | 15,498 | 15,227 | 1,729 | 16,955 | 1.11% | 1.14% | 1.11% | 1.27% | 1.28% | 1.27% | 1.40% | 1.40% | 1.40% |
| 2036 | 12,721 | 1,477 | 14,198 | 14,080 | 1,615 | 15,694 | 15,438 | 1,753 | 17,190 | 1.12% | 1.15% | 1.12% | 1.26% | 1.28% | 1.27% | 1.39% | 1.38% | 1.39% |
| 2037 | 12,864 | 1,494 | 14,358 | 14,257 | 1,636 | 15,892 | 15,650 | 1,777 | 17,427 | 1.12% | 1.16% | 1.13% | 1.26% | 1.29% | 1.26% | 1.37% | 1.39% | 1.37% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 34.85% |
| Medium: | 27.09% |
| Low: | 18.80% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

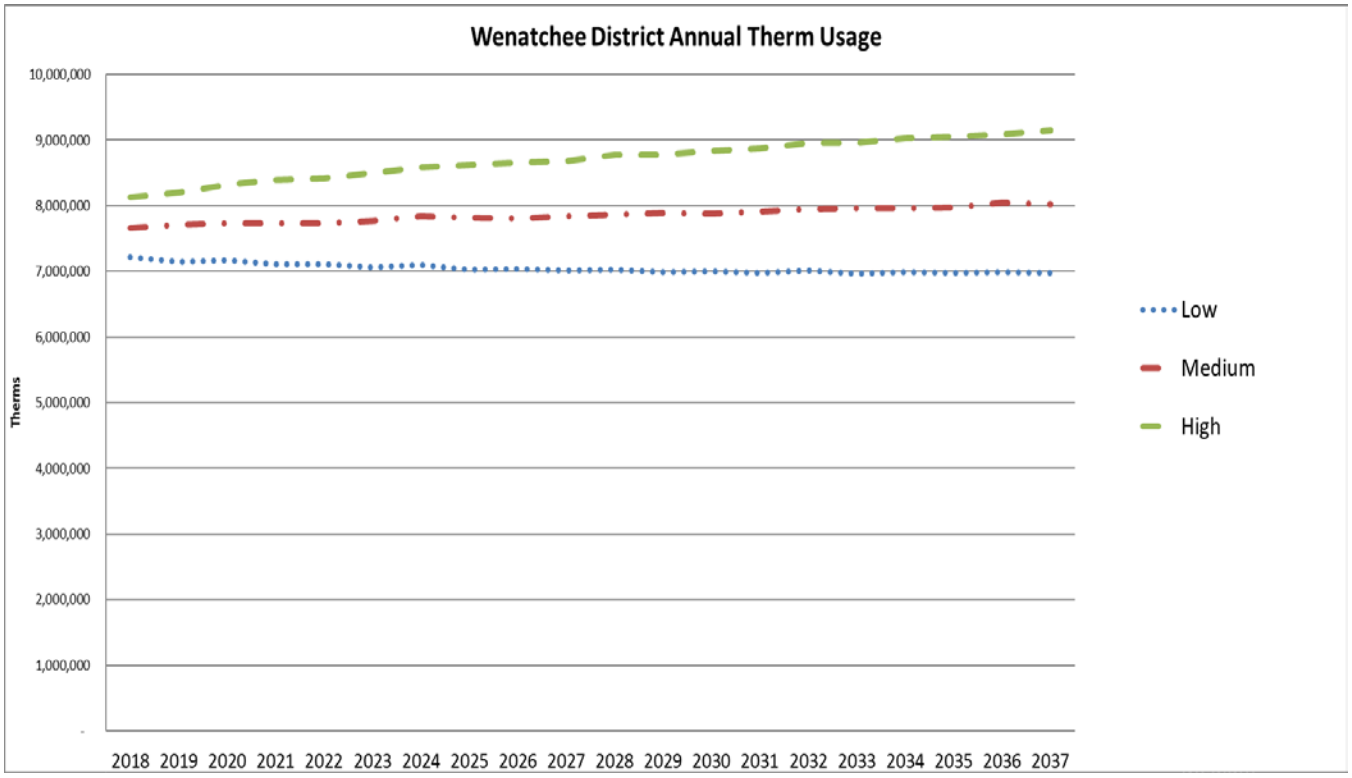
## Wenatchee District

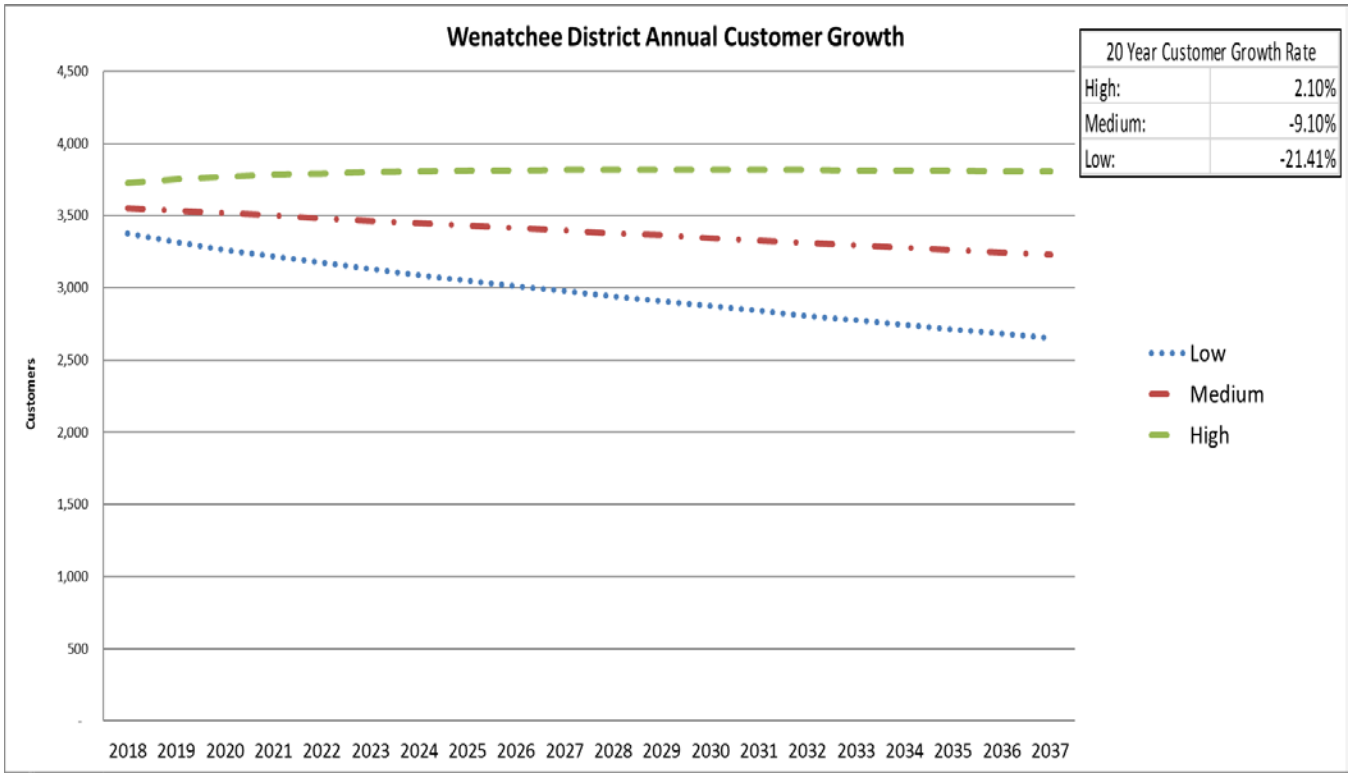
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 2,559,120 | 4,658,487 | 7,217,608 | 2,733,099 | 4,923,161 | 7,656,260 | 2,917,174 | 5,210,604 | 8,127,779 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,535,011 | 4,614,244 | 7,149,255 | 2,761,296 | 4,946,592 | 7,707,888 | 2,927,331 | 5,270,400 | 8,197,731 | -0.94% | -0.95% | -0.95% | 1.03% | 0.48% | 0.67% | 0.35% | 1.15% | 0.86% |
| 2020 | 2,564,642 | 4,604,517 | 7,169,159 | 2,784,720 | 4,944,186 | 7,728,907 | 2,987,041 | 5,330,315 | 8,317,356 | 1.17% | -0.21% | 0.28% | 0.85% | -0.05% | 0.27% | 2.04% | 1.14% | 1.46% |
| 2021 | 2,549,302 | 4,564,674 | 7,113,976 | 2,750,156 | 4,986,257 | 7,736,413 | 2,994,526 | 5,393,589 | 8,388,115 | -0.60% | -0.87% | -0.77% | -1.24% | 0.85% | 0.10% | 0.25% | 1.19% | 0.85% |
| 2022 | 2,533,748 | 4,573,648 | 7,107,396 | 2,743,189 | 4,990,622 | 7,733,811 | 3,020,012 | 5,402,711 | 8,422,723 | -0.61% | 0.20% | -0.09% | -0.25% | 0.09% | -0.03% | 0.85% | 0.17% | 0.41% |
| 2023 | 2,525,525 | 4,538,369 | 7,063,895 | 2,756,224 | 5,013,837 | 7,770,062 | 3,039,204 | 5,462,719 | 8,501,922 | -0.32% | -0.77% | -0.61% | 0.48% | 0.47% | 0.47% | 0.64% | 1.11% | 0.94% |
| 2024 | 2,539,548 | 4,553,449 | 7,092,997 | 2,796,378 | 5,039,754 | 7,836,132 | 3,105,782 | 5,475,937 | 8,581,719 | 0.56% | 0.33% | 0.41% | 1.46% | 0.52% | 0.85% | 2.19% | 0.24% | 0.94% |
| 2025 | 2,516,004 | 4,514,989 | 7,030,993 | 2,775,313 | 5,038,965 | 7,814,277 | 3,097,514 | 5,526,010 | 8,623,524 | -0.93% | -0.84% | -0.87% | -0.75% | -0.02% | -0.28% | -0.27% | 0.91% | 0.49% |
| 2026 | 2,501,362 | 4,532,134 | 7,033,496 | 2,777,731 | 5,032,731 | 7,810,462 | 3,122,627 | 5,535,030 | 8,657,657 | -0.58% | 0.38% | 0.04% | 0.09% | -0.12% | -0.05% | 0.81% | 0.16% | 0.40% |
| 2027 | 2,490,134 | 4,524,018 | 7,014,152 | 2,782,731 | 5,061,101 | 7,843,831 | 3,134,460 | 5,541,350 | 8,675,809 | -0.45% | -0.18% | -0.28% | 0.18% | 0.56% | 0.43% | 0.38% | 0.11% | 0.21% |
| 2028 | 2,508,078 | 4,521,041 | 7,029,119 | 2,805,958 | 5,056,483 | 7,862,441 | 3,185,534 | 5,596,218 | 8,781,752 | 0.72% | -0.07% | 0.21% | 0.83% | -0.09% | 0.24% | 1.63% | 0.99% | 1.22% |
| 2029 | 2,481,124 | 4,509,168 | 6,990,292 | 2,800,080 | 5,083,742 | 7,883,823 | 3,170,658 | 5,601,801 | 8,772,459 | -1.07% | -0.26% | -0.55% | -0.21% | 0.54% | 0.27% | -0.47% | 0.10% | -0.11% |
| 2030 | 2,475,395 | 4,531,003 | 7,006,398 | 2,798,682 | 5,082,448 | 7,881,129 | 3,199,191 | 5,636,924 | 8,836,115 | -0.23% | 0.48% | 0.23% | -0.05% | -0.03% | -0.03% | 0.90% | 0.63% | 0.73% |
| 2031 | 2,472,596 | 4,500,715 | 6,973,310 | 2,806,669 | 5,111,033 | 7,917,702 | 3,208,736 | 5,664,393 | 8,873,128 | -0.11% | -0.67% | -0.47% | 0.29% | 0.56% | 0.46% | 0.30% | 0.49% | 0.42% |
| 2032 | 2,498,713 | 4,518,793 | 7,017,506 | 2,839,212 | 5,110,244 | 7,949,455 | 3,258,589 | 5,699,353 | 8,957,943 | 1.06% | 0.40% | 0.63% | 1.16% | -0.02% | 0.40% | 1.55% | 0.62% | 0.96% |
| 2033 | 2,456,268 | 4,512,739 | 6,969,008 | 2,826,360 | 5,137,558 | 7,963,918 | 3,243,931 | 5,712,667 | 8,956,598 | -1.70% | -0.13% | -0.69% | -0.45% | 0.53% | 0.18% | -0.45% | 0.23% | -0.02% |
| 2034 | 2,469,329 | 4,518,717 | 6,988,046 | 2,825,599 | 5,140,182 | 7,965,782 | 3,261,495 | 5,769,135 | 9,030,630 | 0.53% | 0.13% | 0.27% | -0.03% | 0.05% | 0.02% | 0.54% | 0.99% | 0.83% |
| 2035 | 2,471,198 | 4,507,580 | 6,978,778 | 2,827,718 | 5,140,504 | 7,968,222 | 3,273,552 | 5,773,857 | 9,047,409 | 0.08% | -0.25% | -0.13% | 0.07% | 0.01% | 0.03% | 0.37% | 0.08% | 0.19% |
| 2036 | 2,488,804 | 4,501,813 | 6,990,617 | 2,869,216 | 5,173,133 | 8,042,349 | 3,311,467 | 5,782,906 | 9,094,373 | 0.71% | -0.13% | 0.17% | 1.47% | 0.63% | 0.93% | 1.16% | 0.16% | 0.52% |
| 2037 | 2,464,089 | 4,510,459 | 6,974,548 | 2,847,596 | 5,171,838 | 8,019,434 | 3,306,995 | 5,836,536 | 9,143,531 | -0.99% | 0.19% | -0.23% | -0.75% | -0.03% | -0.28% | -0.14% | 0.93% | 0.54% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 12,763 | 78,288 | 91,050 | 13,488 | 78,958 | 92,446 | 14,276 | 79,578 | 93,854 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 12,642 | 78,697 | 91,339 | 13,552 | 79,187 | 92,739 | 14,439 | 79,712 | 94,151 | -0.95% | 0.52% | 0.32% | 0.48% | 0.29% | 0.32% | 1.15% | 0.17% | 0.32% |
| 2020 | 12,615 | 78,715 | 91,331 | 13,546 | 79,185 | 92,730 | 14,604 | 79,539 | 94,142 | -0.21% | 0.02% | -0.01% | -0.05% | 0.00% | -0.01% | 1.14% | -0.22% | -0.01% |
| 2021 | 12,506 | 79,088 | 91,594 | 13,661 | 79,337 | 92,998 | 14,777 | 79,637 | 94,414 | -0.87% | 0.47% | 0.29% | 0.85% | 0.19% | 0.29% | 1.19% | 0.12% | 0.29% |
| 2022 | 12,531 | 79,193 | 91,724 | 13,673 | 79,457 | 93,130 | 14,802 | 79,746 | 94,548 | 0.20% | 0.13% | 0.14% | 0.09% | 0.15% | 0.14% | 0.17% | 0.14% | 0.14% |
| 2023 | 12,434 | 79,792 | 92,226 | 13,737 | 79,903 | 93,639 | 14,966 | 80,099 | 95,065 | -0.77% | 0.76% | 0.55% | 0.47% | 0.56% | 0.55% | 1.11% | 0.44% | 0.55% |
| 2024 | 12,475 | 80,069 | 92,544 | 13,808 | 80,155 | 93,962 | 15,003 | 80,390 | 95,393 | 0.33% | 0.35% | 0.34% | 0.52% | 0.32% | 0.34% | 0.24% | 0.36% | 0.34% |
| 2025 | 12,370 | 80,377 | 92,746 | 13,805 | 80,363 | 94,168 | 15,140 | 80,462 | 95,602 | -0.84% | 0.38% | 0.22% | -0.02% | 0.26% | 0.22% | 0.91% | 0.09% | 0.22% |
| 2026 | 12,417 | 80,476 | 92,892 | 13,788 | 80,528 | 94,316 | 15,164 | 80,588 | 95,752 | 0.38% | 0.12% | 0.16% | -0.12% | 0.21% | 0.16% | 0.16% | 0.16% | 0.16% |
| 2027 | 12,395 | 80,865 | 93,259 | 13,866 | 80,823 | 94,689 | 15,182 | 80,949 | 96,131 | -0.18% | 0.48% | 0.40% | 0.56% | 0.37% | 0.40% | 0.11% | 0.45% | 0.40% |
| 2028 | 12,386 | 81,092 | 93,478 | 13,853 | 81,058 | 94,911 | 15,332 | 81,024 | 96,356 | -0.07% | 0.28% | 0.23% | -0.09% | 0.29% | 0.23% | 0.99% | 0.09% | 0.23% |
| 2029 | 12,354 | 81,640 | 93,994 | 13,928 | 81,507 | 95,435 | 15,347 | 81,540 | 96,888 | -0.26% | 0.68% | 0.55% | 0.54% | 0.55% | 0.55% | 0.10% | 0.64% | 0.55% |
| 2030 | 12,414 | 81,859 | 94,273 | 13,925 | 81,793 | 95,717 | 15,444 | 81,731 | 97,175 | 0.48% | 0.27% | 0.30% | -0.03% | 0.35% | 0.30% | 0.63% | 0.23% | 0.30% |
| 2031 | 12,331 | 82,433 | 94,764 | 14,003 | 82,213 | 96,216 | 15,519 | 82,162 | 97,681 | -0.67% | 0.70% | 0.52% | 0.56% | 0.51% | 0.52% | 0.49% | 0.53% | 0.52% |
| 2032 | 12,380 | 82,780 | 95,160 | 14,001 | 82,618 | 96,618 | 15,615 | 82,475 | 98,090 | 0.40% | 0.42% | 0.42% | -0.02% | 0.49% | 0.42% | 0.62% | 0.38% | 0.42% |
| 2033 | 12,364 | 83,401 | 95,765 | 14,076 | 83,157 | 97,233 | 15,651 | 83,062 | 98,713 | -0.13% | 0.75% | 0.64% | 0.53% | 0.65% | 0.64% | 0.23% | 0.71% | 0.64% |
| 2034 | 12,380 | 83,669 | 96,049 | 14,083 | 83,438 | 97,521 | 15,806 | 83,200 | 99,006 | 0.13% | 0.32% | 0.30% | 0.05% | 0.34% | 0.30% | 0.99% | 0.17% | 0.30% |
| 2035 | 12,350 | 84,038 | 96,387 | 14,084 | 83,781 | 97,865 | 15,819 | 83,536 | 99,355 | -0.25% | 0.44% | 0.35% | 0.01% | 0.41% | 0.35% | 0.08% | 0.40% | 0.35% |
| 2036 | 12,334 | 84,804 | 97,137 | 14,173 | 84,453 | 98,626 | 15,844 | 84,284 | 100,128 | -0.13% | 0.91% | 0.78% | 0.63% | 0.80% | 0.78% | 0.16% | 0.90% | 0.78% |
| 2037 | 12,357 | 85,174 | 97,531 | 14,169 | 84,857 | 99,026 | 15,991 | 84,543 | 100,534 | 0.19% | 0.44% | 0.41% | -0.03% | 0.48% | 0.41% | 0.93% | 0.31% | 0.41% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 1,216,014 | 6,001,593 | 7,217,608 | 1,279,952 | 6,376,308 | 7,656,260 | 1,343,871 | 6,783,908 | 8,127,779 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1,189,487 | 5,959,768 | 7,149,255 | 1,271,658 | 6,436,231 | 7,707,888 | 1,353,499 | 6,844,232 | 8,197,731 | -2.18% | -0.70% | -0.95% | -0.65% | 0.94% | 0.67% | 0.72% | 0.89% | 0.86% |
| 2020 | 1,170,567 | 5,998,592 | 7,169,159 | 1,267,824 | 6,461,083 | 7,728,907 | 1,364,525 | 6,952,831 | 8,317,356 | -1.59% | 0.65% | 0.28% | -0.30% | 0.39% | 0.27% | 0.81% | 1.59% | 1.46% |
| 2021 | 1,144,888 | 5,969,088 | 7,113,976 | 1,254,289 | 6,482,124 | 7,736,413 | 1,363,126 | 7,024,989 | 8,388,115 | -2.19% | -0.49% | -0.77% | -1.07% | 0.33% | 0.10% | -0.10% | 1.04% | 0.85% |
| 2022 | 1,124,466 | 5,982,930 | 7,107,396 | 1,245,136 | 6,488,675 | 7,733,811 | 1,365,576 | 7,057,147 | 8,422,723 | -1.78% | 0.23% | -0.09% | -0.73% | 0.10% | -0.03% | 0.18% | 0.46% | 0.41% |
| 2023 | 1,105,444 | 5,958,451 | 7,063,895 | 1,236,602 | 6,533,459 | 7,770,062 | 1,367,336 | 7,134,587 | 8,501,922 | -1.69% | -0.41% | -0.61% | -0.69% | 0.69% | 0.47% | 0.13% | 1.10% | 0.94% |
| 2024 | 1,091,841 | 6,001,156 | 7,092,997 | 1,233,131 | 6,603,001 | 7,836,132 | 1,374,087 | 7,207,632 | 8,581,719 | -1.23% | 0.72% | 0.41% | -0.28% | 1.06% | 0.85% | 0.49% | 1.02% | 0.94% |
| 2025 | 1,069,798 | 5,961,194 | 7,030,993 | 1,219,639 | 6,594,638 | 7,814,277 | 1,368,999 | 7,254,525 | 8,623,524 | -2.02% | -0.67% | -0.87% | -1.09% | -0.13% | -0.28% | -0.37% | 0.65% | 0.49% |
| 2026 | 1,052,851 | 5,980,645 | 7,033,496 | 1,211,009 | 6,599,453 | 7,810,462 | 1,368,600 | 7,289,057 | 8,657,657 | -1.58% | 0.33% | 0.04% | -0.71% | 0.07% | -0.05% | -0.03% | 0.48% | 0.40% |
| 2027 | 1,035,942 | 5,978,210 | 7,014,152 | 1,202,064 | 6,641,767 | 7,843,831 | 1,368,031 | 7,307,779 | 8,675,809 | -1.61% | -0.04% | -0.28% | -0.74% | 0.64% | 0.43% | -0.04% | 0.26% | 0.21% |
| 2028 | 1,023,213 | 6,005,906 | 7,029,119 | 1,197,628 | 6,664,813 | 7,862,441 | 1,371,709 | 7,410,044 | 8,781,752 | -1.23% | 0.46% | 0.21% | -0.37% | 0.35% | 0.24% | 0.27% | 1.40% | 1.22% |
| 2029 | 1,003,685 | 5,986,607 | 6,990,292 | 1,184,825 | 6,698,998 | 7,883,823 | 1,365,599 | 7,406,860 | 8,772,459 | -1.91% | -0.32% | -0.55% | -1.07% | 0.51% | 0.27% | -0.45% | -0.04% | -0.11% |
| 2030 | 987,995 | 6,018,403 | 7,006,398 | 1,176,172 | 6,704,957 | 7,881,129 | 1,364,060 | 7,472,055 | 8,836,115 | -1.56% | 0.53% | 0.23% | -0.73% | 0.09% | -0.03% | -0.11% | 0.88% | 0.73% |
| 2031 | 972,663 | 6,000,648 | 6,973,310 | 1,167,556 | 6,750,146 | 7,917,702 | 1,362,225 | 7,510,904 | 8,873,128 | -1.55% | -0.30% | -0.47% | -0.73% | 0.67% | 0.46% | -0.13% | 0.52% | 0.42% |
| 2032 | 960,879 | 6,056,627 | 7,017,506 | 1,163,304 | 6,786,151 | 7,949,455 | 1,365,097 | 7,592,846 | 8,957,943 | -1.21% | 0.93% | 0.63% | -0.36% | 0.53% | 0.40% | 0.21% | 1.09% | 0.96% |
| 2033 | 941,997 | 6,027,011 | 6,969,008 | 1,149,716 | 6,814,202 | 7,963,918 | 1,357,336 | 7,599,262 | 8,956,598 | -1.97% | -0.49% | -0.69% | -1.17% | 0.41% | 0.18% | -0.57% | 0.08% | -0.02% |
| 2034 | 927,206 | 6,060,841 | 6,988,046 | 1,140,949 | 6,824,832 | 7,965,782 | 1,354,784 | 7,675,846 | 9,030,630 | -1.57% | 0.56% | 0.27% | -0.76% | 0.16% | 0.02% | -0.19% | 1.01% | 0.83% |
| 2035 | 912,705 | 6,066,073 | 6,978,778 | 1,132,548 | 6,835,674 | 7,968,222 | 1,352,341 | 7,695,068 | 9,047,409 | -1.56% | 0.09% | -0.13% | -0.74% | 0.16% | 0.03% | -0.18% | 0.25% | 0.19% |
| 2036 | 901,841 | 6,088,776 | 6,990,617 | 1,128,687 | 6,913,662 | 8,042,349 | 1,354,967 | 7,739,406 | 9,094,373 | -1.19% | 0.37% | 0.17% | -0.34% | 1.14% | 0.93% | 0.19% | 0.58% | 0.52% |
| 2037 | 883,708 | 6,090,840 | 6,974,548 | 1,115,411 | 6,904,022 | 8,019,434 | 1,346,494 | 7,797,037 | 9,143,531 | -2.01% | 0.03% | -0.23% | -1.18% | -0.14% | -0.28% | -0.63% | 0.74% | 0.54% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 2,331 | 1,044 | 3,375 | 2,464 | 1,087 | 3,551 | 2,596 | 1,130 | 3,726 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 2,276 | 1,039 | 3,314 | 2,446 | 1,089 | 3,535 | 2,615 | 1,137 | 3,752 | -2.37% | -0.51% | -1.80% | -0.73% | 0.15% | -0.46% | 0.71% | 0.64% | 0.69% |
| 2020 | 2,227 | 1,036 | 3,263 | 2,427 | 1,089 | 3,516 | 2,626 | 1,144 | 3,769 | -2.16% | -0.22% | -1.55% | -0.77% | 0.05% | -0.52% | 0.43% | 0.56% | 0.47% |
| 2021 | 2,183 | 1,033 | 3,216 | 2,409 | 1,091 | 3,499 | 2,633 | 1,151 | 3,784 | -1.98% | -0.29% | -1.44% | -0.75% | 0.11% | -0.49% | 0.28% | 0.61% | 0.38% |
| 2022 | 2,141 | 1,031 | 3,172 | 2,390 | 1,092 | 3,482 | 2,638 | 1,155 | 3,793 | -1.92% | -0.21% | -1.37% | -0.79% | 0.14% | -0.50% | 0.18% | 0.38% | 0.24% |
| 2023 | 2,101 | 1,029 | 3,129 | 2,371 | 1,094 | 3,465 | 2,641 | 1,160 | 3,801 | -1.87% | -0.23% | -1.34% | -0.78% | 0.15% | -0.49% | 0.11% | 0.43% | 0.21% |
| 2024 | 2,062 | 1,027 | 3,090 | 2,352 | 1,096 | 3,448 | 2,642 | 1,165 | 3,807 | -1.82% | -0.15% | -1.27% | -0.79% | 0.18% | -0.48% | 0.05% | 0.45% | 0.17% |
| 2025 | 2,025 | 1,025 | 3,050 | 2,334 | 1,098 | 3,432 | 2,642 | 1,169 | 3,811 | -1.80% | -0.24% | -1.28% | -0.78% | 0.17% | -0.48% | -0.01% | 0.39% | 0.11% |
| 2026 | 1,990 | 1,023 | 3,013 | 2,316 | 1,098 | 3,414 | 2,641 | 1,174 | 3,814 | -1.76% | -0.14% | -1.21% | -0.79% | 0.05% | -0.52% | -0.05% | 0.36% | 0.08% |
| 2027 | 1,954 | 1,023 | 2,977 | 2,296 | 1,100 | 3,396 | 2,638 | 1,177 | 3,815 | -1.78% | -0.07% | -1.20% | -0.82% | 0.12% | -0.52% | -0.08% | 0.26% | 0.02% |
| 2028 | 1,920 | 1,021 | 2,941 | 2,278 | 1,100 | 3,378 | 2,636 | 1,182 | 3,818 | -1.76% | -0.12% | -1.20% | -0.80% | 0.08% | -0.52% | -0.10% | 0.48% | 0.08% |
| 2029 | 1,886 | 1,020 | 2,906 | 2,260 | 1,103 | 3,363 | 2,632 | 1,185 | 3,817 | -1.75% | -0.14% | -1.19% | -0.81% | 0.25% | -0.47% | -0.14% | 0.23% | -0.03% |
| 2030 | 1,853 | 1,021 | 2,874 | 2,241 | 1,104 | 3,345 | 2,628 | 1,189 | 3,817 | -1.76% | 0.06% | -1.12% | -0.83% | 0.06% | -0.54% | -0.16% | 0.36% | 0.00% |
| 2031 | 1,821 | 1,019 | 2,840 | 2,222 | 1,105 | 3,328 | 2,623 | 1,194 | 3,817 | -1.74% | -0.17% | -1.18% | -0.82% | 0.14% | -0.51% | -0.17% | 0.39% | 0.00% |
| 2032 | 1,788 | 1,019 | 2,807 | 2,203 | 1,107 | 3,311 | 2,618 | 1,198 | 3,816 | -1.81% | -0.01% | -1.17% | -0.85% | 0.19% | -0.51% | -0.22% | 0.32% | -0.05% |
| 2033 | 1,757 | 1,018 | 2,774 | 2,185 | 1,110 | 3,295 | 2,613 | 1,202 | 3,815 | -1.74% | -0.09% | -1.14% | -0.84% | 0.24% | -0.48% | -0.19% | 0.34% | -0.03% |
| 2034 | 1,725 | 1,019 | 2,745 | 2,166 | 1,111 | 3,277 | 2,607 | 1,207 | 3,814 | -1.78% | 0.14% | -1.08% | -0.86% | 0.11% | -0.53% | -0.23% | 0.45% | -0.02% |
| 2035 | 1,694 | 1,019 | 2,713 | 2,147 | 1,112 | 3,260 | 2,600 | 1,210 | 3,810 | -1.80% | -0.03% | -1.14% | -0.86% | 0.10% | -0.53% | -0.25% | 0.22% | -0.10% |
| 2036 | 1,664 | 1,019 | 2,682 | 2,129 | 1,116 | 3,245 | 2,594 | 1,213 | 3,807 | -1.81% | -0.03% | -1.14% | -0.85% | 0.31% | -0.45% | -0.24% | 0.26% | -0.08% |
| 2037 | 1,633 | 1,019 | 2,652 | 2,110 | 1,117 | 3,228 | 2,587 | 1,218 | 3,804 | -1.84% | 0.07% | -1.11% | -0.88% | 0.13% | -0.53% | -0.28% | 0.38% | -0.07% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 2.10% |
| Medium: | -9.10% |
| Low: | -21.41% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

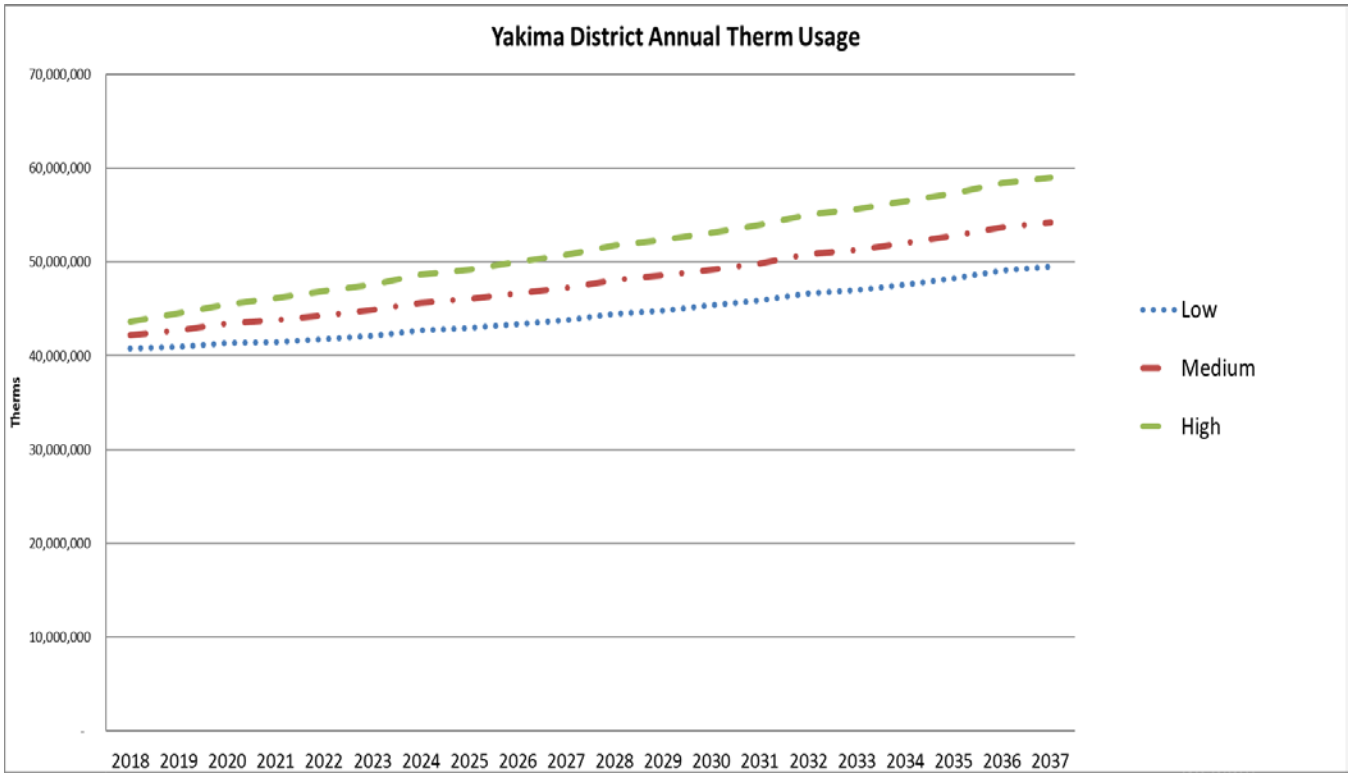
## Yakima District

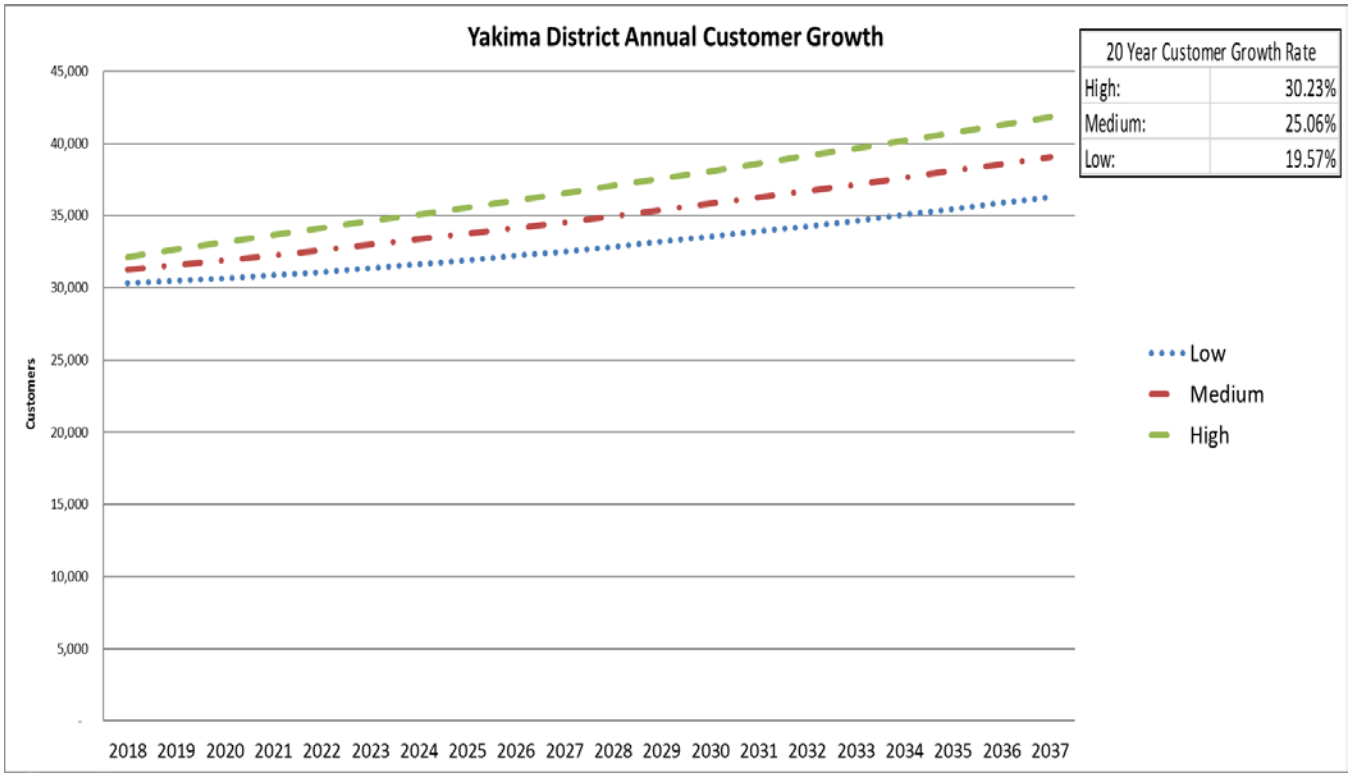
| | Annual Requirements (Therms) | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 28,372,606 | 12,456,805 | 40,829,410 | 29,253,340 | 12,954,670 | 42,208,010 | 30,121,792 | 13,497,244 | 43,619,036 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 28,493,465 | 12,495,116 | 40,988,581 | 29,617,567 | 13,143,358 | 42,760,925 | 30,706,062 | 13,824,155 | 44,530,217 | 0.43% | 0.31% | 0.39% | 1.25% | 1.46% | 1.31% | 1.94% | 2.42% | 2.09% |
| 2020 | 28,819,261 | 12,553,889 | 41,373,150 | 30,136,823 | 13,319,271 | 43,456,094 | 31,416,575 | 14,117,856 | 45,534,432 | 1.14% | 0.47% | 0.94% | 1.75% | 1.34% | 1.63% | 2.31% | 2.12% | 2.26% |
| 2021 | 28,832,200 | 12,656,962 | 41,489,161 | 30,302,152 | 13,480,414 | 43,782,566 | 31,750,188 | 14,389,178 | 46,139,366 | 0.04% | 0.82% | 0.28% | 0.55% | 1.21% | 0.75% | 1.06% | 1.92% | 1.33% |
| 2022 | 29,056,450 | 12,757,831 | 41,814,280 | 30,650,660 | 13,663,720 | 44,314,380 | 32,252,642 | 14,633,651 | 46,886,293 | 0.78% | 0.80% | 0.78% | 1.15% | 1.36% | 1.21% | 1.58% | 1.70% | 1.62% |
| 2023 | 29,296,134 | 12,866,750 | 42,162,885 | 31,017,321 | 13,877,065 | 44,894,386 | 32,756,496 | 14,863,442 | 47,619,938 | 0.82% | 0.85% | 0.83% | 1.20% | 1.56% | 1.31% | 1.56% | 1.57% | 1.56% |
| 2024 | 29,736,366 | 13,003,306 | 42,739,672 | 31,612,055 | 14,026,657 | 45,638,712 | 33,467,771 | 15,182,615 | 48,650,386 | 1.50% | 1.06% | 1.37% | 1.92% | 1.08% | 1.66% | 2.17% | 2.15% | 2.16% |
| 2025 | 29,859,136 | 13,100,584 | 42,959,720 | 31,833,707 | 14,221,104 | 46,054,811 | 33,818,900 | 15,400,905 | 49,219,804 | 0.41% | 0.75% | 0.51% | 0.70% | 1.39% | 0.91% | 1.05% | 1.44% | 1.17% |
| 2026 | 30,131,287 | 13,230,870 | 43,362,157 | 32,221,419 | 14,424,681 | 46,646,099 | 34,364,224 | 15,654,202 | 50,018,426 | 0.91% | 0.99% | 0.94% | 1.22% | 1.43% | 1.28% | 1.61% | 1.64% | 1.62% |
| 2027 | 30,449,906 | 13,360,182 | 43,810,088 | 32,629,405 | 14,652,645 | 47,282,049 | 34,855,570 | 15,934,341 | 50,789,911 | 1.06% | 0.98% | 1.03% | 1.27% | 1.58% | 1.36% | 1.43% | 1.79% | 1.54% |
| 2028 | 30,959,029 | 13,517,840 | 44,476,869 | 33,248,739 | 14,840,517 | 48,089,256 | 35,576,580 | 16,174,885 | 51,751,465 | 1.67% | 1.18% | 1.52% | 1.90% | 1.28% | 1.71% | 2.07% | 1.51% | 1.89% |
| 2029 | 31,145,948 | 13,679,303 | 44,825,251 | 33,506,001 | 15,052,404 | 48,558,405 | 35,898,228 | 16,482,428 | 52,380,656 | 0.60% | 1.19% | 0.78% | 0.77% | 1.43% | 0.98% | 0.90% | 1.90% | 1.22% |
| 2030 | 31,498,132 | 13,871,625 | 45,369,756 | 33,952,442 | 15,248,340 | 49,200,782 | 36,444,144 | 16,720,617 | 53,164,761 | 1.13% | 1.41% | 1.21% | 1.33% | 1.30% | 1.32% | 1.52% | 1.45% | 1.50% |
| 2031 | 31,852,457 | 14,050,982 | 45,903,439 | 34,400,371 | 15,491,276 | 49,891,646 | 36,989,392 | 16,987,157 | 53,976,548 | 1.12% | 1.29% | 1.18% | 1.32% | 1.59% | 1.40% | 1.50% | 1.59% | 1.53% |
| 2032 | 32,430,885 | 14,226,674 | 46,657,559 | 35,084,909 | 15,749,773 | 50,834,682 | 37,738,554 | 17,305,778 | 55,044,332 | 1.82% | 1.25% | 1.64% | 1.99% | 1.67% | 1.89% | 2.03% | 1.88% | 1.98% |
| 2033 | 32,631,308 | 14,385,988 | 47,017,296 | 35,360,804 | 15,954,522 | 51,315,326 | 38,067,820 | 17,556,559 | 55,624,379 | 0.62% | 1.12% | 0.77% | 0.79% | 1.30% | 0.95% | 0.87% | 1.45% | 1.05% |
| 2034 | 33,046,233 | 14,568,616 | 47,614,849 | 35,857,992 | 16,161,446 | 52,019,438 | 38,642,588 | 17,806,807 | 56,449,396 | 1.27% | 1.27% | 1.27% | 1.41% | 1.30% | 1.37% | 1.51% | 1.43% | 1.48% |
| 2035 | 33,500,124 | 14,759,135 | 48,259,259 | 36,344,264 | 16,439,223 | 52,783,487 | 39,223,759 | 18,105,803 | 57,329,562 | 1.37% | 1.31% | 1.35% | 1.36% | 1.72% | 1.47% | 1.50% | 1.68% | 1.56% |
| 2036 | 34,105,411 | 14,973,208 | 49,078,619 | 37,095,513 | 16,653,812 | 53,749,325 | 40,031,384 | 18,390,222 | 58,421,606 | 1.81% | 1.45% | 1.70% | 2.07% | 1.31% | 1.83% | 2.06% | 1.57% | 1.90% |
| 2037 | 34,340,032 | 15,149,222 | 49,489,254 | 37,367,217 | 16,895,194 | 54,262,411 | 40,396,338 | 18,648,951 | 59,045,288 | 0.69% | 1.18% | 0.84% | 0.73% | 1.45% | 0.95% | 0.91% | 1.41% | 1.07% |

| | Peak Day - Baseload | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 34,128 | 369,091 | 403,219 | 35,492 | 373,906 | 409,399 | 36,979 | 378,654 | 415,632 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 34,233 | 373,715 | 407,948 | 36,009 | 378,191 | 414,200 | 37,874 | 382,633 | 420,507 | 0.31% | 1.25% | 1.17% | 1.46% | 1.15% | 1.17% | 2.42% | 1.05% | 1.17% |
| 2020 | 34,394 | 378,399 | 412,793 | 36,491 | 382,629 | 419,120 | 38,679 | 386,823 | 425,502 | 0.47% | 1.25% | 1.19% | 1.34% | 1.17% | 1.19% | 2.12% | 1.10% | 1.19% |
| 2021 | 34,677 | 383,058 | 417,735 | 36,933 | 387,205 | 424,137 | 39,422 | 391,173 | 430,595 | 0.82% | 1.23% | 1.20% | 1.21% | 1.20% | 1.20% | 1.92% | 1.12% | 1.20% |
| 2022 | 34,953 | 387,793 | 422,746 | 37,435 | 391,790 | 429,225 | 40,092 | 395,669 | 435,761 | 0.80% | 1.24% | 1.20% | 1.36% | 1.18% | 1.20% | 1.70% | 1.15% | 1.20% |
| 2023 | 35,251 | 392,853 | 428,105 | 38,019 | 396,647 | 434,666 | 40,722 | 400,563 | 441,285 | 0.85% | 1.30% | 1.27% | 1.56% | 1.24% | 1.27% | 1.57% | 1.24% | 1.27% |
| 2024 | 35,625 | 397,884 | 433,510 | 38,429 | 401,725 | 440,154 | 41,596 | 405,260 | 446,856 | 1.06% | 1.28% | 1.26% | 1.08% | 1.28% | 1.26% | 2.15% | 1.17% | 1.26% |
| 2025 | 35,892 | 403,281 | 439,173 | 38,962 | 406,942 | 445,904 | 42,194 | 410,500 | 452,694 | 0.75% | 1.36% | 1.31% | 1.39% | 1.30% | 1.31% | 1.44% | 1.29% | 1.31% |
| 2026 | 36,249 | 408,689 | 444,938 | 39,520 | 412,238 | 451,757 | 42,888 | 415,748 | 458,636 | 0.99% | 1.34% | 1.31% | 1.43% | 1.30% | 1.31% | 1.64% | 1.28% | 1.31% |
| 2027 | 36,603 | 414,137 | 450,741 | 40,144 | 417,505 | 457,649 | 43,656 | 420,962 | 464,617 | 0.98% | 1.33% | 1.30% | 1.58% | 1.28% | 1.30% | 1.79% | 1.25% | 1.30% |
| 2028 | 37,035 | 419,684 | 456,720 | 40,659 | 423,060 | 463,719 | 44,315 | 426,466 | 470,780 | 1.18% | 1.34% | 1.33% | 1.28% | 1.33% | 1.33% | 1.51% | 1.31% | 1.33% |
| 2029 | 37,478 | 425,179 | 462,657 | 41,239 | 428,508 | 469,748 | 45,157 | 431,743 | 476,900 | 1.19% | 1.31% | 1.30% | 1.43% | 1.29% | 1.30% | 1.90% | 1.24% | 1.30% |
| 2030 | 38,004 | 430,959 | 468,964 | 41,776 | 434,375 | 476,151 | 45,810 | 437,591 | 483,401 | 1.41% | 1.36% | 1.36% | 1.30% | 1.37% | 1.36% | 1.45% | 1.35% | 1.36% |
| 2031 | 38,496 | 436,583 | 475,079 | 42,442 | 439,918 | 482,360 | 46,540 | 443,164 | 489,705 | 1.29% | 1.30% | 1.30% | 1.59% | 1.28% | 1.30% | 1.59% | 1.27% | 1.30% |
| 2032 | 38,977 | 443,353 | 482,330 | 43,150 | 446,572 | 489,722 | 47,413 | 449,766 | 497,179 | 1.25% | 1.55% | 1.53% | 1.67% | 1.51% | 1.53% | 1.88% | 1.49% | 1.53% |
| 2033 | 39,414 | 449,036 | 488,450 | 43,711 | 452,225 | 495,936 | 48,100 | 455,388 | 503,488 | 1.12% | 1.28% | 1.27% | 1.30% | 1.27% | 1.27% | 1.45% | 1.25% | 1.27% |
| 2034 | 39,914 | 455,314 | 495,228 | 44,278 | 458,540 | 502,818 | 48,786 | 461,689 | 510,475 | 1.27% | 1.40% | 1.39% | 1.30% | 1.40% | 1.39% | 1.43% | 1.38% | 1.39% |
| 2035 | 40,436 | 461,606 | 502,042 | 45,039 | 464,698 | 509,737 | 49,605 | 467,893 | 517,498 | 1.31% | 1.38% | 1.38% | 1.72% | 1.34% | 1.38% | 1.68% | 1.34% | 1.38% |
| 2036 | 41,022 | 467,998 | 509,021 | 45,627 | 471,195 | 516,822 | 50,384 | 474,307 | 524,692 | 1.45% | 1.38% | 1.39% | 1.31% | 1.40% | 1.39% | 1.57% | 1.37% | 1.39% |
| 2037 | 41,505 | 474,134 | 515,639 | 46,288 | 477,253 | 523,542 | 51,093 | 480,420 | 531,514 | 1.18% | 1.31% | 1.30% | 1.45% | 1.29% | 1.30% | 1.41% | 1.29% | 1.30% |

| | Therms Usage by Class | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 16,162,162 | 24,667,248 | 40,829,410 | 16,630,594 | 25,577,416 | 42,208,010 | 17,099,025 | 26,520,011 | 43,619,036 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 16,244,532 | 24,744,048 | 40,988,581 | 16,815,251 | 25,945,674 | 42,760,925 | 17,386,502 | 27,143,715 | 44,530,217 | 0.51% | 0.31% | 0.39% | 1.11% | 1.44% | 1.31% | 1.68% | 2.35% | 2.09% |
| 2020 | 16,412,070 | 24,961,080 | 41,373,150 | 17,067,634 | 26,388,459 | 43,456,094 | 17,723,273 | 27,811,159 | 45,534,432 | 1.03% | 0.88% | 0.94% | 1.50% | 1.71% | 1.63% | 1.94% | 2.46% | 2.26% |
| 2021 | 16,445,548 | 25,043,614 | 41,489,161 | 17,169,636 | 26,612,930 | 43,782,566 | 17,893,282 | 28,246,084 | 46,139,366 | 0.20% | 0.33% | 0.28% | 0.60% | 0.85% | 0.75% | 0.96% | 1.56% | 1.33% |
| 2022 | 16,557,333 | 25,256,948 | 41,814,280 | 17,345,938 | 26,968,443 | 44,314,380 | 18,133,497 | 28,752,797 | 46,886,293 | 0.68% | 0.85% | 0.78% | 1.03% | 1.34% | 1.21% | 1.34% | 1.79% | 1.62% |
| 2023 | 16,681,765 | 25,481,120 | 42,162,885 | 17,529,107 | 27,365,279 | 44,894,386 | 18,375,868 | 29,244,070 | 47,619,938 | 0.75% | 0.89% | 0.83% | 1.06% | 1.47% | 1.31% | 1.34% | 1.71% | 1.56% |
| 2024 | 16,891,536 | 25,848,136 | 42,739,672 | 17,798,271 | 27,840,441 | 45,638,712 | 18,704,842 | 29,945,544 | 48,650,386 | 1.26% | 1.44% | 1.37% | 1.54% | 1.74% | 1.66% | 1.79% | 2.40% | 2.16% |
| 2025 | 16,958,437 | 26,001,283 | 42,959,720 | 17,913,360 | 28,141,451 | 46,054,811 | 18,868,853 | 30,350,951 | 49,219,804 | 0.40% | 0.59% | 0.51% | 0.65% | 1.08% | 0.91% | 0.88% | 1.35% | 1.17% |
| 2026 | 17,107,624 | 26,254,533 | 43,362,157 | 18,111,349 | 28,534,751 | 46,646,099 | 19,115,455 | 30,902,971 | 50,018,426 | 0.88% | 0.97% | 0.94% | 1.11% | 1.40% | 1.28% | 1.31% | 1.82% | 1.62% |
| 2027 | 17,263,225 | 26,546,863 | 43,810,088 | 18,313,680 | 28,968,369 | 47,282,049 | 19,365,020 | 31,424,891 | 50,789,911 | 0.91% | 1.11% | 1.03% | 1.12% | 1.52% | 1.36% | 1.31% | 1.69% | 1.54% |
| 2028 | 17,495,102 | 26,981,767 | 44,476,869 | 18,595,824 | 29,493,432 | 48,089,256 | 19,696,231 | 32,055,233 | 51,751,465 | 1.34% | 1.64% | 1.52% | 1.54% | 1.81% | 1.71% | 1.71% | 2.01% | 1.89% |
| 2029 | 17,592,092 | 27,233,159 | 44,825,251 | 18,732,283 | 29,826,122 | 48,558,405 | 19,870,900 | 32,509,756 | 52,380,656 | 0.55% | 0.93% | 0.78% | 0.73% | 1.13% | 0.98% | 0.89% | 1.42% | 1.22% |
| 2030 | 17,766,034 | 27,603,722 | 45,369,756 | 18,947,325 | 30,253,457 | 49,200,782 | 20,129,001 | 33,035,759 | 53,164,761 | 0.99% | 1.36% | 1.21% | 1.15% | 1.43% | 1.32% | 1.30% | 1.62% | 1.50% |
| 2031 | 17,945,449 | 27,957,990 | 45,903,439 | 19,166,705 | 30,724,941 | 49,891,646 | 20,388,821 | 33,587,727 | 53,976,548 | 1.01% | 1.28% | 1.18% | 1.16% | 1.56% | 1.40% | 1.29% | 1.67% | 1.53% |
| 2032 | 18,209,338 | 28,448,221 | 46,657,559 | 19,475,362 | 31,359,320 | 50,834,682 | 20,741,764 | 34,302,568 | 55,044,332 | 1.47% | 1.75% | 1.64% | 1.61% | 2.06% | 1.89% | 1.73% | 2.13% | 1.98% |
| 2033 | 18,316,167 | 28,701,129 | 47,017,296 | 19,614,089 | 31,701,237 | 51,315,326 | 20,912,998 | 34,711,381 | 55,624,379 | 0.59% | 0.89% | 0.77% | 0.71% | 1.09% | 0.95% | 0.83% | 1.19% | 1.05% |
| 2034 | 18,510,746 | 29,104,103 | 47,614,849 | 19,845,446 | 32,173,992 | 52,019,438 | 21,180,844 | 35,268,552 | 56,449,396 | 1.06% | 1.40% | 1.27% | 1.18% | 1.49% | 1.37% | 1.28% | 1.61% | 1.48% |
| 2035 | 18,712,735 | 29,546,524 | 48,259,259 | 20,084,259 | 32,699,228 | 52,783,487 | 21,455,341 | 35,874,221 | 57,329,562 | 1.09% | 1.52% | 1.35% | 1.20% | 1.63% | 1.47% | 1.30% | 1.72% | 1.56% |
| 2036 | 18,999,771 | 30,078,848 | 49,078,619 | 20,411,369 | 33,337,956 | 53,749,325 | 21,824,141 | 36,597,465 | 58,421,606 | 1.53% | 1.80% | 1.70% | 1.63% | 1.95% | 1.83% | 1.72% | 2.02% | 1.90% |
| 2037 | 19,123,661 | 30,365,593 | 49,489,254 | 20,564,257 | 33,698,153 | 54,262,411 | 22,003,802 | 37,041,486 | 59,045,288 | 0.65% | 0.95% | 0.84% | 0.75% | 1.08% | 0.95% | 0.82% | 1.21% | 1.07% |

| | Customer Count Forecast | | | | | | | | | Annual Change | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low | | | Medium | | | High | | | Low | | | Medium | | | High | | |
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 25,024 | 5,325 | 30,349 | 25,771 | 5,468 | 31,239 | 26,518 | 5,611 | 32,129 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 25,137 | 5,352 | 30,489 | 26,035 | 5,535 | 31,570 | 26,933 | 5,719 | 32,653 | 0.45% | 0.50% | 0.46% | 1.03% | 1.23% | 1.06% | 1.57% | 1.93% | 1.63% |
| 2020 | 25,284 | 5,388 | 30,672 | 26,307 | 5,606 | 31,912 | 27,331 | 5,823 | 33,153 | 0.58% | 0.68% | 0.60% | 1.04% | 1.27% | 1.08% | 1.48% | 1.81% | 1.53% |
| 2021 | 25,451 | 5,431 | 30,882 | 26,584 | 5,677 | 32,261 | 27,718 | 5,923 | 33,641 | 0.66% | 0.79% | 0.68% | 1.06% | 1.27% | 1.09% | 1.42% | 1.72% | 1.47% |
| 2022 | 25,634 | 5,480 | 31,114 | 26,869 | 5,751 | 32,620 | 28,103 | 6,023 | 34,126 | 0.72% | 0.91% | 0.75% | 1.07% | 1.31% | 1.11% | 1.39% | 1.70% | 1.44% |
| 2023 | 25,832 | 5,534 | 31,366 | 27,159 | 5,828 | 32,987 | 28,485 | 6,122 | 34,607 | 0.77% | 0.98% | 0.81% | 1.08% | 1.34% | 1.13% | 1.36% | 1.64% | 1.41% |
| 2024 | 26,042 | 5,592 | 31,633 | 27,455 | 5,907 | 33,362 | 28,868 | 6,225 | 35,093 | 0.81% | 1.04% | 0.85% | 1.09% | 1.35% | 1.14% | 1.34% | 1.68% | 1.40% |
| 2025 | 26,264 | 5,652 | 31,916 | 27,758 | 5,989 | 33,747 | 29,254 | 6,327 | 35,581 | 0.85% | 1.09% | 0.89% | 1.10% | 1.38% | 1.15% | 1.34% | 1.64% | 1.39% |
| 2026 | 26,497 | 5,717 | 32,214 | 28,069 | 6,074 | 34,143 | 29,640 | 6,431 | 36,072 | 0.89% | 1.14% | 0.93% | 1.12% | 1.42% | 1.17% | 1.32% | 1.64% | 1.38% |
| 2027 | 26,741 | 5,785 | 32,527 | 28,386 | 6,160 | 34,546 | 30,032 | 6,536 | 36,568 | 0.92% | 1.20% | 0.97% | 1.13% | 1.42% | 1.18% | 1.32% | 1.63% | 1.38% |
| 2028 | 26,995 | 5,858 | 32,852 | 28,710 | 6,250 | 34,960 | 30,426 | 6,642 | 37,068 | 0.95% | 1.25% | 1.00% | 1.14% | 1.46% | 1.20% | 1.31% | 1.62% | 1.37% |
| 2029 | 27,258 | 5,933 | 33,191 | 29,042 | 6,341 | 35,383 | 30,825 | 6,751 | 37,575 | 0.98% | 1.28% | 1.03% | 1.16% | 1.46% | 1.21% | 1.31% | 1.64% | 1.37% |
| 2030 | 27,531 | 6,011 | 33,542 | 29,379 | 6,434 | 35,813 | 31,229 | 6,860 | 38,089 | 1.00% | 1.32% | 1.06% | 1.16% | 1.47% | 1.22% | 1.31% | 1.62% | 1.37% |
| 2031 | 27,812 | 6,092 | 33,904 | 29,723 | 6,530 | 36,253 | 31,636 | 6,971 | 38,607 | 1.02% | 1.35% | 1.08% | 1.17% | 1.49% | 1.23% | 1.30% | 1.62% | 1.36% |
| 2032 | 28,101 | 6,175 | 34,276 | 30,074 | 6,630 | 36,704 | 32,049 | 7,086 | 39,134 | 1.04% | 1.36% | 1.10% | 1.18% | 1.54% | 1.24% | 1.30% | 1.64% | 1.37% |
| 2033 | 28,398 | 6,261 | 34,659 | 30,430 | 6,731 | 37,160 | 32,464 | 7,200 | 39,664 | 1.06% | 1.39% | 1.12% | 1.18% | 1.51% | 1.24% | 1.29% | 1.62% | 1.35% |
| 2034 | 28,702 | 6,350 | 35,053 | 30,792 | 6,833 | 37,624 | 32,883 | 7,316 | 40,199 | 1.07% | 1.42% | 1.14% | 1.19% | 1.51% | 1.25% | 1.29% | 1.61% | 1.35% |
| 2035 | 29,015 | 6,441 | 35,456 | 31,161 | 6,937 | 38,098 | 33,307 | 7,434 | 40,742 | 1.09% | 1.43% | 1.15% | 1.20% | 1.54% | 1.26% | 1.29% | 1.62% | 1.35% |
| 2036 | 29,334 | 6,535 | 35,869 | 31,534 | 7,045 | 38,578 | 33,736 | 7,555 | 41,290 | 1.10% | 1.46% | 1.16% | 1.20% | 1.54% | 1.26% | 1.29% | 1.62% | 1.35% |
| 2037 | 29,659 | 6,630 | 36,289 | 31,914 | 7,153 | 39,067 | 34,167 | 7,675 | 41,842 | 1.11% | 1.45% | 1.17% | 1.21% | 1.54% | 1.27% | 1.28% | 1.60% | 1.34% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 30.23% |
| Medium: | 25.06% |
| Low: | 19.57% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Oregon

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 51,382,261 | 24,546,894 | 75,929,155 | 54,007,114 | 25,817,607 | 79,824,720 | 56,631,419 | 27,142,636 | 83,774,055 |
| 2019 | 52,012,825 | 24,937,344 | 76,950,170 | 54,992,956 | 26,442,127 | 81,435,082 | 57,961,952 | 27,958,752 | 85,920,704 |
| 2020 | 53,138,502 | 25,326,659 | 78,465,161 | 56,415,505 | 27,022,987 | 83,438,492 | 59,699,005 | 28,664,731 | 88,363,736 |
| 2021 | 53,552,021 | 25,811,590 | 79,363,610 | 57,100,312 | 27,622,002 | 84,722,314 | 60,589,731 | 29,408,837 | 89,998,567 |
| 2022 | 54,387,297 | 26,200,475 | 80,587,772 | 58,144,313 | 28,142,144 | 86,286,458 | 61,868,741 | 30,063,279 | 91,932,020 |
| 2023 | 55,223,846 | 26,707,660 | 81,931,505 | 59,212,643 | 28,749,118 | 87,961,761 | 63,121,224 | 30,797,557 | 93,918,781 |
| 2024 | 56,559,263 | 27,182,949 | 83,742,212 | 60,729,772 | 29,332,190 | 90,061,962 | 64,928,363 | 31,476,792 | 96,405,155 |
| 2025 | 57,110,048 | 27,676,555 | 84,786,603 | 61,421,831 | 29,889,208 | 91,311,039 | 65,758,791 | 32,147,501 | 97,906,293 |
| 2026 | 58,122,369 | 28,176,106 | 86,298,475 | 62,608,872 | 30,484,016 | 93,092,889 | 67,106,067 | 32,834,179 | 99,940,246 |
| 2027 | 59,072,421 | 28,726,115 | 87,798,535 | 63,691,708 | 31,144,226 | 94,835,934 | 68,357,217 | 33,586,280 | 101,943,497 |
| 2028 | 60,489,401 | 29,242,879 | 89,732,280 | 65,311,347 | 31,727,300 | 97,038,648 | 70,126,977 | 34,263,150 | 104,390,126 |
| 2029 | 61,080,345 | 29,766,759 | 90,847,104 | 66,003,661 | 32,363,225 | 98,366,886 | 70,977,612 | 34,940,565 | 105,918,177 |
| 2030 | 62,166,634 | 30,359,903 | 92,526,536 | 67,251,260 | 33,048,566 | 100,299,826 | 72,314,708 | 35,699,980 | 108,014,688 |
| 2031 | 63,155,466 | 30,972,026 | 94,127,493 | 68,423,878 | 33,697,520 | 102,121,398 | 73,625,412 | 36,422,132 | 110,047,544 |
| 2032 | 64,666,925 | 31,436,202 | 96,103,127 | 70,066,250 | 34,251,354 | 104,317,604 | 75,450,492 | 37,059,066 | 112,509,558 |
| 2033 | 65,294,088 | 32,033,163 | 97,327,251 | 70,811,348 | 34,899,282 | 105,710,630 | 76,298,595 | 37,778,712 | 114,077,307 |
| 2034 | 66,352,687 | 32,555,908 | 98,908,596 | 71,982,193 | 35,513,219 | 107,495,412 | 77,624,847 | 38,464,126 | 116,088,973 |
| 2035 | 67,507,932 | 33,146,565 | 100,654,496 | 73,219,679 | 36,139,817 | 109,359,496 | 78,990,878 | 39,158,727 | 118,149,605 |
| 2036 | 69,063,115 | 33,735,688 | 102,798,803 | 74,947,537 | 36,788,178 | 111,735,715 | 80,842,315 | 39,894,370 | 120,736,685 |
| 2037 | 69,743,665 | 34,254,576 | 103,998,241 | 75,701,159 | 37,366,566 | 113,067,725 | 81,719,578 | 40,483,351 | 122,202,929 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.23% | 1.59% | 1.34% | 1.83% | 2.42% | 2.02% | 2.35% | 3.01% | 2.56% |
| 2020 | 2.16% | 1.56% | 1.97% | 2.59% | 2.20% | 2.46% | 3.00% | 2.53% | 2.84% |
| 2021 | 0.78% | 1.91% | 1.15% | 1.21% | 2.22% | 1.54% | 1.49% | 2.60% | 1.85% |
| 2022 | 1.56% | 1.51% | 1.54% | 1.83% | 1.88% | 1.85% | 2.11% | 2.23% | 2.15% |
| 2023 | 1.54% | 1.94% | 1.67% | 1.84% | 2.16% | 1.94% | 2.02% | 2.44% | 2.16% |
| 2024 | 2.42% | 1.78% | 2.21% | 2.56% | 2.03% | 2.39% | 2.86% | 2.21% | 2.65% |
| 2025 | 0.97% | 1.82% | 1.25% | 1.14% | 1.90% | 1.39% | 1.28% | 2.13% | 1.56% |
| 2026 | 1.77% | 1.80% | 1.78% | 1.93% | 1.99% | 1.95% | 2.05% | 2.14% | 2.08% |
| 2027 | 1.63% | 1.95% | 1.74% | 1.73% | 2.17% | 1.87% | 1.86% | 2.29% | 2.00% |
| 2028 | 2.40% | 1.80% | 2.20% | 2.54% | 1.87% | 2.32% | 2.59% | 2.02% | 2.40% |
| 2029 | 0.98% | 1.79% | 1.24% | 1.06% | 2.00% | 1.37% | 1.21% | 1.98% | 1.46% |
| 2030 | 1.78% | 1.99% | 1.85% | 1.89% | 2.12% | 1.97% | 1.88% | 2.17% | 1.98% |
| 2031 | 1.59% | 2.02% | 1.73% | 1.74% | 1.96% | 1.82% | 1.81% | 2.02% | 1.88% |
| 2032 | 2.39% | 1.50% | 2.10% | 2.40% | 1.64% | 2.15% | 2.48% | 1.75% | 2.24% |
| 2033 | 0.97% | 1.90% | 1.27% | 1.06% | 1.89% | 1.34% | 1.12% | 1.94% | 1.39% |
| 2034 | 1.62% | 1.63% | 1.62% | 1.65% | 1.76% | 1.69% | 1.74% | 1.81% | 1.76% |
| 2035 | 1.74% | 1.81% | 1.77% | 1.72% | 1.76% | 1.73% | 1.76% | 1.81% | 1.78% |
| 2036 | 2.30% | 1.78% | 2.13% | 2.36% | 1.79% | 2.17% | 2.34% | 1.88% | 2.19% |
| 2037 | 0.99% | 1.54% | 1.17% | 1.01% | 1.57% | 1.19% | 1.09% | 1.48% | 1.21% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 67,252 | 813,291 | 880,543 | 70,733 | 823,306 | 894,039 | 74,363 | 833,289 | 907,652 |
| 2019 | 68,321 | 829,476 | 897,798 | 72,444 | 839,113 | 911,558 | 76,599 | 848,838 | 925,438 |
| 2020 | 69,388 | 845,402 | 914,790 | 74,036 | 854,775 | 928,810 | 78,534 | 864,419 | 942,953 |
| 2021 | 70,717 | 861,595 | 932,312 | 75,677 | 870,924 | 946,601 | 80,572 | 880,442 | 961,014 |
| 2022 | 71,782 | 877,707 | 949,489 | 77,102 | 886,939 | 964,041 | 82,365 | 896,355 | 978,721 |
| 2023 | 73,172 | 894,094 | 967,265 | 78,765 | 903,325 | 982,090 | 84,377 | 912,667 | 997,044 |
| 2024 | 74,474 | 911,015 | 985,489 | 80,362 | 920,231 | 1,000,593 | 86,238 | 929,591 | 1,015,829 |
| 2025 | 75,826 | 927,189 | 1,003,015 | 81,888 | 936,500 | 1,018,388 | 88,075 | 945,819 | 1,033,895 |
| 2026 | 77,195 | 945,084 | 1,022,279 | 83,518 | 954,429 | 1,037,947 | 89,957 | 963,795 | 1,053,752 |
| 2027 | 78,702 | 961,781 | 1,040,482 | 85,327 | 971,102 | 1,056,429 | 92,017 | 980,498 | 1,072,515 |
| 2028 | 80,117 | 979,938 | 1,060,056 | 86,924 | 989,378 | 1,076,303 | 93,872 | 998,820 | 1,092,691 |
| 2029 | 81,553 | 997,363 | 1,078,916 | 88,666 | 1,006,785 | 1,095,451 | 95,728 | 1,016,404 | 1,112,132 |
| 2030 | 83,178 | 1,016,926 | 1,100,104 | 90,544 | 1,026,420 | 1,116,964 | 97,808 | 1,036,164 | 1,133,972 |
| 2031 | 84,855 | 1,034,671 | 1,119,526 | 92,322 | 1,044,362 | 1,136,684 | 99,787 | 1,054,205 | 1,153,992 |
| 2032 | 86,127 | 1,052,550 | 1,138,676 | 93,839 | 1,062,289 | 1,156,128 | 101,532 | 1,072,201 | 1,173,732 |
| 2033 | 87,762 | 1,071,065 | 1,158,827 | 95,614 | 1,080,973 | 1,176,588 | 103,503 | 1,091,000 | 1,194,503 |
| 2034 | 89,194 | 1,088,456 | 1,177,650 | 97,296 | 1,098,403 | 1,195,699 | 105,381 | 1,108,525 | 1,213,906 |
| 2035 | 90,813 | 1,107,262 | 1,198,074 | 99,013 | 1,117,423 | 1,216,436 | 107,284 | 1,127,675 | 1,234,959 |
| 2036 | 92,427 | 1,125,662 | 1,218,089 | 100,790 | 1,135,968 | 1,236,758 | 109,300 | 1,146,290 | 1,255,590 |
| 2037 | 93,848 | 1,143,900 | 1,237,748 | 102,374 | 1,154,344 | 1,256,718 | 110,913 | 1,164,941 | 1,275,854 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.59% | 1.99% | 1.96% | 2.42% | 1.92% | 1.96% | 3.01% | 1.87% | 1.96% |
| 2020 | 1.56% | 1.92% | 1.89% | 2.20% | 1.87% | 1.89% | 2.53% | 1.84% | 1.89% |
| 2021 | 1.91% | 1.92% | 1.92% | 2.22% | 1.89% | 1.92% | 2.60% | 1.85% | 1.92% |
| 2022 | 1.51% | 1.87% | 1.84% | 1.88% | 1.84% | 1.84% | 2.23% | 1.81% | 1.84% |
| 2023 | 1.94% | 1.87% | 1.87% | 2.16% | 1.85% | 1.87% | 2.44% | 1.82% | 1.87% |
| 2024 | 1.78% | 1.89% | 1.88% | 2.03% | 1.87% | 1.88% | 2.21% | 1.85% | 1.88% |
| 2025 | 1.82% | 1.78% | 1.78% | 1.90% | 1.77% | 1.78% | 2.13% | 1.75% | 1.78% |
| 2026 | 1.80% | 1.93% | 1.92% | 1.99% | 1.91% | 1.92% | 2.14% | 1.90% | 1.92% |
| 2027 | 1.95% | 1.77% | 1.78% | 2.17% | 1.75% | 1.78% | 2.29% | 1.73% | 1.78% |
| 2028 | 1.80% | 1.89% | 1.88% | 1.87% | 1.88% | 1.88% | 2.02% | 1.87% | 1.88% |
| 2029 | 1.79% | 1.78% | 1.78% | 2.00% | 1.76% | 1.78% | 1.98% | 1.76% | 1.78% |
| 2030 | 1.99% | 1.96% | 1.96% | 2.12% | 1.95% | 1.96% | 2.17% | 1.94% | 1.96% |
| 2031 | 2.02% | 1.74% | 1.77% | 1.96% | 1.75% | 1.77% | 2.02% | 1.74% | 1.77% |
| 2032 | 1.50% | 1.73% | 1.71% | 1.64% | 1.72% | 1.71% | 1.75% | 1.71% | 1.71% |
| 2033 | 1.90% | 1.76% | 1.77% | 1.89% | 1.76% | 1.77% | 1.94% | 1.75% | 1.77% |
| 2034 | 1.63% | 1.62% | 1.62% | 1.76% | 1.61% | 1.62% | 1.81% | 1.61% | 1.62% |
| 2035 | 1.81% | 1.73% | 1.73% | 1.76% | 1.73% | 1.73% | 1.81% | 1.73% | 1.73% |
| 2036 | 1.78% | 1.66% | 1.67% | 1.79% | 1.66% | 1.67% | 1.88% | 1.65% | 1.67% |
| 2037 | 1.54% | 1.62% | 1.61% | 1.57% | 1.62% | 1.61% | 1.48% | 1.63% | 1.61% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 40,400,826 | 35,528,329 | 75,929,155 | 42,977,699 | 36,847,021 | 79,824,720 | 45,553,358 | 38,220,697 | 83,774,055 |
| 2019 | 41,158,959 | 35,791,211 | 76,950,170 | 43,908,667 | 37,526,416 | 81,435,082 | 46,657,365 | 39,263,340 | 85,920,704 |
| 2020 | 42,155,633 | 36,309,528 | 78,465,161 | 45,061,128 | 38,377,364 | 83,438,492 | 47,966,785 | 40,396,951 | 88,363,736 |
| 2021 | 42,816,164 | 36,547,447 | 79,363,610 | 45,836,719 | 38,885,595 | 84,722,314 | 48,857,182 | 41,141,386 | 89,998,567 |
| 2022 | 43,693,676 | 36,894,096 | 80,587,772 | 46,830,665 | 39,455,793 | 86,286,458 | 49,967,519 | 41,964,501 | 91,932,020 |
| 2023 | 44,604,784 | 37,326,721 | 81,931,505 | 47,850,766 | 40,110,995 | 87,961,761 | 51,096,050 | 42,822,731 | 93,918,781 |
| 2024 | 45,752,655 | 37,989,557 | 83,742,212 | 49,116,750 | 40,945,212 | 90,061,962 | 52,480,072 | 43,925,083 | 96,405,155 |
| 2025 | 46,516,003 | 38,270,599 | 84,786,603 | 49,963,068 | 41,347,971 | 91,311,039 | 53,410,288 | 44,496,004 | 97,906,293 |
| 2026 | 47,508,446 | 38,790,029 | 86,298,475 | 51,050,032 | 42,042,856 | 93,092,889 | 54,591,263 | 45,348,982 | 99,940,246 |
| 2027 | 48,524,820 | 39,273,715 | 87,798,535 | 52,157,383 | 42,678,551 | 94,835,934 | 55,789,617 | 46,153,879 | 101,943,497 |
| 2028 | 49,776,927 | 39,955,354 | 89,732,280 | 53,512,210 | 43,526,438 | 97,038,648 | 57,249,249 | 47,140,878 | 104,390,126 |
| 2029 | 50,625,257 | 40,221,847 | 90,847,104 | 54,432,518 | 43,934,368 | 98,366,886 | 58,238,963 | 47,679,214 | 105,918,177 |
| 2030 | 51,710,751 | 40,815,785 | 92,526,536 | 55,601,157 | 44,698,669 | 100,299,826 | 59,491,556 | 48,523,132 | 108,014,688 |
| 2031 | 52,811,769 | 41,315,724 | 94,127,493 | 56,784,051 | 45,337,347 | 102,121,398 | 60,757,195 | 49,290,348 | 110,047,544 |
| 2032 | 54,169,830 | 41,933,297 | 96,103,127 | 58,240,619 | 46,076,985 | 104,317,604 | 62,311,979 | 50,197,579 | 112,509,558 |
| 2033 | 55,057,649 | 42,269,602 | 97,327,251 | 59,189,637 | 46,520,993 | 105,710,630 | 63,320,149 | 50,757,159 | 114,077,307 |
| 2034 | 56,206,478 | 42,702,117 | 98,908,596 | 60,415,268 | 47,080,144 | 107,495,412 | 64,624,654 | 51,464,319 | 116,088,973 |
| 2035 | 57,375,487 | 43,279,009 | 100,654,496 | 61,660,848 | 47,698,648 | 109,359,496 | 65,946,454 | 52,203,150 | 118,149,605 |
| 2036 | 58,816,460 | 43,982,343 | 102,798,803 | 63,196,442 | 48,539,273 | 111,735,715 | 67,576,565 | 53,160,120 | 120,736,685 |
| 2037 | 59,750,917 | 44,247,324 | 103,998,241 | 64,185,505 | 48,882,219 | 113,067,725 | 68,619,785 | 53,583,144 | 122,202,929 |

Annual Change

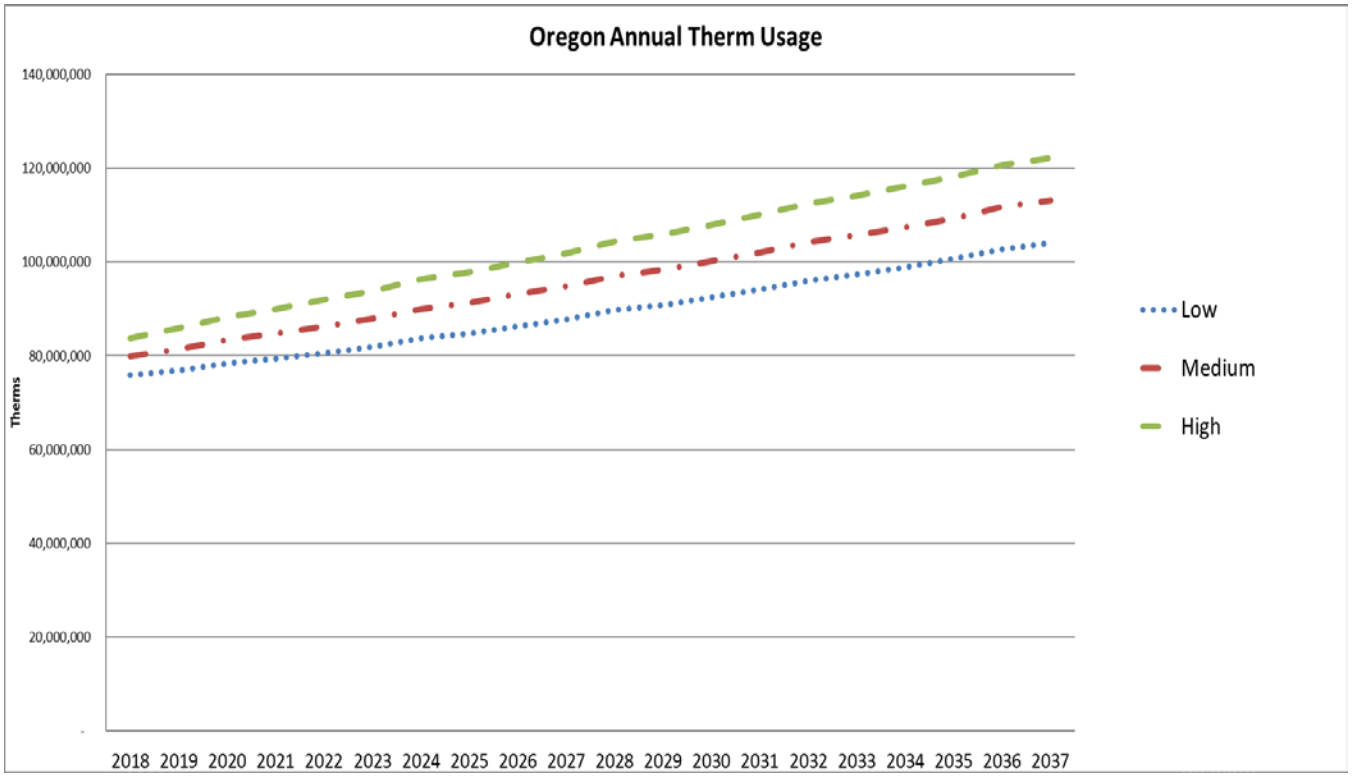
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.88% | 0.74% | 1.34% | 2.17% | 1.84% | 2.02% | 2.42% | 2.73% | 2.56% |
| 2020 | 2.42% | 1.45% | 1.97% | 2.62% | 2.27% | 2.46% | 2.81% | 2.89% | 2.84% |
| 2021 | 1.57% | 0.66% | 1.15% | 1.72% | 1.32% | 1.54% | 1.86% | 1.84% | 1.85% |
| 2022 | 2.05% | 0.95% | 1.54% | 2.17% | 1.47% | 1.85% | 2.27% | 2.00% | 2.15% |
| 2023 | 2.09% | 1.17% | 1.67% | 2.18% | 1.66% | 1.94% | 2.26% | 2.05% | 2.16% |
| 2024 | 2.57% | 1.78% | 2.21% | 2.65% | 2.08% | 2.39% | 2.71% | 2.57% | 2.65% |
| 2025 | 1.67% | 0.74% | 1.25% | 1.72% | 0.98% | 1.39% | 1.77% | 1.30% | 1.56% |
| 2026 | 2.13% | 1.36% | 1.78% | 2.18% | 1.68% | 1.95% | 2.21% | 1.92% | 2.08% |
| 2027 | 2.14% | 1.25% | 1.74% | 2.17% | 1.51% | 1.87% | 2.20% | 1.77% | 2.00% |
| 2028 | 2.58% | 1.74% | 2.20% | 2.60% | 1.99% | 2.32% | 2.62% | 2.14% | 2.40% |
| 2029 | 1.70% | 0.67% | 1.24% | 1.72% | 0.94% | 1.37% | 1.73% | 1.14% | 1.46% |
| 2030 | 2.14% | 1.48% | 1.85% | 2.15% | 1.74% | 1.97% | 2.15% | 1.77% | 1.98% |
| 2031 | 2.13% | 1.22% | 1.73% | 2.13% | 1.43% | 1.82% | 2.13% | 1.58% | 1.88% |
| 2032 | 2.57% | 1.49% | 2.10% | 2.57% | 1.63% | 2.15% | 2.56% | 1.84% | 2.24% |
| 2033 | 1.64% | 0.80% | 1.27% | 1.63% | 0.96% | 1.34% | 1.62% | 1.11% | 1.39% |
| 2034 | 2.09% | 1.02% | 1.62% | 2.07% | 1.20% | 1.69% | 2.06% | 1.39% | 1.76% |
| 2035 | 2.08% | 1.35% | 1.77% | 2.06% | 1.31% | 1.73% | 2.05% | 1.44% | 1.78% |
| 2036 | 2.51% | 1.63% | 2.13% | 2.49% | 1.76% | 2.17% | 2.47% | 1.83% | 2.19% |
| 2037 | 1.59% | 0.60% | 1.17% | 1.57% | 0.71% | 1.19% | 1.54% | 0.80% | 1.21% |

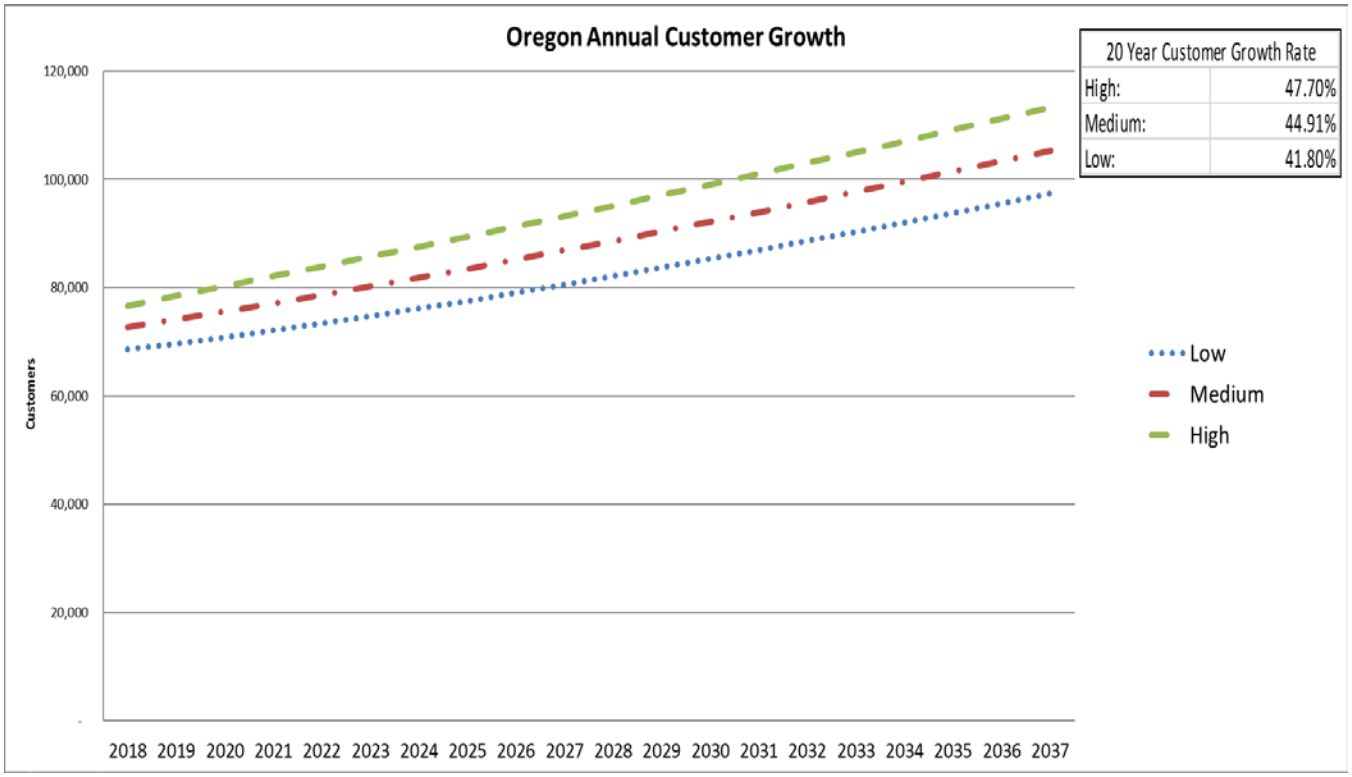
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 58,796 | 9,883 | 68,679 | 62,493 | 10,206 | 72,700 | 66,189 | 10,531 | 76,720 |
| 2019 | 59,805 | 9,932 | 69,737 | 63,797 | 10,350 | 74,147 | 67,787 | 10,769 | 78,556 |
| 2020 | 60,897 | 10,000 | 70,897 | 65,132 | 10,493 | 75,625 | 69,368 | 10,986 | 80,355 |
| 2021 | 62,051 | 10,078 | 72,129 | 66,503 | 10,638 | 77,141 | 70,955 | 11,195 | 82,150 |
| 2022 | 63,257 | 10,162 | 73,419 | 67,906 | 10,780 | 78,686 | 72,556 | 11,396 | 83,952 |
| 2023 | 64,510 | 10,252 | 74,763 | 69,343 | 10,924 | 80,267 | 74,175 | 11,591 | 85,766 |
| 2024 | 65,809 | 10,348 | 76,158 | 70,815 | 11,067 | 81,882 | 75,820 | 11,785 | 87,605 |
| 2025 | 67,148 | 10,446 | 77,594 | 72,317 | 11,208 | 83,525 | 77,486 | 11,973 | 89,459 |
| 2026 | 68,527 | 10,546 | 79,074 | 73,853 | 11,350 | 85,204 | 79,179 | 12,158 | 91,336 |
| 2027 | 69,942 | 10,646 | 80,588 | 75,420 | 11,492 | 86,912 | 80,897 | 12,340 | 93,237 |
| 2028 | 71,394 | 10,747 | 82,142 | 77,016 | 11,633 | 88,648 | 82,638 | 12,516 | 95,155 |
| 2029 | 72,878 | 10,849 | 83,727 | 78,644 | 11,770 | 90,413 | 84,408 | 12,693 | 97,100 |
| 2030 | 74,399 | 10,953 | 85,352 | 80,301 | 11,909 | 92,210 | 86,204 | 12,864 | 99,068 |
| 2031 | 75,945 | 11,053 | 86,998 | 81,982 | 12,045 | 94,027 | 88,020 | 13,034 | 101,054 |
| 2032 | 77,517 | 11,153 | 88,670 | 83,685 | 12,177 | 95,862 | 89,854 | 13,201 | 103,055 |
| 2033 | 79,114 | 11,252 | 90,366 | 85,412 | 12,308 | 97,720 | 91,708 | 13,365 | 105,072 |
| 2034 | 80,735 | 11,350 | 92,086 | 87,159 | 12,438 | 99,597 | 93,583 | 13,526 | 107,108 |
| 2035 | 82,381 | 11,450 | 93,830 | 88,928 | 12,567 | 101,494 | 95,475 | 13,684 | 109,159 |
| 2036 | 84,051 | 11,547 | 95,599 | 90,719 | 12,693 | 103,412 | 97,388 | 13,840 | 111,228 |
| 2037 | 85,745 | 11,643 | 97,389 | 92,534 | 12,817 | 105,351 | 99,322 | 13,992 | 113,314 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.72% | 0.49% | 1.54% | 2.09% | 1.41% | 1.99% | 2.42% | 2.26% | 2.39% |
| 2020 | 1.83% | 0.68% | 1.66% | 2.09% | 1.38% | 1.99% | 2.33% | 2.02% | 2.29% |
| 2021 | 1.89% | 0.79% | 1.74% | 2.10% | 1.38% | 2.00% | 2.29% | 1.90% | 2.23% |
| 2022 | 1.94% | 0.83% | 1.79% | 2.11% | 1.33% | 2.00% | 2.26% | 1.79% | 2.19% |
| 2023 | 1.98% | 0.89% | 1.83% | 2.12% | 1.34% | 2.01% | 2.23% | 1.71% | 2.16% |
| 2024 | 2.01% | 0.94% | 1.87% | 2.12% | 1.31% | 2.01% | 2.22% | 1.67% | 2.14% |
| 2025 | 2.03% | 0.94% | 1.89% | 2.12% | 1.27% | 2.01% | 2.20% | 1.60% | 2.12% |
| 2026 | 2.05% | 0.96% | 1.91% | 2.12% | 1.27% | 2.01% | 2.18% | 1.54% | 2.10% |
| 2027 | 2.06% | 0.95% | 1.92% | 2.12% | 1.25% | 2.01% | 2.17% | 1.50% | 2.08% |
| 2028 | 2.08% | 0.95% | 1.93% | 2.12% | 1.22% | 2.00% | 2.15% | 1.43% | 2.06% |
| 2029 | 2.08% | 0.95% | 1.93% | 2.11% | 1.18% | 1.99% | 2.14% | 1.41% | 2.04% |
| 2030 | 2.09% | 0.96% | 1.94% | 2.11% | 1.18% | 1.99% | 2.13% | 1.35% | 2.03% |
| 2031 | 2.08% | 0.91% | 1.93% | 2.09% | 1.15% | 1.97% | 2.11% | 1.32% | 2.00% |
| 2032 | 2.07% | 0.91% | 1.92% | 2.08% | 1.10% | 1.95% | 2.08% | 1.28% | 1.98% |
| 2033 | 2.06% | 0.89% | 1.91% | 2.06% | 1.08% | 1.94% | 2.06% | 1.24% | 1.96% |
| 2034 | 2.05% | 0.88% | 1.90% | 2.04% | 1.05% | 1.92% | 2.04% | 1.20% | 1.94% |
| 2035 | 2.04% | 0.87% | 1.89% | 2.03% | 1.03% | 1.91% | 2.02% | 1.17% | 1.91% |
| 2036 | 2.03% | 0.85% | 1.88% | 2.01% | 1.00% | 1.89% | 2.00% | 1.14% | 1.90% |
| 2037 | 2.02% | 0.83% | 1.87% | 2.00% | 0.98% | 1.87% | 1.99% | 1.10% | 1.88% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 47.70% |
| Medium: | 44.91% |
| Low: | 41.80% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## Washington

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 149,052,184 | 77,989,812 | 227,041,996 | 152,554,790 | 80,277,320 | 232,832,110 | 156,040,662 | 82,627,227 | 238,667,889 |
| 2019 | 150,260,655 | 78,537,035 | 228,797,691 | 154,788,964 | 81,398,785 | 236,187,749 | 159,237,202 | 84,329,183 | 243,566,385 |
| 2020 | 152,578,055 | 79,062,778 | 231,640,833 | 157,963,625 | 82,381,482 | 240,345,107 | 163,252,793 | 85,835,598 | 249,088,391 |
| 2021 | 153,265,131 | 79,776,671 | 233,041,802 | 159,262,407 | 83,588,113 | 242,850,519 | 165,270,162 | 87,579,785 | 252,849,947 |
| 2022 | 154,984,944 | 80,650,928 | 235,635,873 | 161,561,098 | 84,750,291 | 246,311,389 | 168,262,446 | 89,030,717 | 257,293,162 |
| 2023 | 156,742,130 | 81,514,671 | 238,256,801 | 163,936,963 | 85,972,794 | 249,909,757 | 171,201,034 | 90,523,369 | 261,724,403 |
| 2024 | 159,617,175 | 82,461,437 | 242,078,612 | 167,449,550 | 87,154,191 | 254,603,741 | 175,295,610 | 92,087,255 | 267,382,865 |
| 2025 | 160,655,440 | 83,339,567 | 243,995,007 | 168,914,485 | 88,522,556 | 257,437,041 | 177,265,163 | 93,774,500 | 271,039,663 |
| 2026 | 162,661,117 | 84,313,574 | 246,974,691 | 171,438,141 | 89,773,016 | 261,211,158 | 180,306,509 | 95,249,562 | 275,556,071 |
| 2027 | 164,784,876 | 85,358,102 | 250,142,977 | 173,997,448 | 91,102,114 | 265,099,562 | 183,294,955 | 96,777,279 | 280,072,234 |
| 2028 | 167,959,788 | 86,409,667 | 254,369,455 | 177,646,869 | 92,350,808 | 269,997,677 | 187,431,644 | 98,310,139 | 285,741,783 |
| 2029 | 169,252,276 | 87,517,051 | 256,769,327 | 179,297,003 | 93,714,629 | 273,011,632 | 189,370,508 | 99,930,615 | 289,301,123 |
| 2030 | 171,565,324 | 88,799,087 | 260,364,411 | 181,994,250 | 95,253,835 | 277,248,085 | 192,507,682 | 101,570,769 | 294,078,452 |
| 2031 | 173,899,496 | 90,089,924 | 263,989,420 | 184,760,063 | 96,730,203 | 281,490,267 | 195,707,661 | 103,221,037 | 298,928,697 |
| 2032 | 177,529,333 | 91,313,130 | 268,842,463 | 188,739,512 | 98,134,018 | 286,873,531 | 200,104,184 | 104,859,244 | 304,963,428 |
| 2033 | 178,908,195 | 92,515,074 | 271,423,269 | 190,422,594 | 99,560,817 | 289,983,412 | 202,037,341 | 106,591,459 | 308,628,800 |
| 2034 | 181,437,825 | 93,804,532 | 275,242,358 | 193,315,919 | 100,962,352 | 294,278,271 | 205,306,780 | 108,241,240 | 313,548,020 |
| 2035 | 184,110,035 | 95,071,678 | 279,181,713 | 196,280,414 | 102,447,376 | 298,727,790 | 208,609,988 | 109,893,509 | 318,503,497 |
| 2036 | 187,883,128 | 96,390,912 | 284,274,040 | 200,530,217 | 103,938,054 | 304,468,271 | 213,209,209 | 111,570,880 | 324,780,089 |
| 2037 | 189,460,721 | 97,817,301 | 287,278,022 | 202,325,196 | 105,485,474 | 307,810,669 | 215,236,098 | 113,259,807 | 328,495,905 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.81% | 0.70% | 0.77% | 1.46% | 1.40% | 1.44% | 2.05% | 2.06% | 2.05% |
| 2020 | 1.54% | 0.67% | 1.24% | 2.05% | 1.21% | 1.76% | 2.52% | 1.79% | 2.27% |
| 2021 | 0.45% | 0.90% | 0.60% | 0.82% | 1.46% | 1.04% | 1.24% | 2.03% | 1.51% |
| 2022 | 1.12% | 1.10% | 1.11% | 1.44% | 1.39% | 1.43% | 1.81% | 1.66% | 1.76% |
| 2023 | 1.13% | 1.07% | 1.11% | 1.47% | 1.44% | 1.46% | 1.75% | 1.68% | 1.72% |
| 2024 | 1.83% | 1.16% | 1.60% | 2.14% | 1.37% | 1.88% | 2.39% | 1.73% | 2.16% |
| 2025 | 0.65% | 1.06% | 0.79% | 0.87% | 1.57% | 1.11% | 1.12% | 1.83% | 1.37% |
| 2026 | 1.25% | 1.17% | 1.22% | 1.49% | 1.41% | 1.47% | 1.72% | 1.57% | 1.67% |
| 2027 | 1.31% | 1.24% | 1.28% | 1.49% | 1.48% | 1.49% | 1.66% | 1.60% | 1.64% |
| 2028 | 1.93% | 1.23% | 1.69% | 2.10% | 1.37% | 1.85% | 2.26% | 1.58% | 2.02% |
| 2029 | 0.77% | 1.28% | 0.94% | 0.93% | 1.48% | 1.12% | 1.03% | 1.65% | 1.25% |
| 2030 | 1.37% | 1.46% | 1.40% | 1.50% | 1.64% | 1.55% | 1.66% | 1.64% | 1.65% |
| 2031 | 1.36% | 1.45% | 1.39% | 1.52% | 1.55% | 1.53% | 1.66% | 1.62% | 1.65% |
| 2032 | 2.09% | 1.36% | 1.84% | 2.15% | 1.45% | 1.91% | 2.25% | 1.59% | 2.02% |
| 2033 | 0.78% | 1.32% | 0.96% | 0.89% | 1.45% | 1.08% | 0.97% | 1.65% | 1.20% |
| 2034 | 1.41% | 1.39% | 1.41% | 1.52% | 1.41% | 1.48% | 1.62% | 1.55% | 1.59% |
| 2035 | 1.47% | 1.35% | 1.43% | 1.53% | 1.47% | 1.51% | 1.61% | 1.53% | 1.58% |
| 2036 | 2.05% | 1.39% | 1.82% | 2.17% | 1.46% | 1.92% | 2.20% | 1.53% | 1.97% |
| 2037 | 0.84% | 1.48% | 1.06% | 0.90% | 1.49% | 1.10% | 0.95% | 1.51% | 1.14% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 213,671 | 2,170,493 | 2,384,164 | 219,938 | 2,200,767 | 2,420,704 | 226,376 | 2,231,188 | 2,457,564 |
| 2019 | 215,170 | 2,203,905 | 2,419,075 | 223,010 | 2,233,140 | 2,456,150 | 231,039 | 2,262,511 | 2,493,550 |
| 2020 | 216,610 | 2,237,041 | 2,453,651 | 225,703 | 2,265,554 | 2,491,256 | 235,166 | 2,294,024 | 2,529,190 |
| 2021 | 218,566 | 2,271,468 | 2,490,035 | 229,009 | 2,299,189 | 2,528,197 | 239,945 | 2,326,749 | 2,566,694 |
| 2022 | 220,961 | 2,305,961 | 2,526,923 | 232,193 | 2,333,458 | 2,565,651 | 243,920 | 2,360,798 | 2,604,718 |
| 2023 | 223,328 | 2,341,474 | 2,564,802 | 235,542 | 2,368,569 | 2,604,111 | 248,009 | 2,395,754 | 2,643,763 |
| 2024 | 225,922 | 2,377,530 | 2,603,452 | 238,779 | 2,404,575 | 2,643,353 | 252,294 | 2,431,309 | 2,683,603 |
| 2025 | 228,328 | 2,415,016 | 2,643,344 | 242,528 | 2,441,328 | 2,683,856 | 256,916 | 2,467,806 | 2,724,723 |
| 2026 | 230,996 | 2,452,275 | 2,683,271 | 245,953 | 2,478,442 | 2,724,395 | 260,958 | 2,504,921 | 2,765,879 |
| 2027 | 233,858 | 2,490,133 | 2,723,990 | 249,595 | 2,516,144 | 2,765,739 | 265,143 | 2,542,709 | 2,807,853 |
| 2028 | 236,739 | 2,528,295 | 2,765,034 | 253,016 | 2,554,396 | 2,807,412 | 269,343 | 2,580,817 | 2,850,160 |
| 2029 | 239,773 | 2,567,500 | 2,807,273 | 256,752 | 2,593,545 | 2,850,298 | 273,783 | 2,619,916 | 2,893,699 |
| 2030 | 243,285 | 2,607,406 | 2,850,691 | 260,969 | 2,633,412 | 2,894,382 | 278,276 | 2,660,178 | 2,938,454 |
| 2031 | 246,822 | 2,647,410 | 2,894,231 | 265,014 | 2,673,575 | 2,938,589 | 282,797 | 2,700,537 | 2,983,335 |
| 2032 | 250,173 | 2,688,925 | 2,939,098 | 268,860 | 2,715,283 | 2,984,143 | 287,286 | 2,742,297 | 3,029,583 |
| 2033 | 253,466 | 2,731,078 | 2,984,544 | 272,769 | 2,757,516 | 3,030,286 | 292,031 | 2,784,396 | 3,076,428 |
| 2034 | 256,999 | 2,773,048 | 3,030,047 | 276,609 | 2,799,877 | 3,076,486 | 296,551 | 2,826,780 | 3,123,332 |
| 2035 | 260,470 | 2,815,562 | 3,076,032 | 280,678 | 2,842,499 | 3,123,176 | 301,078 | 2,869,655 | 3,170,733 |
| 2036 | 264,085 | 2,859,410 | 3,123,494 | 284,762 | 2,886,604 | 3,171,366 | 305,674 | 2,913,982 | 3,219,656 |
| 2037 | 267,993 | 2,903,036 | 3,171,029 | 289,001 | 2,930,627 | 3,219,629 | 310,301 | 2,958,353 | 3,268,654 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.70% | 1.54% | 1.46% | 1.40% | 1.47% | 1.46% | 2.06% | 1.40% | 1.46% |
| 2020 | 0.67% | 1.50% | 1.43% | 1.21% | 1.45% | 1.43% | 1.79% | 1.39% | 1.43% |
| 2021 | 0.90% | 1.54% | 1.48% | 1.46% | 1.48% | 1.48% | 2.03% | 1.43% | 1.48% |
| 2022 | 1.10% | 1.52% | 1.48% | 1.39% | 1.49% | 1.48% | 1.66% | 1.46% | 1.48% |
| 2023 | 1.07% | 1.54% | 1.50% | 1.44% | 1.50% | 1.50% | 1.68% | 1.48% | 1.50% |
| 2024 | 1.16% | 1.54% | 1.51% | 1.37% | 1.52% | 1.51% | 1.73% | 1.48% | 1.51% |
| 2025 | 1.06% | 1.58% | 1.53% | 1.57% | 1.53% | 1.53% | 1.83% | 1.50% | 1.53% |
| 2026 | 1.17% | 1.54% | 1.51% | 1.41% | 1.52% | 1.51% | 1.57% | 1.50% | 1.51% |
| 2027 | 1.24% | 1.54% | 1.52% | 1.48% | 1.52% | 1.52% | 1.60% | 1.51% | 1.52% |
| 2028 | 1.23% | 1.53% | 1.51% | 1.37% | 1.52% | 1.51% | 1.58% | 1.50% | 1.51% |
| 2029 | 1.28% | 1.55% | 1.53% | 1.48% | 1.53% | 1.53% | 1.65% | 1.52% | 1.53% |
| 2030 | 1.46% | 1.55% | 1.55% | 1.64% | 1.54% | 1.55% | 1.64% | 1.54% | 1.55% |
| 2031 | 1.45% | 1.53% | 1.53% | 1.55% | 1.53% | 1.53% | 1.62% | 1.52% | 1.53% |
| 2032 | 1.36% | 1.57% | 1.55% | 1.45% | 1.56% | 1.55% | 1.59% | 1.55% | 1.55% |
| 2033 | 1.32% | 1.57% | 1.55% | 1.45% | 1.56% | 1.55% | 1.65% | 1.54% | 1.55% |
| 2034 | 1.39% | 1.54% | 1.52% | 1.41% | 1.54% | 1.52% | 1.55% | 1.52% | 1.52% |
| 2035 | 1.35% | 1.53% | 1.52% | 1.47% | 1.52% | 1.52% | 1.53% | 1.52% | 1.52% |
| 2036 | 1.39% | 1.56% | 1.54% | 1.46% | 1.55% | 1.54% | 1.53% | 1.54% | 1.54% |
| 2037 | 1.48% | 1.53% | 1.52% | 1.49% | 1.53% | 1.52% | 1.51% | 1.52% | 1.52% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 120,778,645 | 106,263,351 | 227,041,996 | 123,008,394 | 109,823,716 | 232,832,110 | 125,230,231 | 113,437,658 | 238,667,889 |
| 2019 | 121,959,243 | 106,838,447 | 228,797,691 | 124,818,587 | 111,369,162 | 236,187,749 | 127,680,616 | 115,885,769 | 243,566,385 |
| 2020 | 123,786,275 | 107,854,558 | 231,640,833 | 127,191,366 | 113,153,742 | 240,345,107 | 130,583,156 | 118,505,234 | 249,088,391 |
| 2021 | 124,684,917 | 108,356,885 | 233,041,802 | 128,522,990 | 114,327,529 | 242,850,519 | 132,352,710 | 120,497,238 | 252,849,947 |
| 2022 | 126,183,043 | 109,452,830 | 235,635,873 | 130,408,632 | 115,902,757 | 246,311,389 | 134,645,594 | 122,647,568 | 257,293,162 |
| 2023 | 127,753,568 | 110,503,234 | 238,256,801 | 132,355,191 | 117,554,566 | 249,909,757 | 136,952,671 | 124,771,732 | 261,724,403 |
| 2024 | 129,956,334 | 112,122,278 | 242,078,612 | 134,904,829 | 119,698,912 | 254,603,741 | 139,863,568 | 127,519,297 | 267,382,865 |
| 2025 | 131,103,364 | 112,891,643 | 243,995,007 | 136,359,608 | 121,077,433 | 257,437,041 | 141,616,710 | 129,422,953 | 271,039,663 |
| 2026 | 132,852,686 | 114,122,005 | 246,974,691 | 138,405,217 | 122,805,940 | 261,211,158 | 143,958,523 | 131,597,547 | 275,556,071 |
| 2027 | 134,663,103 | 115,479,874 | 250,142,977 | 140,497,565 | 124,601,997 | 265,099,562 | 146,334,006 | 133,738,229 | 280,072,234 |
| 2028 | 137,059,957 | 117,309,498 | 254,369,455 | 143,189,525 | 126,808,152 | 269,997,677 | 149,319,099 | 136,422,684 | 285,741,783 |
| 2029 | 138,418,846 | 118,350,481 | 256,769,327 | 144,784,022 | 128,227,610 | 273,011,632 | 151,145,566 | 138,155,557 | 289,301,123 |
| 2030 | 140,362,593 | 120,001,818 | 260,364,411 | 146,973,917 | 130,274,168 | 277,248,085 | 153,585,011 | 140,493,441 | 294,078,452 |
| 2031 | 142,362,399 | 121,627,021 | 263,989,420 | 149,211,555 | 132,278,712 | 281,490,267 | 156,061,015 | 142,867,683 | 298,928,697 |
| 2032 | 144,999,472 | 123,842,991 | 268,842,463 | 152,109,824 | 134,763,706 | 286,873,531 | 159,219,548 | 145,743,880 | 304,963,428 |
| 2033 | 146,463,969 | 124,959,300 | 271,423,269 | 153,766,906 | 136,216,505 | 289,983,412 | 161,071,941 | 147,556,859 | 308,628,800 |
| 2034 | 148,579,805 | 126,662,552 | 275,242,358 | 156,104,918 | 138,173,353 | 294,278,271 | 163,630,076 | 149,917,944 | 313,548,020 |
| 2035 | 150,759,782 | 128,421,930 | 279,181,713 | 158,491,908 | 140,235,882 | 298,727,790 | 166,221,984 | 152,281,514 | 318,503,497 |
| 2036 | 153,608,665 | 130,665,375 | 284,274,040 | 161,580,471 | 142,887,800 | 304,468,271 | 169,550,122 | 155,229,967 | 324,780,089 |
| 2037 | 155,233,253 | 132,044,769 | 287,278,022 | 163,339,064 | 144,471,605 | 307,810,669 | 171,445,861 | 157,050,044 | 328,495,905 |

Annual Change

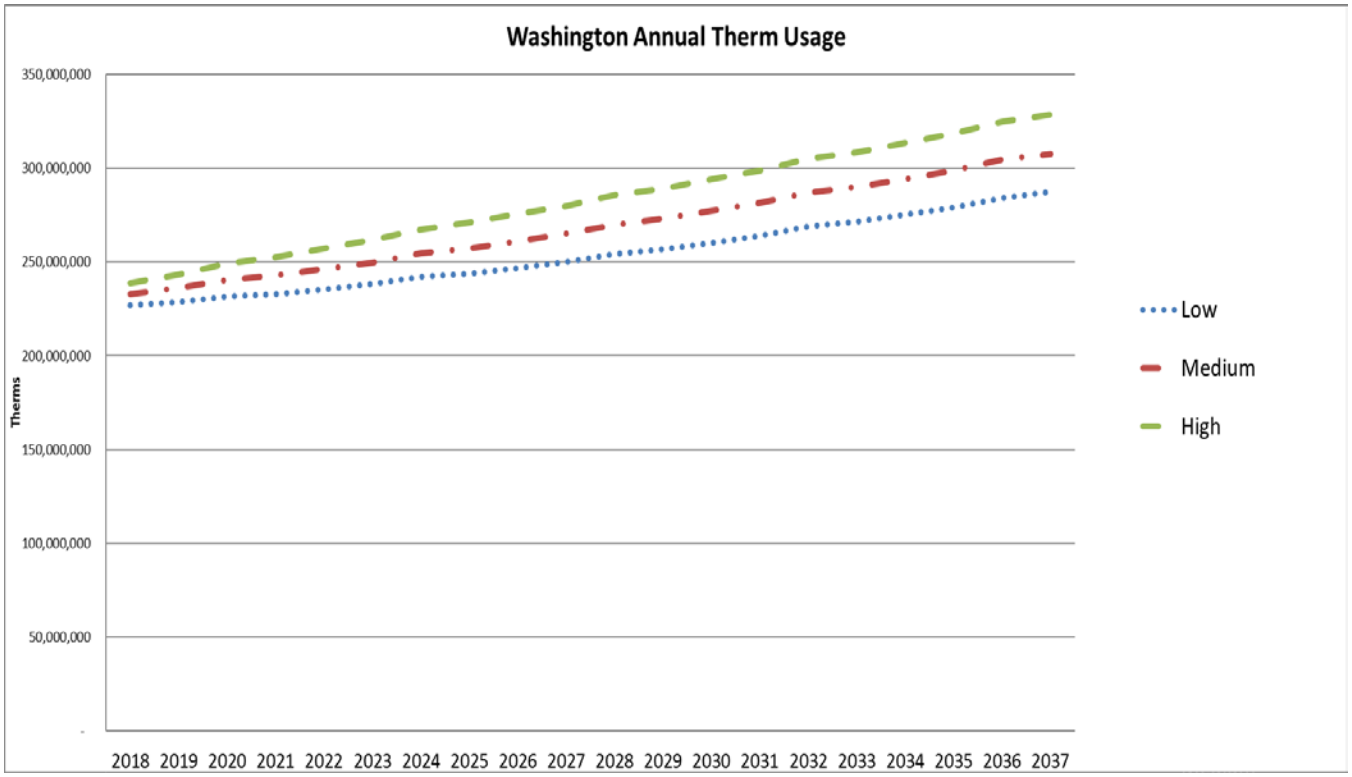
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 0.54% | 0.77% | 1.47% | 1.41% | 1.44% | 1.96% | 2.16% | 2.05% |
| 2020 | 1.50% | 0.95% | 1.24% | 1.90% | 1.60% | 1.76% | 2.27% | 2.26% | 2.27% |
| 2021 | 0.73% | 0.47% | 0.60% | 1.05% | 1.04% | 1.04% | 1.36% | 1.68% | 1.51% |
| 2022 | 1.20% | 1.01% | 1.11% | 1.47% | 1.38% | 1.43% | 1.73% | 1.78% | 1.76% |
| 2023 | 1.24% | 0.96% | 1.11% | 1.49% | 1.43% | 1.46% | 1.71% | 1.73% | 1.72% |
| 2024 | 1.72% | 1.47% | 1.60% | 1.93% | 1.82% | 1.88% | 2.13% | 2.20% | 2.16% |
| 2025 | 0.88% | 0.69% | 0.79% | 1.08% | 1.15% | 1.11% | 1.25% | 1.49% | 1.37% |
| 2026 | 1.33% | 1.09% | 1.22% | 1.50% | 1.43% | 1.47% | 1.65% | 1.68% | 1.67% |
| 2027 | 1.36% | 1.19% | 1.28% | 1.51% | 1.46% | 1.49% | 1.65% | 1.63% | 1.64% |
| 2028 | 1.78% | 1.58% | 1.69% | 1.92% | 1.77% | 1.85% | 2.04% | 2.01% | 2.02% |
| 2029 | 0.99% | 0.89% | 0.94% | 1.11% | 1.12% | 1.12% | 1.22% | 1.27% | 1.25% |
| 2030 | 1.40% | 1.40% | 1.40% | 1.51% | 1.60% | 1.55% | 1.61% | 1.69% | 1.65% |
| 2031 | 1.42% | 1.35% | 1.39% | 1.52% | 1.54% | 1.53% | 1.61% | 1.69% | 1.65% |
| 2032 | 1.85% | 1.82% | 1.84% | 1.94% | 1.88% | 1.91% | 2.02% | 2.01% | 2.02% |
| 2033 | 1.01% | 0.90% | 0.96% | 1.09% | 1.08% | 1.08% | 1.16% | 1.24% | 1.20% |
| 2034 | 1.44% | 1.36% | 1.41% | 1.52% | 1.44% | 1.48% | 1.59% | 1.60% | 1.59% |
| 2035 | 1.47% | 1.39% | 1.43% | 1.53% | 1.49% | 1.51% | 1.58% | 1.58% | 1.58% |
| 2036 | 1.89% | 1.75% | 1.82% | 1.95% | 1.89% | 1.92% | 2.00% | 1.94% | 1.97% |
| 2037 | 1.06% | 1.06% | 1.06% | 1.09% | 1.11% | 1.10% | 1.12% | 1.17% | 1.14% |

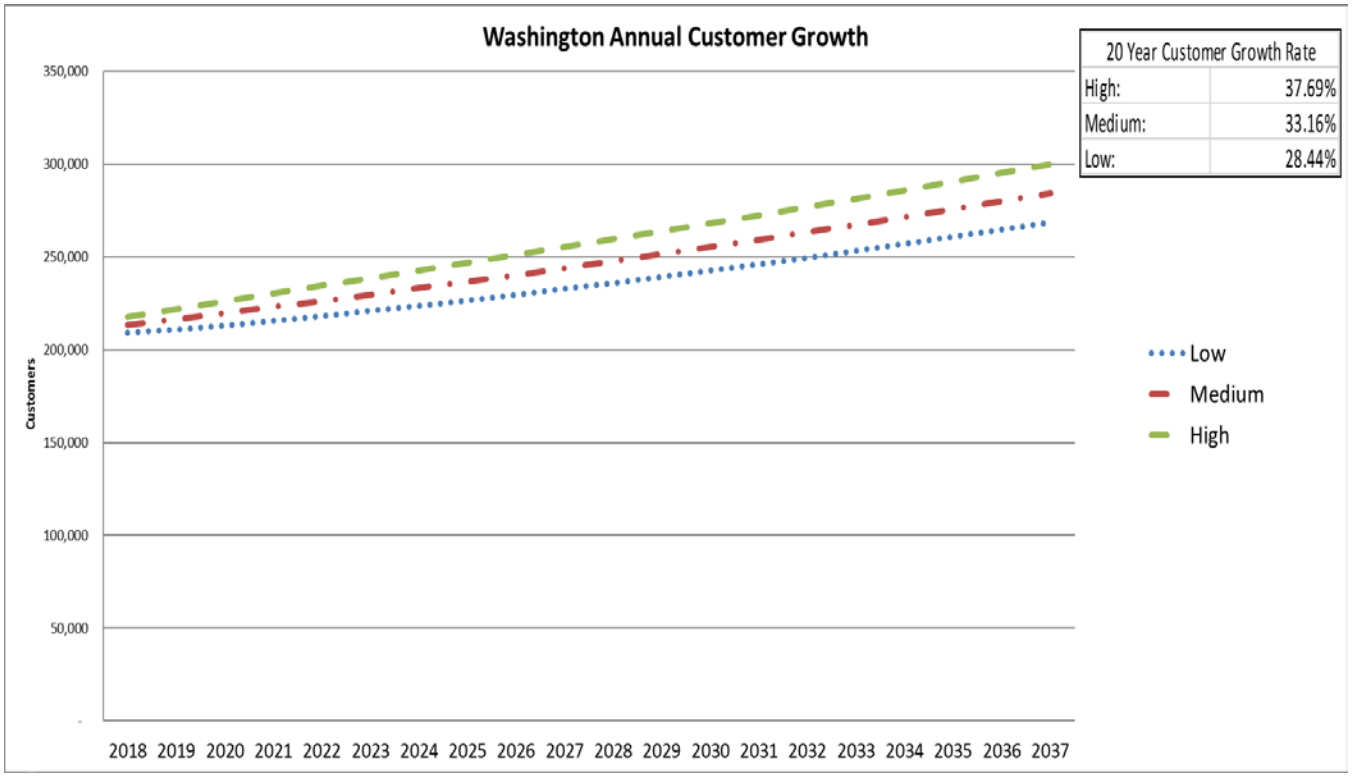
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 183,108 | 25,905 | 209,014 | 186,677 | 26,668 | 213,345 | 190,242 | 27,431 | 217,673 |
| 2019 | 184,901 | 26,062 | 210,964 | 189,454 | 27,035 | 216,489 | 194,007 | 28,008 | 222,015 |
| 2020 | 186,915 | 26,264 | 213,179 | 192,282 | 27,409 | 219,692 | 197,650 | 28,558 | 226,209 |
| 2021 | 189,100 | 26,495 | 215,595 | 195,171 | 27,796 | 222,967 | 201,242 | 29,098 | 230,339 |
| 2022 | 191,413 | 26,757 | 218,170 | 198,111 | 28,191 | 226,303 | 204,812 | 29,630 | 234,442 |
| 2023 | 193,834 | 27,036 | 220,870 | 201,109 | 28,596 | 229,705 | 208,384 | 30,159 | 238,542 |
| 2024 | 196,354 | 27,333 | 223,687 | 204,160 | 29,011 | 233,171 | 211,965 | 30,693 | 242,658 |
| 2025 | 198,962 | 27,647 | 226,609 | 207,267 | 29,439 | 236,705 | 215,572 | 31,233 | 246,805 |
| 2026 | 201,654 | 27,976 | 229,630 | 210,428 | 29,873 | 240,301 | 219,200 | 31,771 | 250,971 |
| 2027 | 204,425 | 28,325 | 232,750 | 213,644 | 30,318 | 243,962 | 222,863 | 32,315 | 255,178 |
| 2028 | 207,270 | 28,683 | 235,953 | 216,915 | 30,771 | 247,686 | 226,559 | 32,864 | 259,423 |
| 2029 | 210,191 | 29,057 | 239,248 | 220,245 | 31,238 | 251,482 | 230,293 | 33,419 | 263,713 |
| 2030 | 213,181 | 29,447 | 242,627 | 223,624 | 31,713 | 255,337 | 234,066 | 33,980 | 268,046 |
| 2031 | 216,240 | 29,845 | 246,085 | 227,061 | 32,197 | 259,258 | 237,880 | 34,552 | 272,432 |
| 2032 | 219,363 | 30,259 | 249,623 | 230,548 | 32,692 | 263,240 | 241,733 | 35,127 | 276,860 |
| 2033 | 222,554 | 30,684 | 253,238 | 234,091 | 33,197 | 267,288 | 245,629 | 35,710 | 281,338 |
| 2034 | 225,807 | 31,122 | 256,929 | 237,684 | 33,707 | 271,391 | 249,565 | 36,300 | 285,865 |
| 2035 | 229,122 | 31,568 | 260,690 | 241,333 | 34,228 | 275,561 | 253,544 | 36,897 | 290,441 |
| 2036 | 232,498 | 32,028 | 264,526 | 245,032 | 34,761 | 279,793 | 257,569 | 37,499 | 295,068 |
| 2037 | 235,954 | 32,497 | 268,451 | 248,784 | 35,303 | 284,088 | 261,611 | 38,109 | 299,720 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.98% | 0.61% | 0.93% | 1.49% | 1.38% | 1.47% | 1.98% | 2.11% | 1.99% |
| 2020 | 1.09% | 0.77% | 1.05% | 1.49% | 1.38% | 1.48% | 1.88% | 1.96% | 1.89% |
| 2021 | 1.17% | 0.88% | 1.13% | 1.50% | 1.41% | 1.49% | 1.82% | 1.89% | 1.83% |
| 2022 | 1.22% | 0.99% | 1.19% | 1.51% | 1.42% | 1.50% | 1.77% | 1.83% | 1.78% |
| 2023 | 1.26% | 1.04% | 1.24% | 1.51% | 1.44% | 1.50% | 1.74% | 1.78% | 1.75% |
| 2024 | 1.30% | 1.10% | 1.28% | 1.52% | 1.45% | 1.51% | 1.72% | 1.77% | 1.73% |
| 2025 | 1.33% | 1.15% | 1.31% | 1.52% | 1.47% | 1.52% | 1.70% | 1.76% | 1.71% |
| 2026 | 1.35% | 1.19% | 1.33% | 1.53% | 1.48% | 1.52% | 1.68% | 1.72% | 1.69% |
| 2027 | 1.37% | 1.25% | 1.36% | 1.53% | 1.49% | 1.52% | 1.67% | 1.71% | 1.68% |
| 2028 | 1.39% | 1.26% | 1.38% | 1.53% | 1.49% | 1.53% | 1.66% | 1.70% | 1.66% |
| 2029 | 1.41% | 1.31% | 1.40% | 1.54% | 1.52% | 1.53% | 1.65% | 1.69% | 1.65% |
| 2030 | 1.42% | 1.34% | 1.41% | 1.53% | 1.52% | 1.53% | 1.64% | 1.68% | 1.64% |
| 2031 | 1.44% | 1.35% | 1.43% | 1.54% | 1.53% | 1.54% | 1.63% | 1.68% | 1.64% |
| 2032 | 1.44% | 1.39% | 1.44% | 1.54% | 1.54% | 1.54% | 1.62% | 1.66% | 1.63% |
| 2033 | 1.45% | 1.40% | 1.45% | 1.54% | 1.55% | 1.54% | 1.61% | 1.66% | 1.62% |
| 2034 | 1.46% | 1.43% | 1.46% | 1.54% | 1.54% | 1.54% | 1.60% | 1.65% | 1.61% |
| 2035 | 1.47% | 1.43% | 1.46% | 1.53% | 1.55% | 1.54% | 1.59% | 1.64% | 1.60% |
| 2036 | 1.47% | 1.46% | 1.47% | 1.53% | 1.56% | 1.54% | 1.59% | 1.63% | 1.59% |
| 2037 | 1.49% | 1.46% | 1.48% | 1.53% | 1.56% | 1.54% | 1.57% | 1.63% | 1.58% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 37.69% |
| Medium: | 33.16% |
| Low: | 28.44% |

**Cascade Natural Gas**
**2018 IRP Demand Forecast Summary Tables**

## System

Annual Requirements (Therms)

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 200,434,445 | 102,536,706 | 302,971,151 | 206,561,904 | 106,094,926 | 312,656,830 | 212,672,081 | 109,769,863 | 322,441,944 |
| 2019 | 202,273,481 | 103,474,380 | 305,747,860 | 209,781,920 | 107,840,911 | 317,622,831 | 217,199,154 | 112,287,936 | 329,487,090 |
| 2020 | 205,716,557 | 104,389,437 | 310,105,994 | 214,379,130 | 109,404,469 | 323,783,600 | 222,951,798 | 114,500,329 | 337,452,127 |
| 2021 | 206,817,152 | 105,588,261 | 312,405,413 | 216,362,718 | 111,210,115 | 327,572,833 | 225,859,893 | 116,988,622 | 342,848,515 |
| 2022 | 209,372,242 | 106,851,403 | 316,223,645 | 219,705,411 | 112,892,435 | 332,597,847 | 230,131,186 | 119,093,996 | 349,225,182 |
| 2023 | 211,965,976 | 108,222,331 | 320,188,306 | 223,149,605 | 114,721,912 | 337,871,517 | 234,322,258 | 121,320,927 | 355,643,185 |
| 2024 | 216,176,438 | 109,644,386 | 325,820,824 | 228,179,322 | 116,486,381 | 344,665,703 | 240,223,973 | 123,564,047 | 363,788,020 |
| 2025 | 217,765,488 | 111,016,122 | 328,781,610 | 230,336,316 | 118,411,764 | 348,748,080 | 243,023,955 | 125,922,001 | 368,945,956 |
| 2026 | 220,783,486 | 112,489,680 | 333,273,166 | 234,047,014 | 120,257,033 | 354,304,046 | 247,412,576 | 128,083,741 | 375,496,316 |
| 2027 | 223,857,296 | 114,084,216 | 337,941,513 | 237,689,156 | 122,246,340 | 359,935,495 | 251,652,172 | 130,363,559 | 382,015,731 |
| 2028 | 228,449,188 | 115,652,547 | 344,101,735 | 242,958,217 | 124,078,108 | 367,036,325 | 257,558,621 | 132,573,289 | 390,131,910 |
| 2029 | 230,332,621 | 117,283,811 | 347,616,431 | 245,300,664 | 126,077,854 | 371,378,518 | 260,348,120 | 134,871,180 | 395,219,300 |
| 2030 | 233,731,958 | 119,158,990 | 352,890,948 | 249,245,509 | 128,302,401 | 377,547,911 | 264,822,390 | 137,270,749 | 402,093,139 |
| 2031 | 237,054,962 | 121,061,950 | 358,116,912 | 253,183,942 | 130,427,723 | 383,611,665 | 269,333,073 | 139,643,169 | 408,976,241 |
| 2032 | 242,196,258 | 122,749,332 | 364,945,590 | 258,805,763 | 132,385,372 | 391,191,135 | 275,554,677 | 141,918,310 | 417,472,986 |
| 2033 | 244,202,283 | 124,548,237 | 368,750,520 | 261,233,943 | 134,460,099 | 395,694,041 | 278,335,936 | 144,370,172 | 422,706,108 |
| 2034 | 247,790,513 | 126,360,441 | 374,150,953 | 265,298,112 | 136,475,571 | 401,773,683 | 282,931,627 | 146,705,366 | 429,636,993 |
| 2035 | 251,617,967 | 128,218,243 | 379,836,209 | 269,500,093 | 138,587,192 | 408,087,286 | 287,600,866 | 149,052,236 | 436,653,102 |
| 2036 | 256,946,243 | 130,126,600 | 387,072,843 | 275,477,754 | 140,726,232 | 416,203,986 | 294,051,524 | 151,465,251 | 445,516,774 |
| 2037 | 259,204,386 | 132,071,877 | 391,276,263 | 278,026,355 | 142,852,039 | 420,878,394 | 296,955,675 | 153,743,158 | 450,698,833 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Heating | Baseload | Total | Heating | Baseload | Total | Heating | Baseload | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.92% | 0.91% | 0.92% | 1.56% | 1.65% | 1.59% | 2.13% | 2.29% | 2.18% |
| 2020 | 1.70% | 0.88% | 1.43% | 2.19% | 1.45% | 1.94% | 2.65% | 1.97% | 2.42% |
| 2021 | 0.54% | 1.15% | 0.74% | 0.93% | 1.65% | 1.17% | 1.30% | 2.17% | 1.60% |
| 2022 | 1.24% | 1.20% | 1.22% | 1.54% | 1.51% | 1.53% | 1.89% | 1.80% | 1.86% |
| 2023 | 1.24% | 1.28% | 1.25% | 1.57% | 1.62% | 1.59% | 1.82% | 1.87% | 1.84% |
| 2024 | 1.99% | 1.31% | 1.76% | 2.25% | 1.54% | 2.01% | 2.52% | 1.85% | 2.29% |
| 2025 | 0.74% | 1.25% | 0.91% | 0.95% | 1.65% | 1.18% | 1.17% | 1.91% | 1.42% |
| 2026 | 1.39% | 1.33% | 1.37% | 1.61% | 1.56% | 1.59% | 1.81% | 1.72% | 1.78% |
| 2027 | 1.39% | 1.42% | 1.40% | 1.56% | 1.65% | 1.59% | 1.71% | 1.78% | 1.74% |
| 2028 | 2.05% | 1.37% | 1.82% | 2.22% | 1.50% | 1.97% | 2.35% | 1.70% | 2.12% |
| 2029 | 0.82% | 1.41% | 1.02% | 0.96% | 1.61% | 1.18% | 1.08% | 1.73% | 1.30% |
| 2030 | 1.48% | 1.60% | 1.52% | 1.61% | 1.76% | 1.66% | 1.72% | 1.78% | 1.74% |
| 2031 | 1.42% | 1.60% | 1.48% | 1.58% | 1.66% | 1.61% | 1.70% | 1.73% | 1.71% |
| 2032 | 2.17% | 1.39% | 1.91% | 2.22% | 1.50% | 1.98% | 2.31% | 1.63% | 2.08% |
| 2033 | 0.83% | 1.47% | 1.04% | 0.94% | 1.57% | 1.15% | 1.01% | 1.73% | 1.25% |
| 2034 | 1.47% | 1.46% | 1.46% | 1.56% | 1.50% | 1.54% | 1.65% | 1.62% | 1.64% |
| 2035 | 1.54% | 1.47% | 1.52% | 1.58% | 1.55% | 1.57% | 1.65% | 1.60% | 1.63% |
| 2036 | 2.12% | 1.49% | 1.91% | 2.22% | 1.54% | 1.99% | 2.24% | 1.62% | 2.03% |
| 2037 | 0.88% | 1.49% | 1.09% | 0.93% | 1.51% | 1.12% | 0.99% | 1.50% | 1.16% |

Peak Day - Baseload

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total | Daily Baseload | Peak | Total |
| 2018 | 280,922 | 2,983,785 | 3,264,707 | 290,671 | 3,024,072 | 3,314,743 | 300,739 | 3,064,477 | 3,365,216 |
| 2019 | 283,491 | 3,033,381 | 3,316,873 | 295,455 | 3,072,253 | 3,367,708 | 307,638 | 3,111,349 | 3,418,987 |
| 2020 | 285,998 | 3,082,442 | 3,368,441 | 299,738 | 3,120,328 | 3,420,066 | 313,700 | 3,158,444 | 3,472,143 |
| 2021 | 289,283 | 3,133,063 | 3,422,346 | 304,685 | 3,170,113 | 3,474,798 | 320,517 | 3,207,192 | 3,527,708 |
| 2022 | 292,744 | 3,183,668 | 3,476,412 | 309,294 | 3,220,398 | 3,529,692 | 326,285 | 3,257,153 | 3,583,438 |
| 2023 | 296,500 | 3,235,568 | 3,532,067 | 314,307 | 3,271,894 | 3,586,201 | 332,386 | 3,308,421 | 3,640,807 |
| 2024 | 300,396 | 3,288,546 | 3,588,941 | 319,141 | 3,324,805 | 3,643,946 | 338,532 | 3,360,901 | 3,699,432 |
| 2025 | 304,154 | 3,342,205 | 3,646,359 | 324,416 | 3,377,828 | 3,702,244 | 344,992 | 3,413,626 | 3,758,617 |
| 2026 | 308,191 | 3,397,359 | 3,705,550 | 329,471 | 3,432,871 | 3,762,342 | 350,914 | 3,468,716 | 3,819,631 |
| 2027 | 312,559 | 3,451,913 | 3,764,473 | 334,921 | 3,487,247 | 3,822,168 | 357,160 | 3,523,207 | 3,880,368 |
| 2028 | 316,856 | 3,508,234 | 3,825,090 | 339,940 | 3,543,774 | 3,883,714 | 363,214 | 3,579,636 | 3,942,851 |
| 2029 | 321,326 | 3,564,863 | 3,886,188 | 345,419 | 3,600,330 | 3,945,749 | 369,510 | 3,636,320 | 4,005,830 |
| 2030 | 326,463 | 3,624,332 | 3,950,795 | 351,513 | 3,659,833 | 4,011,346 | 376,084 | 3,696,342 | 4,072,426 |
| 2031 | 331,677 | 3,682,081 | 4,013,757 | 357,336 | 3,717,937 | 4,075,273 | 382,584 | 3,754,743 | 4,137,327 |
| 2032 | 336,300 | 3,741,475 | 4,077,774 | 362,700 | 3,777,572 | 4,140,271 | 388,817 | 3,814,498 | 4,203,315 |
| 2033 | 341,228 | 3,802,143 | 4,143,371 | 368,384 | 3,838,490 | 4,206,873 | 395,535 | 3,875,396 | 4,270,931 |
| 2034 | 346,193 | 3,861,504 | 4,207,697 | 373,906 | 3,898,280 | 4,272,186 | 401,933 | 3,935,305 | 4,337,238 |
| 2035 | 351,283 | 3,922,824 | 4,274,107 | 379,691 | 3,959,922 | 4,339,613 | 408,362 | 3,997,329 | 4,405,692 |
| 2036 | 356,511 | 3,985,072 | 4,341,583 | 385,551 | 4,022,572 | 4,408,123 | 414,973 | 4,060,272 | 4,475,245 |
| 2037 | 361,841 | 4,046,936 | 4,408,777 | 391,375 | 4,084,971 | 4,476,347 | 421,214 | 4,123,294 | 4,544,508 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Base | Peak | Total | Base | Peak | Total | Base | Peak | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 0.91% | 1.66% | 1.60% | 1.65% | 1.59% | 1.60% | 2.29% | 1.53% | 1.60% |
| 2020 | 0.88% | 1.62% | 1.55% | 1.45% | 1.56% | 1.55% | 1.97% | 1.51% | 1.55% |
| 2021 | 1.15% | 1.64% | 1.60% | 1.65% | 1.60% | 1.60% | 2.17% | 1.54% | 1.60% |
| 2022 | 1.20% | 1.62% | 1.58% | 1.51% | 1.59% | 1.58% | 1.80% | 1.56% | 1.58% |
| 2023 | 1.28% | 1.63% | 1.60% | 1.62% | 1.60% | 1.60% | 1.87% | 1.57% | 1.60% |
| 2024 | 1.31% | 1.64% | 1.61% | 1.54% | 1.62% | 1.61% | 1.85% | 1.59% | 1.61% |
| 2025 | 1.25% | 1.63% | 1.60% | 1.65% | 1.59% | 1.60% | 1.91% | 1.57% | 1.60% |
| 2026 | 1.33% | 1.65% | 1.62% | 1.56% | 1.63% | 1.62% | 1.72% | 1.61% | 1.62% |
| 2027 | 1.42% | 1.61% | 1.59% | 1.65% | 1.58% | 1.59% | 1.78% | 1.57% | 1.59% |
| 2028 | 1.37% | 1.63% | 1.61% | 1.50% | 1.62% | 1.61% | 1.70% | 1.60% | 1.61% |
| 2029 | 1.41% | 1.61% | 1.60% | 1.61% | 1.60% | 1.60% | 1.73% | 1.58% | 1.60% |
| 2030 | 1.60% | 1.67% | 1.66% | 1.76% | 1.65% | 1.66% | 1.78% | 1.65% | 1.66% |
| 2031 | 1.60% | 1.59% | 1.59% | 1.66% | 1.59% | 1.59% | 1.73% | 1.58% | 1.59% |
| 2032 | 1.39% | 1.61% | 1.59% | 1.50% | 1.60% | 1.59% | 1.63% | 1.59% | 1.59% |
| 2033 | 1.47% | 1.62% | 1.61% | 1.57% | 1.61% | 1.61% | 1.73% | 1.60% | 1.61% |
| 2034 | 1.46% | 1.56% | 1.55% | 1.50% | 1.56% | 1.55% | 1.62% | 1.55% | 1.55% |
| 2035 | 1.47% | 1.59% | 1.58% | 1.55% | 1.58% | 1.58% | 1.60% | 1.58% | 1.58% |
| 2036 | 1.49% | 1.59% | 1.58% | 1.54% | 1.58% | 1.58% | 1.62% | 1.57% | 1.58% |
| 2037 | 1.49% | 1.55% | 1.55% | 1.51% | 1.55% | 1.55% | 1.50% | 1.55% | 1.55% |

Therms Usage by Class

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 161,179,471 | 141,791,680 | 302,971,151 | 165,986,093 | 146,670,738 | 312,656,830 | 170,783,588 | 151,658,355 | 322,441,944 |
| 2019 | 163,118,202 | 142,629,658 | 305,747,860 | 168,727,254 | 148,895,578 | 317,622,831 | 174,337,981 | 155,149,109 | 329,487,090 |
| 2020 | 165,941,908 | 144,164,086 | 310,105,994 | 172,252,494 | 151,531,106 | 323,783,600 | 178,549,942 | 158,902,185 | 337,452,127 |
| 2021 | 167,501,081 | 144,904,332 | 312,405,413 | 174,359,710 | 153,213,124 | 327,572,833 | 181,209,891 | 161,638,623 | 342,848,515 |
| 2022 | 169,876,718 | 146,346,927 | 316,223,645 | 177,239,297 | 155,358,550 | 332,597,847 | 184,613,113 | 164,612,069 | 349,225,182 |
| 2023 | 172,358,352 | 147,829,955 | 320,188,306 | 180,205,957 | 157,665,561 | 337,871,517 | 188,048,721 | 167,594,463 | 355,643,185 |
| 2024 | 175,708,989 | 150,111,835 | 325,820,824 | 184,021,578 | 160,644,125 | 344,665,703 | 192,343,639 | 171,444,381 | 363,788,020 |
| 2025 | 177,619,367 | 151,162,242 | 328,781,610 | 186,322,676 | 162,425,403 | 348,748,080 | 195,026,998 | 173,918,957 | 368,945,956 |
| 2026 | 180,361,133 | 152,912,034 | 333,273,166 | 189,455,250 | 164,848,797 | 354,304,046 | 198,549,787 | 176,946,529 | 375,496,316 |
| 2027 | 183,187,924 | 154,753,589 | 337,941,513 | 192,654,948 | 167,280,548 | 359,935,495 | 202,123,623 | 179,892,108 | 382,015,731 |
| 2028 | 186,836,884 | 157,264,852 | 344,101,735 | 196,701,735 | 170,334,590 | 367,036,325 | 206,568,348 | 183,563,562 | 390,131,910 |
| 2029 | 189,044,103 | 158,572,328 | 347,616,431 | 199,216,540 | 172,161,978 | 371,378,518 | 209,384,529 | 185,834,771 | 395,219,300 |
| 2030 | 192,073,344 | 160,817,603 | 352,890,948 | 202,575,074 | 174,972,837 | 377,547,911 | 213,076,566 | 189,016,573 | 402,093,139 |
| 2031 | 195,174,168 | 162,942,745 | 358,116,912 | 205,995,606 | 177,616,059 | 383,611,665 | 216,818,210 | 192,158,031 | 408,976,241 |
| 2032 | 199,169,303 | 165,776,287 | 364,945,590 | 210,350,444 | 180,840,691 | 391,191,135 | 221,531,527 | 195,941,459 | 417,472,986 |
| 2033 | 201,521,618 | 167,228,901 | 368,750,520 | 212,956,543 | 182,737,498 | 395,694,041 | 224,392,090 | 198,314,017 | 422,706,108 |
| 2034 | 204,786,284 | 169,364,669 | 374,150,953 | 216,520,186 | 185,253,497 | 401,773,683 | 228,254,730 | 201,382,263 | 429,636,993 |
| 2035 | 208,135,270 | 171,700,940 | 379,836,209 | 220,152,756 | 187,934,530 | 408,087,286 | 232,168,438 | 204,484,664 | 436,653,102 |
| 2036 | 212,425,125 | 174,647,718 | 387,072,843 | 224,776,913 | 191,427,073 | 416,203,986 | 237,126,687 | 208,390,087 | 445,516,774 |
| 2037 | 214,984,169 | 176,292,093 | 391,276,263 | 227,524,569 | 193,353,825 | 420,878,394 | 240,065,646 | 210,633,187 | 450,698,833 |

Annual Change

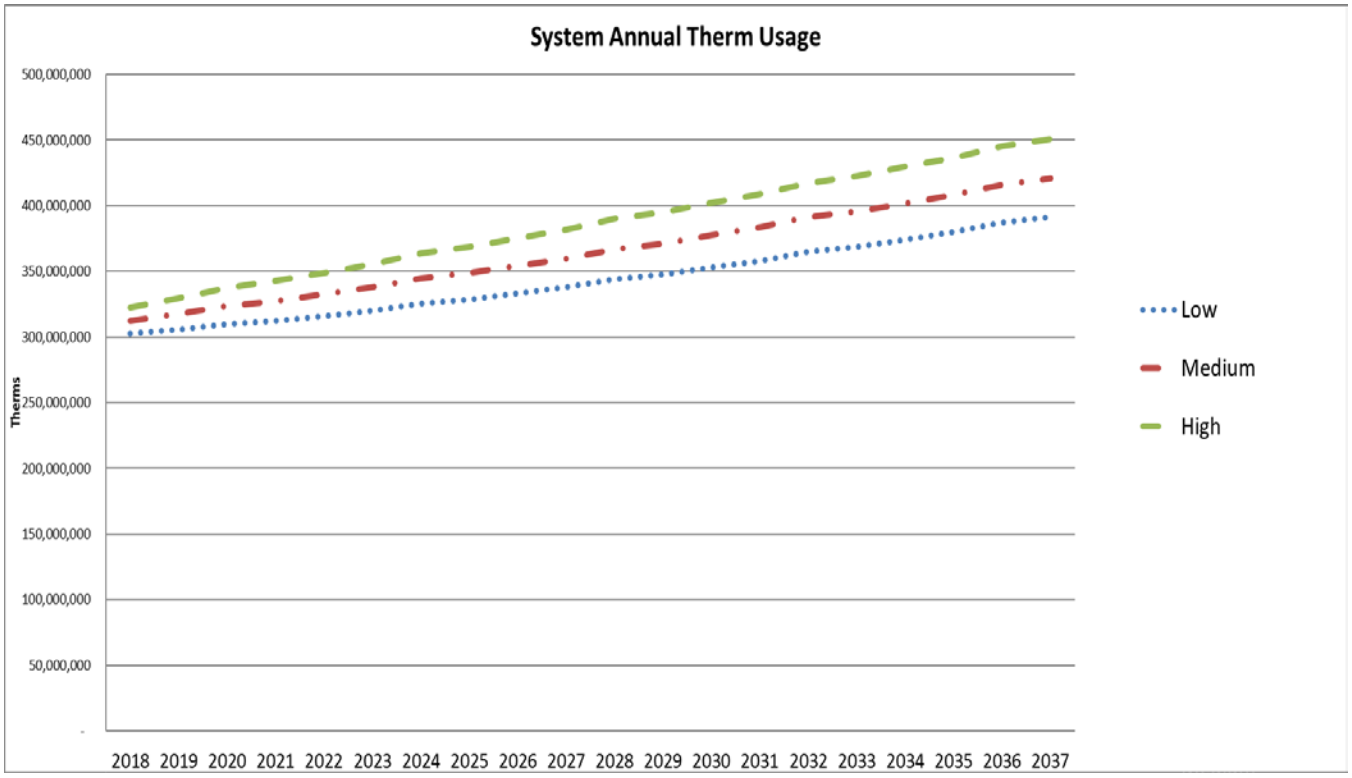
| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.20% | 0.59% | 0.92% | 1.65% | 1.52% | 1.59% | 2.08% | 2.30% | 2.18% |
| 2020 | 1.73% | 1.08% | 1.43% | 2.09% | 1.77% | 1.94% | 2.42% | 2.42% | 2.42% |
| 2021 | 0.94% | 0.51% | 0.74% | 1.22% | 1.11% | 1.17% | 1.49% | 1.72% | 1.60% |
| 2022 | 1.42% | 1.00% | 1.22% | 1.65% | 1.40% | 1.53% | 1.88% | 1.84% | 1.86% |
| 2023 | 1.46% | 1.01% | 1.25% | 1.67% | 1.48% | 1.59% | 1.86% | 1.81% | 1.84% |
| 2024 | 1.94% | 1.54% | 1.76% | 2.12% | 1.89% | 2.01% | 2.28% | 2.30% | 2.29% |
| 2025 | 1.09% | 0.70% | 0.91% | 1.25% | 1.11% | 1.18% | 1.40% | 1.44% | 1.42% |
| 2026 | 1.54% | 1.16% | 1.37% | 1.68% | 1.49% | 1.59% | 1.81% | 1.74% | 1.78% |
| 2027 | 1.57% | 1.20% | 1.40% | 1.69% | 1.48% | 1.59% | 1.80% | 1.66% | 1.74% |
| 2028 | 1.99% | 1.62% | 1.82% | 2.10% | 1.83% | 1.97% | 2.20% | 2.04% | 2.12% |
| 2029 | 1.18% | 0.83% | 1.02% | 1.28% | 1.07% | 1.18% | 1.36% | 1.24% | 1.30% |
| 2030 | 1.60% | 1.42% | 1.52% | 1.69% | 1.63% | 1.66% | 1.76% | 1.71% | 1.74% |
| 2031 | 1.61% | 1.32% | 1.48% | 1.69% | 1.51% | 1.61% | 1.76% | 1.66% | 1.71% |
| 2032 | 2.05% | 1.74% | 1.91% | 2.11% | 1.82% | 1.98% | 2.17% | 1.97% | 2.08% |
| 2033 | 1.18% | 0.88% | 1.04% | 1.24% | 1.05% | 1.15% | 1.29% | 1.21% | 1.25% |
| 2034 | 1.62% | 1.28% | 1.46% | 1.67% | 1.38% | 1.54% | 1.72% | 1.55% | 1.64% |
| 2035 | 1.64% | 1.38% | 1.52% | 1.68% | 1.45% | 1.57% | 1.71% | 1.54% | 1.63% |
| 2036 | 2.06% | 1.72% | 1.91% | 2.10% | 1.86% | 1.99% | 2.14% | 1.91% | 2.03% |
| 2037 | 1.20% | 0.94% | 1.09% | 1.22% | 1.01% | 1.12% | 1.24% | 1.08% | 1.16% |

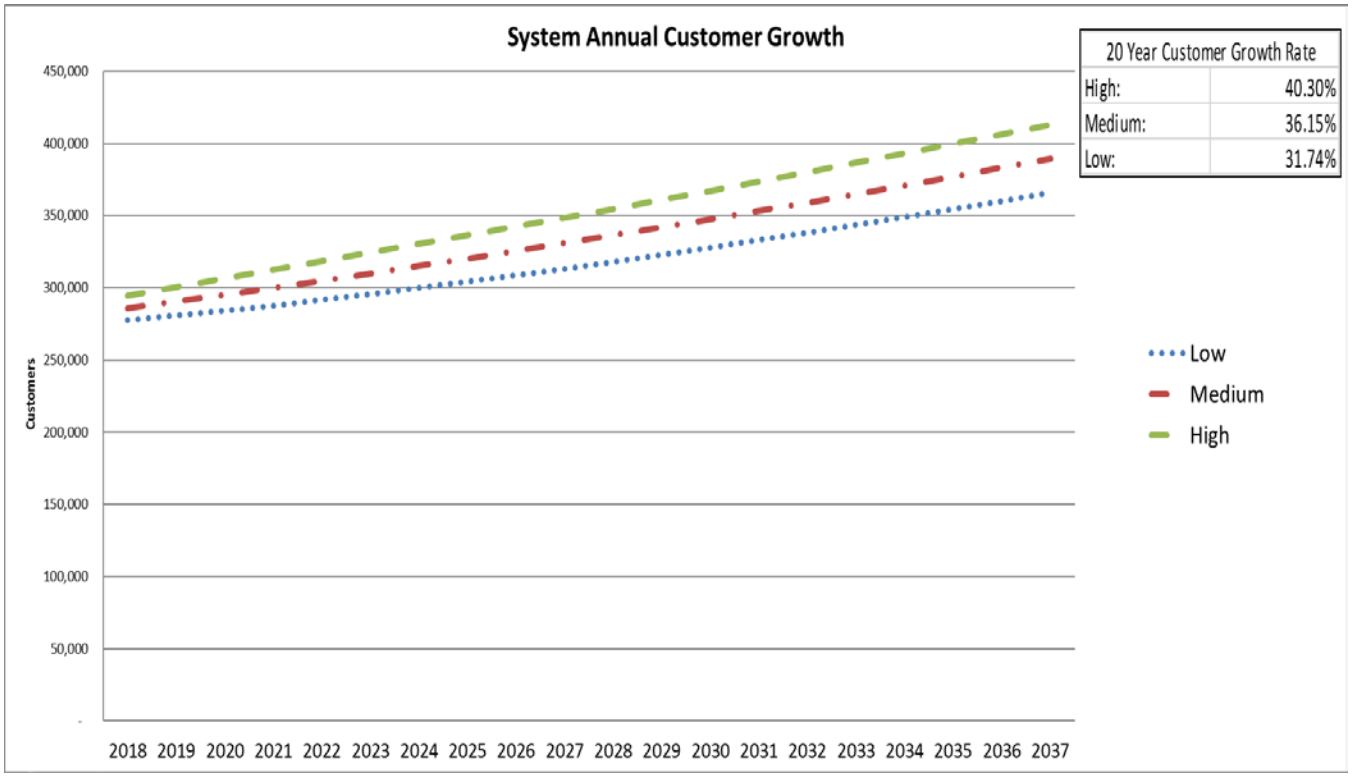
Customer Count Forecast

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 241,904 | 35,788 | 277,693 | 249,170 | 36,875 | 286,045 | 256,431 | 37,962 | 294,393 |
| 2019 | 244,706 | 35,994 | 280,700 | 253,251 | 37,385 | 290,636 | 261,794 | 38,777 | 300,571 |
| 2020 | 247,812 | 36,263 | 284,075 | 257,414 | 37,902 | 295,317 | 267,019 | 39,545 | 306,564 |
| 2021 | 251,151 | 36,573 | 287,724 | 261,674 | 38,434 | 300,108 | 272,197 | 40,293 | 312,490 |
| 2022 | 254,670 | 36,919 | 291,589 | 266,018 | 38,971 | 304,989 | 277,368 | 41,026 | 318,394 |
| 2023 | 258,344 | 37,289 | 295,633 | 270,452 | 39,520 | 309,972 | 282,558 | 41,750 | 324,308 |
| 2024 | 262,163 | 37,681 | 299,844 | 274,975 | 40,078 | 315,053 | 287,785 | 42,478 | 330,263 |
| 2025 | 266,111 | 38,093 | 304,204 | 279,584 | 40,647 | 320,230 | 293,058 | 43,207 | 336,265 |
| 2026 | 270,181 | 38,523 | 308,703 | 284,281 | 41,224 | 325,505 | 298,379 | 43,929 | 342,308 |
| 2027 | 274,368 | 38,971 | 313,338 | 289,063 | 41,811 | 330,874 | 303,760 | 44,655 | 348,415 |
| 2028 | 278,665 | 39,430 | 318,094 | 293,930 | 42,404 | 336,334 | 309,197 | 45,381 | 354,578 |
| 2029 | 283,069 | 39,906 | 322,975 | 298,888 | 43,008 | 341,896 | 314,701 | 46,112 | 360,813 |
| 2030 | 287,579 | 40,399 | 327,979 | 303,926 | 43,621 | 347,547 | 320,271 | 46,844 | 367,115 |
| 2031 | 292,186 | 40,897 | 333,083 | 309,043 | 44,242 | 353,285 | 325,899 | 47,587 | 373,486 |
| 2032 | 296,881 | 41,412 | 338,292 | 314,233 | 44,869 | 359,103 | 331,587 | 48,328 | 379,915 |
| 2033 | 301,668 | 41,936 | 343,604 | 319,503 | 45,506 | 365,009 | 337,336 | 49,074 | 386,411 |
| 2034 | 306,542 | 42,472 | 349,015 | 324,843 | 46,145 | 370,988 | 343,148 | 49,826 | 392,974 |
| 2035 | 311,503 | 43,018 | 354,521 | 330,260 | 46,795 | 377,055 | 349,019 | 50,580 | 399,600 |
| 2036 | 316,549 | 43,576 | 360,125 | 335,751 | 47,454 | 383,205 | 354,957 | 51,339 | 406,296 |
| 2037 | 321,699 | 44,140 | 365,840 | 341,318 | 48,120 | 389,438 | 360,933 | 52,101 | 413,034 |

Annual Change

| | Low | | | Medium | | | High | | |
|---|---|---|---|---|---|---|---|---|---|
| | Res | Com/Ind | Total | Res | Com/Ind | Total | Res | Com/Ind | Total |
| 2018 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% |
| 2019 | 1.16% | 0.57% | 1.08% | 1.64% | 1.39% | 1.61% | 2.09% | 2.15% | 2.10% |
| 2020 | 1.27% | 0.75% | 1.20% | 1.64% | 1.38% | 1.61% | 2.00% | 1.98% | 1.99% |
| 2021 | 1.35% | 0.85% | 1.28% | 1.65% | 1.40% | 1.62% | 1.94% | 1.89% | 1.93% |
| 2022 | 1.40% | 0.95% | 1.34% | 1.66% | 1.40% | 1.63% | 1.90% | 1.82% | 1.89% |
| 2023 | 1.44% | 1.00% | 1.39% | 1.67% | 1.41% | 1.63% | 1.87% | 1.76% | 1.86% |
| 2024 | 1.48% | 1.05% | 1.42% | 1.67% | 1.41% | 1.64% | 1.85% | 1.74% | 1.84% |
| 2025 | 1.51% | 1.09% | 1.45% | 1.68% | 1.42% | 1.64% | 1.83% | 1.71% | 1.82% |
| 2026 | 1.53% | 1.13% | 1.48% | 1.68% | 1.42% | 1.65% | 1.82% | 1.67% | 1.80% |
| 2027 | 1.55% | 1.16% | 1.50% | 1.68% | 1.42% | 1.65% | 1.80% | 1.65% | 1.78% |
| 2028 | 1.57% | 1.18% | 1.52% | 1.68% | 1.42% | 1.65% | 1.79% | 1.63% | 1.77% |
| 2029 | 1.58% | 1.21% | 1.53% | 1.69% | 1.42% | 1.65% | 1.78% | 1.61% | 1.76% |
| 2030 | 1.59% | 1.24% | 1.55% | 1.69% | 1.43% | 1.65% | 1.77% | 1.59% | 1.75% |
| 2031 | 1.60% | 1.23% | 1.56% | 1.68% | 1.42% | 1.65% | 1.76% | 1.58% | 1.74% |
| 2032 | 1.61% | 1.26% | 1.56% | 1.68% | 1.42% | 1.65% | 1.75% | 1.56% | 1.72% |
| 2033 | 1.61% | 1.27% | 1.57% | 1.68% | 1.42% | 1.64% | 1.73% | 1.54% | 1.71% |
| 2034 | 1.62% | 1.28% | 1.57% | 1.67% | 1.41% | 1.64% | 1.72% | 1.53% | 1.70% |
| 2035 | 1.62% | 1.28% | 1.58% | 1.67% | 1.41% | 1.64% | 1.71% | 1.51% | 1.69% |
| 2036 | 1.62% | 1.30% | 1.58% | 1.66% | 1.41% | 1.63% | 1.70% | 1.50% | 1.68% |
| 2037 | 1.63% | 1.30% | 1.59% | 1.66% | 1.40% | 1.63% | 1.68% | 1.49% | 1.66% |




| 20 Year Customer Growth Rate | |
|---|---|
| High: | 40.30% |
| Medium: | 36.15% |
| Low: | 31.74% |

| Athena | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.25% | 1.70% | 0.98% | 1.44% | 1.49% | 1.91% | 1.15% | 1.54% | 1.67% |
| Residential Therms | 297,600 | 302,027 | 308,003 | 311,747 | 317,331 | 322,880 | 330,181 | 334,975 | 341,454 | 348,276 |
| Commercial Therms | 134,049 | 135,034 | 136,502 | 137,120 | 137,994 | 139,232 | 140,745 | 141,344 | 142,218 | 143,482 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 431,649 | 437,062 | 444,505 | 448,867 | 455,325 | 462,112 | 470,926 | 476,320 | 483,672 | 491,758 |
| Daily Baseload Therms | 185 | 188 | 190 | 192 | 195 | 198 | 202 | 205 | 208 | 212 |
| Peak Day Therms | 5,660 | 5,718 | 5,805 | 5,871 | 5,944 | 6,045 | 6,125 | 6,234 | 6,343 | 6,430 |
| Therms Per Residential Customer | 576 | 576 | 579 | 576 | 576 | 576 | 578 | 576 | 575 | 575 |
| Therms Per Commercial Customer | 2,117 | 2,115 | 2,127 | 2,118 | 2,118 | 2,118 | 2,127 | 2,118 | 2,117 | 2,115 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 516 | 524 | 532 | 541 | 551 | 561 | 571 | 582 | 593 | 605 |
| Commercial Customers | 63 | 64 | 64 | 65 | 65 | 66 | 66 | 67 | 67 | 68 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 580 | 588 | 597 | 606 | 616 | 626 | 637 | 649 | 661 | 673 |

| Baker | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.57% | 1.01% | 0.13% | 0.56% | 0.59% | 1.04% | 0.16% | 0.60% | 0.62% |
| Residential Therms | 2,100,835 | 2,119,049 | 2,146,833 | 2,155,996 | 2,174,639 | 2,193,675 | 2,222,933 | 2,232,680 | 2,252,352 | 2,272,479 |
| Commercial Therms | 1,483,270 | 1,485,741 | 1,494,827 | 1,490,538 | 1,492,797 | 1,495,784 | 1,505,367 | 1,501,960 | 1,504,948 | 1,508,650 |
| Industrial Therms | 55,823 | 55,823 | 56,009 | 55,823 | 55,811 | 55,811 | 56,009 | 55,823 | 55,823 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,639,928 | 3,660,613 | 3,697,670 | 3,702,356 | 3,723,247 | 3,745,270 | 3,784,310 | 3,790,464 | 3,813,123 | 3,836,952 |
| Daily Baseload Therms | 2,018 | 2,027 | 2,036 | 2,046 | 2,055 | 2,064 | 2,074 | 2,084 | 2,093 | 2,103 |
| Peak Day Therms | 40,522 | 40,760 | 40,999 | 41,244 | 41,490 | 41,735 | 41,988 | 42,241 | 42,500 | 42,753 |
| Therms Per Residential Customer | 634 | 634 | 637 | 634 | 634 | 634 | 637 | 634 | 634 | 634 |
| Therms Per Commercial Customer | 2,994 | 2,994 | 3,007 | 2,994 | 2,993 | 2,993 | 3,006 | 2,993 | 2,993 | 2,994 |
| Therms Per Industrial Customer | 27,911 | 27,911 | 28,005 | 27,911 | 27,905 | 27,905 | 28,005 | 27,911 | 27,911 | 27,911 |
| Residential Customers | 3,313 | 3,342 | 3,371 | 3,400 | 3,430 | 3,460 | 3,491 | 3,522 | 3,553 | 3,585 |
| Commercial Customers | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,810 | 3,840 | 3,870 | 3,900 | 3,931 | 3,962 | 3,994 | 4,026 | 4,058 | 4,091 |

| Umatilla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 6.06% | 6.09% | 5.08% | 0.52% | 5.20% | 5.31% | 0.15% | 4.69% | 4.52% |
| Residential Therms | 298,895 | 303,534 | 309,729 | 313,334 | 318,619 | 324,103 | 331,364 | 335,803 | 342,025 | 348,298 |
| Commercial Therms | 512,613 | 517,438 | 524,142 | 527,681 | 532,269 | 538,204 | 545,697 | 548,189 | 553,540 | 559,601 |
| Industrial Therms | 201,506 | 288,702 | 378,944 | 463,093 | 463,027 | 550,217 | 641,362 | 637,484 | 724,680 | 811,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 1,596,269 | 1,692,927 | 1,796,069 | 1,887,362 | 1,897,169 | 1,995,778 | 2,101,676 | 2,104,730 | 2,203,498 | 2,303,028 |
| Daily Baseload Therms | 2,440 | 2,623 | 2,802 | 2,985 | 2,998 | 3,177 | 3,361 | 3,374 | 3,558 | 3,742 |
| Peak Day Therms | 14,712 | 15,515 | 16,291 | 17,101 | 17,223 | 18,005 | 18,822 | 18,926 | 19,749 | 20,537 |
| Therms Per Residential Customer | 277 | 277 | 278 | 277 | 277 | 277 | 278 | 277 | 277 | 277 |
| Therms Per Commercial Customer | 3,202 | 3,204 | 3,214 | 3,203 | 3,203 | 3,204 | 3,213 | 3,201 | 3,201 | 3,201 |
| Therms Per Industrial Customer | 22,390 | 28,870 | 34,449 | 38,591 | 38,586 | 42,324 | 45,812 | 45,535 | 48,312 | 50,742 |
| Residential Customers | 1,079 | 1,096 | 1,113 | 1,131 | 1,151 | 1,171 | 1,191 | 1,213 | 1,236 | 1,259 |
| Commercial Customers | 160 | 162 | 163 | 165 | 166 | 168 | 170 | 171 | 173 | 175 |
| Industrial Customers | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 14 | 15 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,249 | 1,268 | 1,288 | 1,309 | 1,330 | 1,353 | 1,376 | 1,399 | 1,425 | 1,450 |

| Chemult | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.22% | 0.16% | -0.40% | 0.00% | 2.32% | 0.07% | -0.63% | 0.00% | 0.00% |
| Residential Therms | 10,879 | 10,714 | 10,638 | 10,592 | 10,592 | 10,434 | 10,304 | 10,147 | 10,147 | 10,147 |
| Commercial Therms | 39,070 | 39,346 | 39,502 | 39,346 | 39,346 | 40,663 | 40,826 | 40,663 | 40,663 | 40,663 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 49,949 | 50,060 | 50,140 | 49,938 | 49,938 | 51,096 | 51,130 | 50,810 | 50,810 | 50,810 |
| Daily Baseload Therms | 46 | 46 | 46 | 46 | 46 | 48 | 48 | 48 | 48 | 48 |
| Peak Day Therms | 434 | 430 | 430 | 430 | 446 | 446 | 442 | 442 | 442 | 442 |
| Therms Per Residential Customer | 447 | 446 | 449 | 448 | 448 | 447 | 450 | 448 | 448 | 448 |
| Therms Per Commercial Customer | 1,868 | 1,874 | 1,881 | 1,874 | 1,874 | 1,862 | 1,870 | 1,862 | 1,862 | 1,862 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 | 23 |
| Commercial Customers | 21 | 21 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 22 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |

| Gilchrist | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.72% | 0.27% | 0.20% | -0.41% | -0.31% | 0.07% | -0.82% | -0.15% | -0.19% |
| Residential Therms | 94,685 | 93,834 | 93,334 | 92,201 | 91,290 | 90,596 | 90,142 | 88,934 | 88,131 | 87,202 |
| Commercial Therms | 124,075 | 126,493 | 127,589 | 129,164 | 129,164 | 129,164 | 129,769 | 129,164 | 129,643 | 130,149 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 218,760 | 220,327 | 220,923 | 221,365 | 220,454 | 219,761 | 219,912 | 218,098 | 217,775 | 217,351 |
| Daily Baseload Therms | 134 | 135 | 135 | 136 | 136 | 135 | 135 | 134 | 134 | 133 |
| Peak Day Therms | 2,052 | 2,042 | 2,037 | 2,057 | 2,052 | 2,043 | 2,038 | 2,028 | 2,019 | 2,014 |
| Therms Per Residential Customer | 513 | 513 | 515 | 513 | 513 | 513 | 515 | 513 | 513 | 513 |
| Therms Per Commercial Customer | 3,154 | 3,156 | 3,176 | 3,150 | 3,150 | 3,150 | 3,165 | 3,150 | 3,156 | 3,162 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 185 | 183 | 181 | 180 | 178 | 177 | 175 | 174 | 172 | 170 |
| Commercial Customers | 39 | 40 | 40 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 224 | 223 | 221 | 221 | 219 | 218 | 216 | 215 | 213 | 211 |

| Hermiston | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.97% | 1.47% | 0.68% | 1.12% | 1.19% | 1.63% | 0.84% | 1.28% | 1.32% |
| Residential Therms | 2,394,232 | 2,430,492 | 2,479,875 | 2,509,883 | 2,552,919 | 2,598,527 | 2,658,389 | 2,696,707 | 2,749,004 | 2,803,583 |
| Commercial Therms | 2,942,440 | 2,960,330 | 2,992,861 | 3,002,267 | 3,023,373 | 3,046,515 | 3,081,657 | 3,094,123 | 3,118,859 | 3,144,963 |
| Industrial Therms | 223,529 | 223,529 | 224,354 | 223,529 | 223,499 | 223,499 | 224,354 | 223,529 | 223,529 | 223,529 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,560,200 | 5,614,351 | 5,697,090 | 5,735,680 | 5,799,790 | 5,868,541 | 5,964,400 | 6,014,359 | 6,091,391 | 6,172,075 |
| Daily Baseload Therms | 5,435 | 5,482 | 5,536 | 5,591 | 5,654 | 5,713 | 5,778 | 5,845 | 5,915 | 5,986 |
| Peak Day Therms | 66,042 | 66,688 | 67,413 | 68,216 | 69,004 | 69,863 | 70,706 | 71,620 | 72,604 | 73,573 |
| Therms Per Residential Customer | 645 | 645 | 648 | 645 | 645 | 645 | 647 | 644 | 644 | 644 |
| Therms Per Commercial Customer | 4,133 | 4,133 | 4,149 | 4,133 | 4,132 | 4,132 | 4,149 | 4,132 | 4,132 | 4,132 |
| Therms Per Industrial Customer | 27,941 | 27,941 | 28,044 | 27,941 | 27,937 | 27,937 | 28,044 | 27,941 | 27,941 | 27,941 |
| Residential Customers | 3,712 | 3,769 | 3,829 | 3,893 | 3,960 | 4,032 | 4,106 | 4,185 | 4,266 | 4,352 |
| Commercial Customers | 712 | 716 | 721 | 726 | 732 | 737 | 743 | 749 | 755 | 761 |
| Industrial Customers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,432 | 4,493 | 4,558 | 4,627 | 4,700 | 4,777 | 4,857 | 4,941 | 5,029 | 5,121 |

| Huntington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.50% | 1.14% | 0.03% | 0.69% | 0.51% | 1.07% | 0.04% | 0.59% | 0.71% |
| Residential Therms | 52,905 | 53,316 | 54,100 | 54,276 | 54,854 | 55,284 | 56,032 | 56,217 | 56,723 | 57,330 |
| Commercial Therms | 28,855 | 28,855 | 29,005 | 28,855 | 28,852 | 28,852 | 29,005 | 28,855 | 28,855 | 28,855 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 81,760 | 82,171 | 83,105 | 83,131 | 83,705 | 84,135 | 85,038 | 85,072 | 85,578 | 86,185 |
| Daily Baseload Therms | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Peak Day Therms | 1,202 | 1,207 | 1,219 | 1,225 | 1,231 | 1,237 | 1,243 | 1,249 | 1,261 | 1,267 |
| Therms Per Residential Customer | 409 | 409 | 411 | 408 | 409 | 409 | 411 | 409 | 408 | 409 |
| Therms Per Commercial Customer | 1,924 | 1,924 | 1,934 | 1,924 | 1,923 | 1,923 | 1,934 | 1,924 | 1,924 | 1,924 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 129 | 130 | 132 | 133 | 134 | 135 | 136 | 138 | 139 | 140 |
| Commercial Customers | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 144 | 145 | 147 | 148 | 149 | 150 | 151 | 153 | 154 | 155 |

| La Pine | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.05% | 2.35% | 1.43% | 1.95% | 1.85% | 2.27% | 1.30% | 1.78% | 1.88% |
| Residential Therms | 135,815 | 139,101 | 143,290 | 145,977 | 149,654 | 153,379 | 157,876 | 160,935 | 165,001 | 168,980 |
| Commercial Therms | 360,503 | 367,368 | 375,074 | 379,814 | 386,372 | 392,568 | 400,440 | 404,639 | 410,616 | 417,435 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 496,318 | 506,470 | 518,364 | 525,791 | 536,026 | 545,947 | 558,316 | 565,574 | 575,617 | 586,415 |
| Daily Baseload Therms | 408 | 415 | 423 | 432 | 440 | 447 | 455 | 465 | 472 | 480 |
| Peak Day Therms | 5,369 | 5,468 | 5,561 | 5,690 | 5,789 | 5,889 | 5,988 | 6,117 | 6,216 | 6,322 |
| Therms Per Residential Customer | 628 | 628 | 631 | 628 | 628 | 628 | 631 | 628 | 628 | 628 |
| Therms Per Commercial Customer | 2,768 | 2,767 | 2,780 | 2,767 | 2,766 | 2,766 | 2,781 | 2,767 | 2,767 | 2,768 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 216 | 222 | 227 | 233 | 238 | 244 | 250 | 256 | 263 | 269 |
| Commercial Customers | 130 | 133 | 135 | 137 | 140 | 142 | 144 | 146 | 148 | 151 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 347 | 354 | 362 | 370 | 378 | 386 | 394 | 403 | 411 | 420 |

| Madras | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.55% | 2.25% | 0.80% | 1.26% | 1.40% | 1.92% | 1.03% | 1.59% | 1.59% |
| Residential Therms | 645,673 | 662,861 | 684,929 | 702,270 | 724,140 | 748,052 | 777,494 | 801,156 | 830,125 | 860,782 |
| Commercial Therms | 1,121,262 | 1,135,383 | 1,155,893 | 1,166,433 | 1,181,573 | 1,199,191 | 1,222,536 | 1,235,287 | 1,255,558 | 1,274,957 |
| Industrial Therms | 979,310 | 1,018,431 | 1,039,617 | 1,034,879 | 1,034,692 | 1,034,692 | 1,039,617 | 1,034,879 | 1,034,879 | 1,034,879 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 2,767,181 | 2,837,611 | 2,901,376 | 2,924,518 | 2,961,343 | 3,002,872 | 3,060,585 | 3,092,259 | 3,141,499 | 3,191,554 |
| Daily Baseload Therms | 2,208 | 2,271 | 2,299 | 2,327 | 2,360 | 2,394 | 2,428 | 2,464 | 2,504 | 2,545 |
| Peak Day Therms | 30,940 | 31,929 | 32,348 | 32,754 | 33,205 | 33,679 | 34,179 | 34,691 | 35,259 | 35,840 |
| Therms Per Residential Customer | 538 | 538 | 540 | 538 | 537 | 537 | 540 | 537 | 537 | 537 |
| Therms Per Commercial Customer | 2,942 | 2,943 | 2,956 | 2,942 | 2,942 | 2,942 | 2,955 | 2,942 | 2,942 | 2,941 |
| Therms Per Industrial Customer | 54,406 | 54,076 | 54,717 | 54,467 | 54,457 | 54,457 | 54,717 | 54,467 | 54,467 | 54,467 |
| Residential Customers | 1,201 | 1,233 | 1,268 | 1,306 | 1,348 | 1,393 | 1,440 | 1,492 | 1,546 | 1,603 |
| Commercial Customers | 381 | 386 | 391 | 396 | 402 | 408 | 414 | 420 | 427 | 434 |
| Industrial Customers | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,601 | 1,638 | 1,679 | 1,723 | 1,769 | 1,820 | 1,874 | 1,932 | 1,993 | 2,057 |

| Milton-Freewater | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.67% | 1.32% | 0.53% | 0.84% | 0.85% | 1.53% | 0.60% | 1.04% | 1.05% |
| Residential Therms | 100,384 | 101,744 | 103,938 | 105,149 | 106,933 | 108,737 | 111,403 | 112,952 | 115,155 | 117,443 |
| Commercial Therms | 284,880 | 286,267 | 289,431 | 290,564 | 292,355 | 294,187 | 297,983 | 299,176 | 301,563 | 303,944 |
| Industrial Therms | 27,421 | 27,419 | 27,543 | 27,419 | 27,407 | 27,409 | 27,543 | 27,419 | 27,419 | 27,419 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 412,685 | 415,430 | 420,912 | 423,132 | 426,695 | 430,333 | 436,930 | 439,547 | 444,137 | 448,806 |
| Daily Baseload Therms | 391 | 395 | 399 | 400 | 404 | 408 | 412 | 416 | 417 | 421 |
| Peak Day Therms | 5,201 | 5,260 | 5,278 | 5,337 | 5,403 | 5,462 | 5,527 | 5,557 | 5,623 | 5,688 |
| Therms Per Residential Customer | 434 | 434 | 435 | 433 | 433 | 433 | 435 | 433 | 433 | 433 |
| Therms Per Commercial Customer | 2,839 | 2,841 | 2,852 | 2,839 | 2,836 | 2,840 | 2,852 | 2,838 | 2,838 | 2,836 |
| Therms Per Industrial Customer | 4,986 | 4,985 | 5,008 | 4,985 | 4,983 | 4,983 | 5,008 | 4,985 | 4,985 | 4,985 |
| Residential Customers | 231 | 235 | 239 | 243 | 247 | 251 | 256 | 261 | 266 | 271 |
| Commercial Customers | 100 | 101 | 102 | 102 | 103 | 104 | 105 | 105 | 106 | 107 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 337 | 341 | 346 | 350 | 355 | 360 | 366 | 372 | 378 | 384 |

| Mission Tap | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.40% | 1.21% | 0.05% | 1.48% | 1.08% | 1.12% | 0.85% | 1.12% | 0.77% |
| Residential Therms | 121,110 | 123,036 | 125,405 | 126,996 | 129,247 | 131,540 | 134,467 | 136,461 | 139,093 | 141,827 |
| Commercial Therms | 351,961 | 356,636 | 360,058 | 358,689 | 363,609 | 366,660 | 369,303 | 371,580 | 374,631 | 375,874 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 473,071 | 479,672 | 485,463 | 485,685 | 492,856 | 498,200 | 503,770 | 508,041 | 513,724 | 517,701 |
| Daily Baseload Therms | 457 | 458 | 468 | 470 | 472 | 482 | 484 | 486 | 497 | 499 |
| Peak Day Therms | 5,532 | 5,644 | 5,671 | 5,699 | 5,817 | 5,844 | 5,871 | 5,997 | 6,031 | 6,156 |
| Therms Per Residential Customer | 551 | 551 | 553 | 551 | 551 | 551 | 553 | 551 | 551 | 551 |
| Therms Per Commercial Customer | 7,984 | 7,984 | 8,001 | 7,971 | 7,977 | 7,971 | 8,014 | 7,977 | 7,971 | 7,983 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 220 | 223 | 227 | 231 | 235 | 239 | 243 | 248 | 253 | 258 |
| Commercial Customers | 44 | 45 | 45 | 45 | 46 | 46 | 46 | 47 | 47 | 47 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 264 | 268 | 272 | 276 | 280 | 285 | 289 | 294 | 300 | 305 |

| Nyssa-Ontario | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.69% | 2.72% | 1.21% | 2.12% | 1.61% | 2.47% | 1.25% | 2.18% | 1.51% |
| Residential Therms | 1,847,093 | 1,848,868 | 1,859,694 | 1,852,253 | 1,853,918 | 1,856,231 | 1,868,262 | 1,861,545 | 1,864,465 | 1,867,355 |
| Commercial Therms | 2,386,184 | 2,398,974 | 2,422,628 | 2,425,006 | 2,437,794 | 2,452,364 | 2,478,072 | 2,481,444 | 2,497,062 | 2,512,681 |
| Industrial Therms | 518,733 | 604,332 | 734,071 | 814,046 | 932,569 | 1,018,883 | 1,142,011 | 1,229,108 | 1,357,621 | 1,443,188 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 5,940,244 | 6,040,408 | 6,204,628 | 6,279,540 | 6,412,515 | 6,515,712 | 6,676,579 | 6,760,331 | 6,907,382 | 7,011,458 |
| Daily Baseload Therms | 6,265 | 6,554 | 6,705 | 6,994 | 7,145 | 7,436 | 7,588 | 7,879 | 8,033 | 8,325 |
| Peak Day Therms | 70,079 | 70,931 | 72,475 | 73,339 | 74,883 | 75,786 | 77,368 | 78,239 | 79,827 | 80,736 |
| Therms Per Residential Customer | 511 | 511 | 514 | 511 | 511 | 511 | 514 | 511 | 511 | 511 |
| Therms Per Commercial Customer | 2,612 | 2,612 | 2,624 | 2,612 | 2,611 | 2,611 | 2,624 | 2,612 | 2,612 | 2,611 |
| Therms Per Industrial Customer | 21,318 | 23,545 | 26,856 | 28,397 | 30,829 | 32,260 | 34,432 | 35,540 | 37,366 | 38,315 |
| Residential Customers | 3,614 | 3,618 | 3,621 | 3,625 | 3,629 | 3,633 | 3,638 | 3,643 | 3,649 | 3,655 |
| Commercial Customers | 914 | 918 | 923 | 928 | 934 | 939 | 945 | 950 | 956 | 962 |
| Industrial Customers | 24 | 26 | 27 | 29 | 30 | 32 | 33 | 35 | 36 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,553 | 4,563 | 4,573 | 4,583 | 4,593 | 4,605 | 4,617 | 4,629 | 4,642 | 4,655 |

| Pendleton | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.95% | 1.42% | 0.62% | 1.08% | 1.14% | 1.60% | 0.78% | 1.24% | 1.27% |
| Residential Therms | 2,842,996 | 2,886,016 | 2,944,789 | 2,980,549 | 3,031,595 | 3,085,691 | 3,156,759 | 3,202,135 | 3,264,265 | 3,328,811 |
| Commercial Therms | 2,471,453 | 2,487,520 | 2,514,781 | 2,521,305 | 2,539,631 | 2,558,991 | 2,589,308 | 2,598,772 | 2,619,828 | 2,641,524 |
| Industrial Therms | 265,367 | 265,367 | 268,331 | 265,367 | 265,249 | 265,249 | 268,331 | 265,367 | 265,367 | 265,367 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 6,205,858 | 6,264,946 | 6,353,944 | 6,393,264 | 6,462,517 | 6,535,973 | 6,640,441 | 6,692,316 | 6,775,502 | 6,861,745 |
| Daily Baseload Therms | 5,515 | 5,557 | 5,600 | 5,649 | 5,695 | 5,747 | 5,800 | 5,858 | 5,914 | 5,975 |
| Peak Day Therms | 76,876 | 77,656 | 78,480 | 79,374 | 80,298 | 81,266 | 82,265 | 83,300 | 84,412 | 85,555 |
| Therms Per Residential Customer | 571 | 571 | 573 | 571 | 570 | 570 | 573 | 570 | 570 | 570 |
| Therms Per Commercial Customer | 3,238 | 3,238 | 3,251 | 3,238 | 3,237 | 3,237 | 3,251 | 3,237 | 3,237 | 3,237 |
| Therms Per Industrial Customer | 37,910 | 37,910 | 38,333 | 37,910 | 37,893 | 37,893 | 38,333 | 37,910 | 37,910 | 37,910 |
| Residential Customers | 4,980 | 5,056 | 5,137 | 5,223 | 5,314 | 5,410 | 5,510 | 5,615 | 5,724 | 5,838 |
| Commercial Customers | 763 | 768 | 774 | 779 | 785 | 791 | 797 | 803 | 809 | 816 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 5,752 | 5,833 | 5,919 | 6,010 | 6,107 | 6,208 | 6,314 | 6,425 | 6,542 | 6,662 |

| Prineville | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.12% | 2.52% | 1.59% | 1.96% | 1.94% | 2.41% | 1.42% | 1.85% | 1.81% |
| Residential Therms | 1,248,910 | 1,271,754 | 1,300,580 | 1,317,166 | 1,339,538 | 1,362,241 | 1,392,048 | 1,408,145 | 1,430,873 | 1,453,640 |
| Commercial Therms | 1,512,294 | 1,542,813 | 1,579,949 | 1,604,255 | 1,634,342 | 1,664,664 | 1,703,314 | 1,726,445 | 1,757,115 | 1,787,709 |
| Industrial Therms | 620,708 | 638,964 | 660,057 | 675,476 | 693,499 | 711,749 | 733,396 | 748,501 | 766,757 | 785,013 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,381,912 | 3,453,531 | 3,540,586 | 3,596,897 | 3,667,379 | 3,738,655 | 3,828,759 | 3,883,091 | 3,954,745 | 4,026,363 |
| Daily Baseload Therms | 2,539 | 2,595 | 2,654 | 2,713 | 2,770 | 2,828 | 2,885 | 2,944 | 3,003 | 3,059 |
| Peak Day Therms | 36,961 | 37,668 | 38,405 | 39,112 | 39,849 | 40,592 | 41,300 | 42,036 | 42,779 | 43,481 |
| Therms Per Residential Customer | 511 | 511 | 514 | 511 | 511 | 511 | 513 | 511 | 511 | 511 |
| Therms Per Commercial Customer | 2,896 | 2,895 | 2,908 | 2,895 | 2,894 | 2,894 | 2,907 | 2,895 | 2,894 | 2,894 |
| Therms Per Industrial Customer | 18,256 | 18,256 | 18,335 | 18,256 | 18,250 | 18,250 | 18,335 | 18,256 | 18,256 | 18,256 |
| Residential Customers | 2,442 | 2,487 | 2,532 | 2,577 | 2,622 | 2,666 | 2,711 | 2,756 | 2,800 | 2,845 |
| Commercial Customers | 522 | 533 | 543 | 554 | 565 | 575 | 586 | 596 | 607 | 618 |
| Industrial Customers | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,999 | 3,055 | 3,111 | 3,168 | 3,224 | 3,280 | 3,337 | 3,393 | 3,450 | 3,506 |

| Redmond | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.30% | 2.68% | 1.91% | 2.05% | 2.26% | 2.48% | 1.83% | 2.17% | 1.91% |
| Residential Therms | 4,456,862 | 4,569,641 | 4,705,344 | 4,800,778 | 4,918,868 | 5,039,784 | 5,187,108 | 5,288,672 | 5,415,686 | 5,544,442 |
| Commercial Therms | 3,363,258 | 3,423,154 | 3,498,167 | 3,542,301 | 3,600,841 | 3,659,005 | 3,734,303 | 3,775,618 | 3,830,611 | 3,885,844 |
| Industrial Therms | 651,007 | 673,228 | 695,164 | 725,555 | 734,563 | 764,876 | 776,784 | 811,292 | 843,932 | 853,070 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 8,471,127 | 8,666,023 | 8,898,675 | 9,068,635 | 9,254,272 | 9,463,665 | 9,698,195 | 9,875,582 | 10,090,229 | 10,283,356 |
| Daily Baseload Therms | 7,108 | 7,310 | 7,513 | 7,646 | 7,852 | 7,984 | 8,191 | 8,329 | 8,536 | 8,744 |
| Peak Day Therms | 100,300 | 102,703 | 104,771 | 107,262 | 109,383 | 111,852 | 114,034 | 116,583 | 119,095 | 121,304 |
| Therms Per Residential Customer | 623 | 623 | 625 | 623 | 623 | 622 | 625 | 623 | 623 | 623 |
| Therms Per Commercial Customer | 2,848 | 2,848 | 2,860 | 2,848 | 2,847 | 2,847 | 2,860 | 2,847 | 2,847 | 2,847 |
| Therms Per Industrial Customer | 39,455 | 39,408 | 39,535 | 39,397 | 39,352 | 39,393 | 39,497 | 39,415 | 39,405 | 39,372 |
| Residential Customers | 7,158 | 7,339 | 7,523 | 7,711 | 7,902 | 8,096 | 8,294 | 8,495 | 8,699 | 8,906 |
| Commercial Customers | 1,181 | 1,202 | 1,223 | 1,244 | 1,265 | 1,285 | 1,306 | 1,326 | 1,345 | 1,365 |
| Industrial Customers | 17 | 17 | 18 | 18 | 19 | 19 | 20 | 21 | 21 | 22 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 8,356 | 8,558 | 8,764 | 8,973 | 9,185 | 9,401 | 9,620 | 9,842 | 10,066 | 10,293 |

| Stanfield | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.42% | 1.99% | 0.72% | 1.22% | 1.77% | 2.04% | 0.87% | 1.55% | 2.02% |
| Residential Therms | 156,341 | 158,751 | 162,036 | 163,852 | 166,684 | 169,716 | 173,566 | 176,017 | 179,368 | 183,127 |
| Commercial Therms | 67,181 | 67,947 | 69,174 | 69,029 | 69,029 | 70,165 | 71,211 | 70,878 | 71,366 | 72,664 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 223,521 | 226,698 | 231,210 | 232,881 | 235,714 | 239,882 | 244,776 | 246,896 | 250,734 | 255,791 |
| Daily Baseload Therms | 142 | 144 | 147 | 148 | 150 | 151 | 155 | 157 | 158 | 162 |
| Peak Day Therms | 2,975 | 3,031 | 3,063 | 3,102 | 3,141 | 3,203 | 3,242 | 3,287 | 3,356 | 3,408 |
| Therms Per Residential Customer | 492 | 492 | 494 | 492 | 492 | 492 | 494 | 491 | 491 | 492 |
| Therms Per Commercial Customer | 1,841 | 1,841 | 1,853 | 1,841 | 1,841 | 1,842 | 1,850 | 1,841 | 1,838 | 1,843 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 318 | 323 | 328 | 333 | 339 | 345 | 352 | 358 | 365 | 373 |
| Commercial Customers | 37 | 37 | 37 | 38 | 38 | 38 | 39 | 39 | 39 | 39 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 354 | 360 | 365 | 371 | 376 | 383 | 390 | 397 | 404 | 412 |

| Stearns (Sunriver) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.42% | 2.90% | 1.95% | 2.27% | 2.24% | 2.64% | 1.77% | 2.22% | 2.23% |
| Residential Therms | 3,666,052 | 3,758,870 | 3,870,621 | 3,949,745 | 4,048,048 | 4,147,762 | 4,267,740 | 4,352,232 | 4,457,289 | 4,563,779 |
| Commercial Therms | 1,087,388 | 1,106,967 | 1,131,328 | 1,147,108 | 1,166,140 | 1,184,643 | 1,207,053 | 1,220,499 | 1,238,896 | 1,256,829 |
| Industrial Therms | 47,673 | 51,443 | 57,967 | 61,688 | 61,688 | 61,688 | 61,877 | 61,688 | 63,095 | 66,865 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,801,113 | 4,917,281 | 5,059,916 | 5,158,541 | 5,275,876 | 5,394,093 | 5,536,671 | 5,634,418 | 5,759,280 | 5,887,474 |
| Daily Baseload Therms | 5,190 | 5,311 | 5,467 | 5,582 | 5,699 | 5,816 | 5,936 | 6,057 | 6,170 | 6,293 |
| Peak Day Therms | 49,012 | 50,167 | 51,343 | 52,631 | 53,840 | 55,069 | 56,310 | 57,572 | 58,855 | 60,110 |
| Therms Per Residential Customer | 988 | 988 | 993 | 988 | 988 | 988 | 992 | 988 | 988 | 988 |
| Therms Per Commercial Customer | 4,750 | 4,749 | 4,765 | 4,750 | 4,750 | 4,750 | 4,765 | 4,749 | 4,750 | 4,750 |
| Therms Per Industrial Customer | 15,462 | 15,433 | 15,458 | 15,422 | 15,422 | 15,422 | 15,469 | 15,422 | 15,452 | 15,430 |
| Residential Customers | 3,710 | 3,804 | 3,900 | 3,997 | 4,096 | 4,197 | 4,300 | 4,405 | 4,511 | 4,619 |
| Commercial Customers | 229 | 233 | 237 | 242 | 246 | 249 | 253 | 257 | 261 | 265 |
| Industrial Customers | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,942 | 4,040 | 4,141 | 4,242 | 4,346 | 4,451 | 4,557 | 4,666 | 4,776 | 4,888 |

| Pronghorn | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.38% | 2.04% | 3.13% | 1.63% | 1.39% | 2.92% | 0.79% | 1.35% | 2.35% |
| Residential Therms | 347,423 | 354,794 | 363,602 | 369,996 | 377,175 | 384,699 | 394,424 | 400,438 | 408,160 | 415,835 |
| Commercial Therms | 232,572 | 233,201 | 236,388 | 248,802 | 251,738 | 252,948 | 261,837 | 260,980 | 262,190 | 270,240 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 579,994 | 587,995 | 599,990 | 618,798 | 628,912 | 637,648 | 656,262 | 661,418 | 670,350 | 686,075 |
| Daily Baseload Therms | 875 | 886 | 896 | 921 | 948 | 959 | 986 | 997 | 1,005 | 1,034 |
| Peak Day Therms | 5,884 | 5,951 | 6,035 | 6,279 | 6,363 | 6,510 | 6,610 | 6,677 | 6,858 | 6,925 |
| Therms Per Residential Customer | 1,598 | 1,597 | 1,604 | 1,598 | 1,598 | 1,598 | 1,603 | 1,598 | 1,597 | 1,597 |
| Therms Per Commercial Customer | 9,272 | 9,266 | 9,331 | 9,272 | 9,266 | 9,283 | 9,296 | 9,266 | 9,281 | 9,265 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 217 | 222 | 227 | 232 | 236 | 241 | 246 | 251 | 256 | 260 |
| Commercial Customers | 25 | 25 | 25 | 27 | 27 | 27 | 28 | 28 | 28 | 29 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 243 | 247 | 252 | 258 | 263 | 268 | 274 | 279 | 284 | 290 |

| Bend Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.29% | 2.70% | 1.80% | 2.21% | 2.20% | 2.62% | 1.69% | 2.12% | 2.09% |
| Residential Therms | 22,159,010 | 22,720,265 | 23,394,387 | 23,873,960 | 24,464,620 | 25,067,435 | 25,796,256 | 26,306,917 | 26,940,716 | 27,584,047 |
| Commercial Therms | 11,781,535 | 11,991,972 | 12,252,952 | 12,408,532 | 12,613,912 | 12,818,547 | 13,077,337 | 13,220,674 | 13,417,091 | 13,609,042 |
| Industrial Therms | 552,635 | 569,271 | 586,585 | 603,442 | 624,193 | 646,108 | 669,694 | 684,123 | 706,036 | 727,950 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 34,493,179 | 35,281,508 | 36,233,924 | 36,885,934 | 37,702,725 | 38,532,089 | 39,543,287 | 40,211,714 | 41,063,842 | 41,921,039 |
| Daily Baseload Therms | 29,371 | 30,041 | 30,714 | 31,393 | 32,079 | 32,771 | 33,440 | 34,141 | 34,846 | 35,556 |
| Peak Day Therms | 374,286 | 382,787 | 391,185 | 399,876 | 408,681 | 417,562 | 426,535 | 435,592 | 444,717 | 453,887 |
| Therms Per Residential Customer | 758 | 758 | 761 | 758 | 758 | 758 | 761 | 758 | 758 | 758 |
| Therms Per Commercial Customer | 2,794 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 |
| Therms Per Industrial Customer | 21,959 | 21,965 | 22,066 | 21,943 | 21,966 | 21,964 | 22,078 | 21,950 | 21,949 | 21,948 |
| Residential Customers | 29,228 | 29,969 | 30,724 | 31,492 | 32,274 | 33,070 | 33,880 | 34,704 | 35,541 | 36,390 |
| Commercial Customers | 4,217 | 4,293 | 4,368 | 4,442 | 4,516 | 4,590 | 4,662 | 4,734 | 4,804 | 4,873 |
| Industrial Customers | 25 | 26 | 27 | 28 | 28 | 29 | 30 | 31 | 32 | 33 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 33,471 | 34,288 | 35,118 | 35,962 | 36,819 | 37,689 | 38,573 | 39,469 | 40,377 | 41,296 |

| McCleary (Aberdeen/Hoquiam) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.33% | 0.33% | -0.43% | -0.05% | 0.01% | 0.15% | -0.51% | 0.07% | 0.05% |
| Residential Therms | 2,441,610 | 2,447,655 | 2,464,537 | 2,461,323 | 2,468,239 | 2,476,638 | 2,496,424 | 2,495,239 | 2,505,012 | 2,515,412 |
| Commercial Therms | 3,220,448 | 3,209,110 | 3,210,888 | 3,189,389 | 3,179,328 | 3,171,237 | 3,176,345 | 3,156,881 | 3,151,039 | 3,143,572 |
| Industrial Therms | 349,558 | 334,805 | 336,009 | 334,805 | 334,704 | 334,704 | 318,705 | 309,051 | 309,051 | 309,051 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,011,617 | 5,991,570 | 6,011,434 | 5,985,517 | 5,982,271 | 5,982,580 | 5,991,473 | 5,961,171 | 5,965,101 | 5,968,035 |
| Daily Baseload Therms | 6,572 | 6,559 | 6,552 | 6,539 | 6,532 | 6,532 | 6,472 | 6,467 | 6,467 | 6,463 |
| Peak Day Therms | 56,347 | 56,290 | 56,280 | 56,271 | 56,268 | 56,279 | 56,141 | 56,160 | 56,219 | 56,251 |
| Therms Per Residential Customer | 703 | 703 | 706 | 703 | 702 | 702 | 706 | 703 | 703 | 703 |
| Therms Per Commercial Customer | 4,446 | 4,446 | 4,462 | 4,446 | 4,445 | 4,444 | 4,463 | 4,446 | 4,446 | 4,446 |
| Therms Per Industrial Customer | 25,893 | 25,754 | 25,847 | 25,754 | 25,746 | 25,746 | 26,017 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,475 | 3,483 | 3,493 | 3,503 | 3,514 | 3,526 | 3,538 | 3,552 | 3,566 | 3,580 |
| Commercial Customers | 724 | 722 | 720 | 717 | 715 | 714 | 712 | 710 | 709 | 707 |
| Industrial Customers | 14 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,213 | 4,218 | 4,225 | 4,233 | 4,242 | 4,252 | 4,262 | 4,274 | 4,286 | 4,299 |

| Acme | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.51% | 4.29% | 0.44% | 0.83% | 0.84% | 1.27% | 3.73% | 1.59% | 1.01% |
| Residential Therms | 51,405 | 51,899 | 52,580 | 53,117 | 53,863 | 54,618 | 55,614 | 56,139 | 57,106 | 58,085 |
| Commercial Therms | 32,253 | 33,023 | 35,983 | 35,837 | 35,831 | 35,831 | 35,983 | 38,877 | 39,421 | 39,421 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 83,658 | 84,922 | 88,563 | 88,954 | 89,695 | 90,450 | 91,596 | 95,016 | 96,527 | 97,506 |
| Daily Baseload Therms | 55 | 55 | 58 | 58 | 59 | 59 | 60 | 63 | 63 | 64 |
| Peak Day Therms | 780 | 787 | 829 | 829 | 836 | 843 | 849 | 891 | 905 | 912 |
| Therms Per Residential Customer | 760 | 760 | 763 | 760 | 760 | 759 | 763 | 759 | 761 | 761 |
| Therms Per Commercial Customer | 3,584 | 3,603 | 3,598 | 3,584 | 3,583 | 3,583 | 3,598 | 3,561 | 3,584 | 3,584 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 68 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 |
| Commercial Customers | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 77 | 77 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 87 |

| Arlington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.95% | 2.32% | 1.54% | 1.98% | 2.00% | 2.44% | 1.61% | 2.01% | 2.01% |
| Residential Therms | 3,414,163 | 3,469,154 | 3,541,454 | 3,589,112 | 3,653,314 | 3,721,126 | 3,807,084 | 3,864,915 | 3,940,302 | 4,017,952 |
| Commercial Therms | 1,896,009 | 1,930,309 | 1,971,895 | 1,997,525 | 2,031,749 | 2,066,164 | 2,108,902 | 2,134,893 | 2,169,423 | 2,202,657 |
| Industrial Therms | 384,628 | 406,549 | 427,201 | 445,386 | 466,502 | 487,350 | 511,830 | 531,363 | 552,510 | 575,483 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,694,801 | 5,806,012 | 5,940,550 | 6,032,024 | 6,151,564 | 6,274,640 | 6,427,816 | 6,531,170 | 6,662,235 | 6,796,091 |
| Daily Baseload Therms | 5,464 | 5,580 | 5,683 | 5,805 | 5,929 | 6,056 | 6,182 | 6,313 | 6,431 | 6,566 |
| Peak Day Therms | 58,234 | 59,387 | 60,586 | 61,813 | 63,070 | 64,237 | 65,553 | 66,892 | 68,229 | 69,611 |
| Therms Per Residential Customer | 710 | 710 | 712 | 710 | 709 | 709 | 712 | 709 | 709 | 709 |
| Therms Per Commercial Customer | 3,145 | 3,145 | 3,157 | 3,144 | 3,143 | 3,144 | 3,157 | 3,144 | 3,144 | 3,143 |
| Therms Per Industrial Customer | 11,453 | 11,479 | 11,520 | 11,469 | 11,471 | 11,467 | 11,523 | 11,468 | 11,471 | 11,471 |
| Residential Customers | 4,812 | 4,889 | 4,972 | 5,059 | 5,150 | 5,246 | 5,345 | 5,448 | 5,554 | 5,663 |
| Commercial Customers | 603 | 614 | 625 | 635 | 646 | 657 | 668 | 679 | 690 | 701 |
| Industrial Customers | 34 | 35 | 37 | 39 | 41 | 43 | 44 | 46 | 48 | 50 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,448 | 5,539 | 5,633 | 5,733 | 5,837 | 5,945 | 6,057 | 6,173 | 6,292 | 6,414 |

| Bremerton (Shelton) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 1.32% | 0.91% | 1.32% | 1.34% | 1.77% | 0.98% | 1.39% | 1.41% |
| Residential Therms | 21,638,788 | 21,930,575 | 22,320,591 | 22,533,580 | 22,843,697 | 23,161,499 | 23,584,051 | 23,817,871 | 24,155,729 | 24,500,295 |
| Commercial Therms | 11,343,393 | 11,490,801 | 11,690,180 | 11,806,060 | 11,973,512 | 12,147,094 | 12,375,391 | 12,514,001 | 12,707,040 | 12,907,534 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 34,871,880 | 35,311,075 | 35,778,369 | 36,103,358 | 36,580,927 | 37,072,312 | 37,727,041 | 38,095,591 | 38,626,487 | 39,171,548 |
| Daily Baseload Therms | 33,167 | 33,554 | 33,656 | 34,069 | 34,491 | 34,926 | 35,374 | 35,831 | 36,307 | 36,786 |
| Peak Day Therms | 329,048 | 333,382 | 337,223 | 341,818 | 346,540 | 351,402 | 356,379 | 361,509 | 366,706 | 372,098 |
| Therms Per Residential Customer | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,731 | 3,731 | 3,746 | 3,731 | 3,731 | 3,731 | 3,745 | 3,731 | 3,731 | 3,731 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 32,374 | 32,811 | 33,258 | 33,715 | 34,181 | 34,658 | 35,144 | 35,641 | 36,147 | 36,664 |
| Commercial Customers | 3,040 | 3,080 | 3,121 | 3,164 | 3,209 | 3,256 | 3,304 | 3,354 | 3,406 | 3,460 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 35,431 | 35,908 | 36,395 | 36,895 | 37,407 | 37,930 | 38,465 | 39,011 | 39,569 | 40,140 |

| Castle Rock | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.36% | 1.53% | 1.43% | 1.22% | 1.36% | 2.01% | 1.10% | 1.09% | 1.69% |
| Residential Therms | 36,197 | 36,759 | 37,593 | 38,245 | 38,907 | 39,781 | 40,598 | 41,107 | 41,935 | 42,637 |
| Commercial Therms | 136,092 | 137,879 | 139,709 | 141,586 | 143,120 | 144,716 | 147,609 | 149,163 | 150,402 | 152,942 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 172,289 | 174,638 | 177,302 | 179,831 | 182,026 | 184,497 | 188,207 | 190,269 | 192,337 | 195,579 |
| Daily Baseload Therms | 223 | 227 | 227 | 232 | 237 | 237 | 242 | 246 | 247 | 252 |
| Peak Day Therms | 1,402 | 1,428 | 1,433 | 1,459 | 1,490 | 1,495 | 1,527 | 1,553 | 1,579 | 1,610 |
| Therms Per Residential Customer | 521 | 520 | 523 | 521 | 520 | 521 | 523 | 520 | 521 | 520 |
| Therms Per Commercial Customer | 2,763 | 2,758 | 2,776 | 2,763 | 2,761 | 2,765 | 2,772 | 2,758 | 2,764 | 2,764 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 70 | 71 | 72 | 73 | 75 | 76 | 78 | 79 | 81 | 82 |
| Commercial Customers | 49 | 50 | 50 | 51 | 52 | 52 | 53 | 54 | 54 | 55 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 119 | 121 | 122 | 125 | 127 | 129 | 131 | 133 | 135 | 137 |

| Walla Walla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.01% | 1.42% | 0.62% | 1.04% | 1.05% | 1.48% | 0.66% | 1.08% | 1.09% |
| Residential Therms | 6,466,540 | 6,548,703 | 6,659,906 | 6,716,568 | 6,801,870 | 6,888,856 | 7,006,930 | 7,066,941 | 7,157,531 | 7,249,398 |
| Commercial Therms | 4,189,169 | 4,231,955 | 4,293,727 | 4,321,566 | 4,369,337 | 4,418,179 | 4,487,605 | 4,520,774 | 4,573,629 | 4,628,545 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,406,594 | 12,531,544 | 12,709,980 | 12,789,019 | 12,922,091 | 13,057,920 | 13,250,884 | 13,338,600 | 13,482,046 | 13,628,829 |
| Daily Baseload Therms | 10,397 | 10,490 | 10,587 | 10,685 | 10,787 | 10,889 | 10,996 | 11,103 | 11,214 | 11,326 |
| Peak Day Therms | 164,058 | 165,789 | 167,537 | 169,301 | 171,122 | 172,967 | 174,861 | 176,771 | 178,746 | 180,737 |
| Therms Per Residential Customer | 578 | 578 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,246 | 3,246 | 3,259 | 3,246 | 3,246 | 3,245 | 3,259 | 3,245 | 3,245 | 3,245 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,196 | 11,339 | 11,484 | 11,631 | 11,780 | 11,932 | 12,085 | 12,241 | 12,398 | 12,558 |
| Commercial Customers | 1,291 | 1,304 | 1,317 | 1,331 | 1,346 | 1,361 | 1,377 | 1,393 | 1,410 | 1,426 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,505 | 12,661 | 12,819 | 12,981 | 13,145 | 13,311 | 13,480 | 13,652 | 13,826 | 14,002 |

| Deming | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 5.98% | 0.52% | -0.16% | 0.97% | 5.13% | 1.28% | -0.40% | 1.98% | 4.44% |
| Residential Therms | 13,817 | 13,817 | 13,968 | 14,349 | 14,337 | 14,423 | 14,949 | 14,968 | 15,404 | 15,412 |
| Commercial Therms | 126,201 | 134,573 | 135,199 | 134,581 | 136,036 | 143,666 | 145,159 | 144,505 | 147,220 | 154,429 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 140,018 | 148,390 | 149,167 | 148,930 | 150,373 | 158,089 | 160,109 | 159,473 | 162,624 | 169,841 |
| Daily Baseload Therms | 98 | 105 | 105 | 105 | 105 | 113 | 113 | 113 | 113 | 121 |
| Peak Day Therms | 1,407 | 1,512 | 1,512 | 1,517 | 1,517 | 1,623 | 1,628 | 1,628 | 1,634 | 1,739 |
| Therms Per Residential Customer | 533 | 533 | 537 | 533 | 533 | 534 | 535 | 535 | 534 | 533 |
| Therms Per Commercial Customer | 10,164 | 10,093 | 10,140 | 10,094 | 10,139 | 10,082 | 10,127 | 10,082 | 10,153 | 10,071 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 26 | 26 | 26 | 27 | 27 | 27 | 28 | 28 | 29 | 29 |
| Commercial Customers | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 15 | 15 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 38 | 39 | 39 | 40 | 40 | 41 | 42 | 42 | 43 | 44 |

| Wenatchee | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.39% | -0.04% | -0.68% | -0.30% | -0.38% | -0.07% | -0.59% | -0.40% | -0.42% |
| Residential Therms | 596,058 | 588,985 | 583,878 | 574,703 | 567,384 | 560,129 | 554,906 | 545,861 | 538,735 | 531,585 |
| Commercial Therms | 3,449,426 | 3,439,308 | 3,441,815 | 3,421,955 | 3,416,144 | 3,406,911 | 3,408,106 | 3,392,478 | 3,382,366 | 3,371,375 |
| Industrial Therms | 383,994 | 383,994 | 384,946 | 383,994 | 383,907 | 383,907 | 384,946 | 383,994 | 383,994 | 383,994 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,429,478 | 4,412,287 | 4,410,639 | 4,380,651 | 4,367,434 | 4,350,947 | 4,347,959 | 4,322,333 | 4,305,095 | 4,286,953 |
| Daily Baseload Therms | 9,268 | 9,234 | 9,210 | 9,175 | 9,152 | 9,117 | 9,081 | 9,058 | 9,023 | 8,988 |
| Peak Day Therms | 38,718 | 38,385 | 38,047 | 37,714 | 37,425 | 37,092 | 36,755 | 36,466 | 36,133 | 35,795 |
| Therms Per Residential Customer | 447 | 447 | 449 | 447 | 447 | 447 | 449 | 447 | 447 | 447 |
| Therms Per Commercial Customer | 5,065 | 5,065 | 5,080 | 5,065 | 5,063 | 5,064 | 5,080 | 5,065 | 5,065 | 5,065 |
| Therms Per Industrial Customer | 25,600 | 25,600 | 25,663 | 25,600 | 25,594 | 25,594 | 25,663 | 25,600 | 25,600 | 25,600 |
| Residential Customers | 1,334 | 1,318 | 1,302 | 1,286 | 1,269 | 1,253 | 1,237 | 1,221 | 1,205 | 1,189 |
| Commercial Customers | 681 | 679 | 678 | 676 | 675 | 673 | 671 | 670 | 668 | 666 |
| Industrial Customers | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,030 | 2,012 | 1,994 | 1,976 | 1,959 | 1,941 | 1,923 | 1,906 | 1,888 | 1,869 |

| Finley | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.48% | 2.01% | 3.86% | 1.09% | 2.14% | 3.89% | 0.64% | 4.29% | 0.50% |
| Residential Therms | 15,357 | 15,888 | 16,404 | 16,883 | 17,361 | 17,855 | 18,502 | 18,972 | 19,429 | 19,877 |
| Commercial Therms | 95,834 | 95,835 | 97,563 | 101,485 | 102,296 | 104,367 | 108,473 | 108,811 | 113,830 | 114,047 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 111,191 | 111,723 | 113,967 | 118,369 | 119,657 | 122,221 | 126,975 | 127,783 | 133,259 | 133,924 |
| Daily Baseload Therms | 48 | 48 | 48 | 52 | 52 | 52 | 55 | 56 | 56 | 59 |
| Peak Day Therms | 1,420 | 1,427 | 1,434 | 1,529 | 1,529 | 1,536 | 1,631 | 1,638 | 1,645 | 1,740 |
| Therms Per Residential Customer | 565 | 567 | 571 | 568 | 569 | 568 | 571 | 568 | 566 | 567 |
| Therms Per Commercial Customer | 6,534 | 6,534 | 6,614 | 6,512 | 6,530 | 6,557 | 6,541 | 6,529 | 6,567 | 6,517 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 27 | 28 | 29 | 30 | 31 | 31 | 32 | 33 | 34 | 35 |
| Commercial Customers | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 17 | 17 | 18 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 42 | 43 | 44 | 45 | 46 | 47 | 49 | 50 | 52 | 53 |

| Grandview | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.12% | 2.21% | 0.67% | 1.07% | 1.07% | 1.53% | 0.83% | 1.92% | 1.15% |
| Residential Therms | 667,814 | 675,237 | 684,999 | 689,492 | 696,684 | 704,279 | 714,894 | 719,949 | 728,141 | 736,446 |
| Commercial Therms | 798,288 | 807,457 | 820,099 | 827,045 | 837,583 | 847,873 | 862,761 | 871,125 | 883,262 | 895,212 |
| Industrial Therms | 127,780 | 129,055 | 142,323 | 141,977 | 141,977 | 141,977 | 142,323 | 143,252 | 156,175 | 156,175 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,593,882 | 1,611,748 | 1,647,420 | 1,658,514 | 1,676,244 | 1,694,129 | 1,719,978 | 1,734,326 | 1,767,578 | 1,787,833 |
| Daily Baseload Therms | 2,424 | 2,441 | 2,530 | 2,555 | 2,574 | 2,599 | 2,625 | 2,645 | 2,741 | 2,767 |
| Peak Day Therms | 13,306 | 13,473 | 13,661 | 13,798 | 13,964 | 14,101 | 14,280 | 14,458 | 14,693 | 14,872 |
| Therms Per Residential Customer | 686 | 687 | 689 | 687 | 686 | 686 | 689 | 686 | 686 | 686 |
| Therms Per Commercial Customer | 4,209 | 4,209 | 4,225 | 4,207 | 4,209 | 4,206 | 4,222 | 4,210 | 4,209 | 4,208 |
| Therms Per Industrial Customer | 14,198 | 14,208 | 14,232 | 14,198 | 14,198 | 14,198 | 14,232 | 14,207 | 14,198 | 14,198 |
| Residential Customers | 973 | 983 | 994 | 1,004 | 1,015 | 1,026 | 1,038 | 1,049 | 1,061 | 1,073 |
| Commercial Customers | 190 | 192 | 194 | 197 | 199 | 202 | 204 | 207 | 210 | 213 |
| Industrial Customers | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 11 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,172 | 1,184 | 1,198 | 1,211 | 1,224 | 1,238 | 1,252 | 1,266 | 1,282 | 1,297 |

| Zillah (Toppenish) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.93% | 1.79% | 0.92% | 1.00% | 1.68% | 1.39% | 1.34% | 1.10% | 1.41% |
| Residential Therms | 1,075,467 | 1,087,562 | 1,104,082 | 1,110,721 | 1,122,010 | 1,134,061 | 1,151,993 | 1,159,501 | 1,172,589 | 1,185,901 |
| Commercial Therms | 2,004,429 | 2,028,703 | 2,061,375 | 2,078,531 | 2,103,605 | 2,130,397 | 2,167,784 | 2,187,649 | 2,218,097 | 2,248,270 |
| Industrial Therms | 752,653 | 752,653 | 773,827 | 786,811 | 790,820 | 820,582 | 823,088 | 851,947 | 855,126 | 872,612 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 3,899,680 | 3,936,050 | 4,006,415 | 4,043,194 | 4,083,566 | 4,152,171 | 4,209,996 | 4,266,227 | 4,312,943 | 4,373,915 |
| Daily Baseload Therms | 4,111 | 4,140 | 4,170 | 4,264 | 4,299 | 4,393 | 4,429 | 4,527 | 4,563 | 4,603 |
| Peak Day Therms | 41,482 | 41,883 | 42,536 | 42,974 | 43,418 | 44,084 | 44,542 | 45,259 | 45,767 | 46,496 |
| Therms Per Residential Customer | 556 | 557 | 559 | 557 | 556 | 556 | 559 | 556 | 556 | 556 |
| Therms Per Commercial Customer | 3,850 | 3,850 | 3,866 | 3,850 | 3,848 | 3,848 | 3,864 | 3,848 | 3,849 | 3,848 |
| Therms Per Industrial Customer | 31,361 | 31,361 | 31,478 | 31,472 | 31,528 | 31,561 | 31,657 | 31,651 | 31,671 | 31,731 |
| Residential Customers | 1,933 | 1,953 | 1,974 | 1,995 | 2,016 | 2,038 | 2,061 | 2,084 | 2,108 | 2,132 |
| Commercial Customers | 521 | 527 | 533 | 540 | 547 | 554 | 561 | 569 | 576 | 584 |
| Industrial Customers | 24 | 24 | 25 | 25 | 25 | 26 | 26 | 27 | 27 | 28 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,479 | 2,505 | 2,533 | 2,561 | 2,589 | 2,619 | 2,649 | 2,681 | 2,712 | 2,745 |

| Kalama #2 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.91% | 1.31% | 0.64% | 0.81% | 1.12% | 1.40% | 0.54% | 1.08% | 1.15% |
| Residential Therms | 238,944 | 243,131 | 249,173 | 252,486 | 257,482 | 262,130 | 268,097 | 272,131 | 277,279 | 282,297 |
| Commercial Therms | 199,509 | 202,033 | 205,029 | 207,324 | 208,571 | 212,515 | 216,556 | 217,530 | 220,916 | 225,096 |
| Industrial Therms | 301,406 | 301,406 | 302,176 | 301,406 | 301,332 | 301,332 | 302,176 | 301,406 | 301,406 | 301,406 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 739,859 | 746,570 | 756,378 | 761,217 | 767,385 | 775,977 | 786,829 | 791,067 | 799,601 | 808,800 |
| Daily Baseload Therms | 1,669 | 1,682 | 1,689 | 1,704 | 1,710 | 1,725 | 1,739 | 1,752 | 1,760 | 1,774 |
| Peak Day Therms | 4,514 | 4,567 | 4,601 | 4,654 | 4,715 | 4,749 | 4,802 | 4,863 | 4,897 | 4,958 |
| Therms Per Residential Customer | 1,328 | 1,328 | 1,333 | 1,328 | 1,328 | 1,327 | 1,333 | 1,328 | 1,328 | 1,327 |
| Therms Per Commercial Customer | 4,193 | 4,187 | 4,213 | 4,188 | 4,192 | 4,194 | 4,205 | 4,190 | 4,195 | 4,194 |
| Therms Per Industrial Customer | 100,469 | 100,469 | 100,725 | 100,469 | 100,444 | 100,444 | 100,725 | 100,469 | 100,469 | 100,469 |
| Residential Customers | 180 | 183 | 187 | 190 | 194 | 198 | 201 | 205 | 209 | 213 |
| Commercial Customers | 48 | 48 | 49 | 50 | 50 | 51 | 52 | 52 | 53 | 54 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 231 | 234 | 239 | 243 | 247 | 251 | 256 | 260 | 265 | 269 |

| Lawrence | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.97% | 1.49% | 1.27% | 2.18% | 1.03% | 2.08% | 1.43% | 1.16% | 2.01% |
| Residential Therms | 45,350 | 45,921 | 46,846 | 47,399 | 48,141 | 48,880 | 49,695 | 50,236 | 50,897 | 51,426 |
| Commercial Therms | 21,852 | 21,937 | 22,030 | 22,361 | 23,157 | 23,157 | 23,854 | 24,375 | 24,588 | 25,593 |
| Industrial Therms | 683 | 683 | 684 | 683 | 683 | 683 | 684 | 683 | 683 | 683 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 67,885 | 68,541 | 69,560 | 70,442 | 71,981 | 72,719 | 74,233 | 75,293 | 76,168 | 77,701 |
| Daily Baseload Therms | 46 | 46 | 47 | 48 | 49 | 49 | 50 | 51 | 52 | 53 |
| Peak Day Therms | 748 | 748 | 755 | 763 | 785 | 793 | 815 | 822 | 830 | 852 |
| Therms Per Residential Customer | 739 | 740 | 743 | 740 | 740 | 740 | 742 | 739 | 739 | 738 |
| Therms Per Commercial Customer | 1,220 | 1,219 | 1,224 | 1,209 | 1,219 | 1,219 | 1,213 | 1,219 | 1,224 | 1,219 |
| Therms Per Industrial Customer | 630 | 630 | 632 | 630 | 630 | 630 | 632 | 630 | 630 | 630 |
| Residential Customers | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| Commercial Customers | 18 | 18 | 18 | 19 | 19 | 19 | 20 | 20 | 20 | 21 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 80 | 81 | 82 | 84 | 85 | 86 | 88 | 89 | 90 | 92 |

| Moxee (Beauchene) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.76% | 1.23% | 0.49% | 0.85% | 1.69% | 1.72% | 0.61% | 1.09% | 1.74% |
| Residential Therms | 1,022,555 | 1,025,093 | 1,031,875 | 1,029,839 | 1,031,861 | 1,034,223 | 1,041,573 | 1,039,901 | 1,042,761 | 1,045,674 |
| Commercial Therms | 2,651,721 | 2,681,621 | 2,728,426 | 2,753,599 | 2,790,276 | 2,831,258 | 2,888,240 | 2,920,088 | 2,969,233 | 3,019,063 |
| Industrial Therms | 706,000 | 750,795 | 752,036 | 750,795 | 750,551 | 784,606 | 800,134 | 798,773 | 798,773 | 829,645 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,380,276 | 4,457,509 | 4,512,337 | 4,534,232 | 4,572,688 | 4,650,087 | 4,729,947 | 4,758,762 | 4,810,767 | 4,894,382 |
| Daily Baseload Therms | 4,616 | 4,769 | 4,796 | 4,827 | 4,858 | 5,018 | 5,050 | 5,087 | 5,129 | 5,294 |
| Peak Day Therms | 13,171 | 13,490 | 13,629 | 13,698 | 13,844 | 14,169 | 14,315 | 14,468 | 14,551 | 14,883 |
| Therms Per Residential Customer | 613 | 613 | 616 | 613 | 613 | 613 | 616 | 613 | 613 | 613 |
| Therms Per Commercial Customer | 6,324 | 6,321 | 6,349 | 6,323 | 6,318 | 6,316 | 6,347 | 6,322 | 6,320 | 6,318 |
| Therms Per Industrial Customer | 48,971 | 48,965 | 49,046 | 48,965 | 48,949 | 49,816 | 48,988 | 48,904 | 48,904 | 49,779 |
| Residential Customers | 1,668 | 1,672 | 1,675 | 1,679 | 1,683 | 1,687 | 1,692 | 1,696 | 1,701 | 1,706 |
| Commercial Customers | 419 | 424 | 430 | 436 | 442 | 448 | 455 | 462 | 470 | 478 |
| Industrial Customers | 14 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,102 | 2,111 | 2,121 | 2,130 | 2,140 | 2,151 | 2,163 | 2,175 | 2,187 | 2,201 |

| Othello | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.88% | 0.54% | 1.46% | 0.13% | 1.82% | 2.17% | -0.20% | 0.14% | 1.77% |
| Residential Therms | 649,908 | 648,818 | 650,473 | 646,420 | 645,036 | 644,021 | 645,937 | 641,923 | 640,717 | 639,511 |
| Commercial Therms | 1,097,632 | 1,102,257 | 1,111,181 | 1,111,782 | 1,116,405 | 1,121,326 | 1,129,943 | 1,131,318 | 1,135,949 | 1,141,327 |
| Industrial Therms | 347,552 | 386,426 | 388,196 | 425,299 | 425,106 | 463,966 | 505,196 | 503,046 | 503,046 | 541,919 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,252,895 | 2,295,303 | 2,307,653 | 2,341,304 | 2,344,348 | 2,387,115 | 2,438,878 | 2,434,089 | 2,437,514 | 2,480,560 |
| Daily Baseload Therms | 2,814 | 2,899 | 2,903 | 2,988 | 2,996 | 3,081 | 3,165 | 3,173 | 3,177 | 3,262 |
| Peak Day Therms | 19,943 | 20,263 | 20,281 | 20,570 | 20,619 | 20,914 | 21,203 | 21,221 | 21,270 | 21,559 |
| Therms Per Residential Customer | 606 | 606 | 608 | 606 | 606 | 606 | 609 | 606 | 606 | 606 |
| Therms Per Commercial Customer | 3,746 | 3,746 | 3,759 | 3,748 | 3,745 | 3,745 | 3,759 | 3,746 | 3,746 | 3,747 |
| Therms Per Industrial Customer | 26,735 | 27,602 | 27,728 | 28,353 | 28,340 | 28,998 | 29,717 | 29,591 | 29,591 | 30,107 |
| Residential Customers | 1,073 | 1,071 | 1,069 | 1,067 | 1,065 | 1,063 | 1,061 | 1,060 | 1,058 | 1,056 |
| Commercial Customers | 293 | 294 | 296 | 297 | 298 | 299 | 301 | 302 | 303 | 305 |
| Industrial Customers | 13 | 14 | 14 | 15 | 15 | 16 | 17 | 17 | 17 | 18 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,380 | 1,380 | 1,380 | 1,380 | 1,379 | 1,380 | 1,380 | 1,380 | 1,379 | 1,379 |

| North Pasco | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.42% | 2.86% | 1.95% | 2.40% | 2.39% | 2.80% | 1.94% | 2.36% | 2.36% |
| Residential Therms | 2,738,760 | 2,819,272 | 2,914,320 | 2,985,470 | 3,071,570 | 3,159,331 | 3,263,270 | 3,340,334 | 3,433,760 | 3,528,808 |
| Commercial Therms | 1,924,081 | 1,959,054 | 2,003,712 | 2,030,790 | 2,067,831 | 2,105,205 | 2,151,540 | 2,181,900 | 2,221,411 | 2,262,210 |
| Industrial Therms | 106,669 | 106,669 | 106,825 | 106,669 | 106,679 | 106,679 | 106,825 | 106,669 | 106,669 | 106,669 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,769,510 | 4,884,995 | 5,024,856 | 5,122,929 | 5,246,080 | 5,371,215 | 5,521,635 | 5,628,904 | 5,761,840 | 5,897,687 |
| Daily Baseload Therms | 3,127 | 3,199 | 3,273 | 3,348 | 3,423 | 3,500 | 3,578 | 3,657 | 3,743 | 3,825 |
| Peak Day Therms | 67,071 | 68,740 | 70,427 | 72,153 | 73,898 | 75,680 | 77,482 | 79,302 | 81,289 | 83,166 |
| Therms Per Residential Customer | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 |
| Therms Per Commercial Customer | 9,288 | 9,285 | 9,327 | 9,284 | 9,287 | 9,284 | 9,324 | 9,285 | 9,285 | 9,287 |
| Therms Per Industrial Customer | 53,335 | 53,335 | 53,413 | 53,335 | 53,340 | 53,340 | 53,413 | 53,335 | 53,335 | 53,335 |
| Residential Customers | 2,053 | 2,113 | 2,175 | 2,238 | 2,302 | 2,368 | 2,436 | 2,504 | 2,574 | 2,646 |
| Commercial Customers | 207 | 211 | 215 | 219 | 223 | 227 | 231 | 235 | 239 | 244 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,262 | 2,326 | 2,392 | 2,459 | 2,527 | 2,597 | 2,668 | 2,741 | 2,816 | 2,891 |

| Patterson | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.27% | 17.99% | 5.57% | 0.00% | 0.35% | -0.26% | 0.00% | 0.00% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Daily Baseload Therms | 381 | 381 | 381 | 476 | 476 | 476 | 476 | 476 | 476 | 476 |
| Peak Day Therms | 887 | 887 | 887 | 887 | 1,108 | 1,108 | 1,108 | 1,108 | 1,108 | 1,108 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,794 | 48,794 | 48,923 | 47,772 | 48,753 | 48,753 | 48,923 | 48,794 | 48,794 | 48,794 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| Prosser | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.15% | 2.66% | 1.74% | 2.02% | 2.18% | 2.43% | 1.48% | 2.04% | 1.86% |
| Residential Therms | 270,077 | 279,335 | 290,058 | 297,769 | 306,955 | 316,232 | 327,080 | 334,676 | 343,864 | 353,286 |
| Commercial Therms | 476,012 | 486,378 | 499,892 | 509,458 | 519,948 | 532,369 | 545,542 | 553,951 | 566,307 | 576,890 |
| Industrial Therms | 166,641 | 166,641 | 167,246 | 166,641 | 166,610 | 166,610 | 167,246 | 166,641 | 166,641 | 166,641 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 912,730 | 932,354 | 957,196 | 973,868 | 993,514 | 1,015,212 | 1,039,868 | 1,055,268 | 1,076,812 | 1,096,817 |
| Daily Baseload Therms | 728 | 742 | 759 | 773 | 790 | 804 | 821 | 835 | 849 | 866 |
| Peak Day Therms | 9,547 | 9,756 | 9,964 | 10,207 | 10,416 | 10,625 | 10,868 | 11,077 | 11,326 | 11,535 |
| Therms Per Residential Customer | 564 | 563 | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,352 | 3,352 | 3,361 | 3,352 | 3,349 | 3,350 | 3,364 | 3,347 | 3,351 | 3,349 |
| Therms Per Industrial Customer | 33,328 | 33,328 | 33,449 | 33,328 | 33,322 | 33,322 | 33,449 | 33,328 | 33,328 | 33,328 |
| Residential Customers | 479 | 496 | 512 | 529 | 545 | 561 | 578 | 594 | 611 | 627 |
| Commercial Customers | 142 | 145 | 149 | 152 | 155 | 159 | 162 | 166 | 169 | 172 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 626 | 646 | 666 | 686 | 705 | 725 | 745 | 765 | 785 | 804 |

| Quincy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.79% | 1.19% | 0.45% | 0.93% | 0.94% | 1.48% | 0.92% | 1.16% | 0.97% |
| Residential Therms | 33,987 | 33,855 | 33,473 | 33,166 | 32,717 | 32,452 | 32,288 | 31,856 | 31,557 | 30,968 |
| Commercial Therms | 540,445 | 548,050 | 557,265 | 560,886 | 569,118 | 577,237 | 588,915 | 598,061 | 608,357 | 617,384 |
| Industrial Therms | 215,957 | 230,539 | 231,359 | 231,750 | 231,618 | 231,618 | 232,569 | 231,724 | 231,724 | 231,750 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 790,388 | 812,444 | 822,096 | 825,802 | 833,454 | 841,308 | 853,771 | 861,640 | 871,637 | 880,102 |
| Daily Baseload Therms | 1,213 | 1,227 | 1,241 | 1,280 | 1,307 | 1,321 | 1,335 | 1,349 | 1,363 | 1,390 |
| Peak Day Therms | 5,145 | 5,190 | 5,239 | 5,284 | 5,334 | 5,378 | 5,428 | 5,522 | 5,572 | 5,616 |
| Therms Per Residential Customer | 595 | 595 | 597 | 594 | 594 | 595 | 597 | 595 | 594 | 595 |
| Therms Per Commercial Customer | 8,107 | 8,109 | 8,145 | 8,109 | 8,101 | 8,102 | 8,132 | 8,109 | 8,111 | 8,106 |
| Therms Per Industrial Customer | 37,558 | 38,423 | 38,560 | 38,096 | 38,074 | 38,074 | 38,231 | 38,092 | 38,092 | 38,096 |
| Residential Customers | 57 | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 52 |
| Commercial Customers | 67 | 68 | 68 | 69 | 70 | 71 | 72 | 74 | 75 | 76 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 130 | 131 | 131 | 131 | 131 | 132 | 133 | 133 | 134 | 134 |

| Sunnyside | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.48% | 1.43% | 0.66% | 1.74% | 1.03% | 1.49% | 1.01% | 1.48% | 1.10% |
| Residential Therms | 1,075,639 | 1,087,659 | 1,104,376 | 1,110,879 | 1,122,495 | 1,134,471 | 1,152,297 | 1,159,835 | 1,172,778 | 1,186,056 |
| Commercial Therms | 1,695,585 | 1,715,439 | 1,743,822 | 1,757,415 | 1,779,832 | 1,802,628 | 1,834,076 | 1,850,216 | 1,875,259 | 1,901,137 |
| Industrial Therms | 445,487 | 461,181 | 462,801 | 464,444 | 488,240 | 488,240 | 490,024 | 501,543 | 515,438 | 515,438 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,216,710 | 3,264,279 | 3,311,000 | 3,332,738 | 3,390,568 | 3,425,339 | 3,476,398 | 3,511,594 | 3,563,475 | 3,602,631 |
| Daily Baseload Therms | 2,863 | 2,941 | 2,965 | 2,990 | 3,073 | 3,098 | 3,123 | 3,151 | 3,238 | 3,266 |
| Peak Day Therms | 33,694 | 34,051 | 34,368 | 34,725 | 35,305 | 35,700 | 36,076 | 36,695 | 37,110 | 37,525 |
| Therms Per Residential Customer | 569 | 569 | 572 | 569 | 569 | 569 | 572 | 569 | 569 | 569 |
| Therms Per Commercial Customer | 3,171 | 3,170 | 3,184 | 3,170 | 3,170 | 3,169 | 3,183 | 3,169 | 3,169 | 3,169 |
| Therms Per Industrial Customer | 26,999 | 27,128 | 27,224 | 27,187 | 27,124 | 27,124 | 27,224 | 26,989 | 27,128 | 27,128 |
| Residential Customers | 1,891 | 1,910 | 1,930 | 1,951 | 1,972 | 1,994 | 2,016 | 2,038 | 2,062 | 2,085 |
| Commercial Customers | 535 | 541 | 548 | 554 | 562 | 569 | 576 | 584 | 592 | 600 |
| Industrial Customers | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 19 | 19 | 19 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,442 | 2,468 | 2,495 | 2,522 | 2,552 | 2,580 | 2,610 | 2,641 | 2,672 | 2,704 |

| Moses Lake | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.37% | 0.35% | 0.07% | -0.04% | 1.12% | 2.53% | 0.35% | 0.00% | 0.00% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 37,800 | 37,800 | 37,963 | 37,800 | 37,783 | 39,899 | 44,176 | 45,360 | 45,360 | 45,360 |
| Industrial Therms | 145,700 | 150,054 | 150,555 | 150,856 | 150,792 | 150,792 | 151,347 | 150,856 | 150,856 | 150,856 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 183,499 | 187,854 | 188,518 | 188,656 | 188,575 | 190,691 | 195,523 | 196,216 | 196,216 | 196,216 |
| Daily Baseload Therms | 192 | 192 | 192 | 218 | 218 | 218 | 226 | 226 | 226 | 226 |
| Peak Day Therms | 28,640 | 28,902 | 29,163 | 29,430 | 29,752 | 30,254 | 30,576 | 30,959 | 31,341 | 31,718 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,560 | 7,560 | 7,593 | 7,560 | 7,557 | 7,722 | 7,573 | 7,560 | 7,560 | 7,560 |
| Therms Per Industrial Customer | 21,585 | 21,695 | 21,767 | 21,551 | 21,542 | 21,542 | 21,621 | 21,551 | 21,551 | 21,551 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |

| Woodland | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.08% | 1.47% | 2.60% | 1.04% | 1.08% | 1.61% | 0.76% | 2.89% | 1.14% |
| Residential Therms | 390,404 | 397,694 | 406,940 | 412,963 | 420,364 | 428,256 | 438,416 | 444,848 | 452,882 | 461,374 |
| Commercial Therms | 685,952 | 694,576 | 706,133 | 712,018 | 721,013 | 730,180 | 744,031 | 751,166 | 761,467 | 772,057 |
| Industrial Therms | 403,018 | 403,018 | 404,268 | 431,805 | 431,544 | 431,544 | 433,144 | 431,805 | 460,592 | 460,592 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,479,374 | 1,495,289 | 1,517,341 | 1,556,786 | 1,572,921 | 1,589,979 | 1,615,592 | 1,627,820 | 1,674,941 | 1,694,023 |
| Daily Baseload Therms | 1,998 | 2,016 | 2,029 | 2,114 | 2,132 | 2,147 | 2,165 | 2,183 | 2,268 | 2,290 |
| Peak Day Therms | 13,111 | 13,261 | 13,444 | 13,752 | 13,935 | 14,118 | 14,307 | 14,490 | 14,839 | 15,028 |
| Therms Per Residential Customer | 609 | 609 | 612 | 609 | 609 | 609 | 612 | 609 | 609 | 609 |
| Therms Per Commercial Customer | 3,435 | 3,436 | 3,450 | 3,436 | 3,433 | 3,433 | 3,450 | 3,435 | 3,435 | 3,434 |
| Therms Per Industrial Customer | 28,787 | 28,787 | 28,876 | 28,787 | 28,770 | 28,770 | 28,876 | 28,787 | 28,787 | 28,787 |
| Residential Customers | 641 | 653 | 665 | 678 | 691 | 704 | 717 | 730 | 744 | 758 |
| Commercial Customers | 200 | 202 | 205 | 207 | 210 | 213 | 216 | 219 | 222 | 225 |
| Industrial Customers | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 16 | 16 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 855 | 869 | 884 | 900 | 916 | 931 | 947 | 964 | 981 | 999 |

| A/M Rendering | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.38% | 2.94% | -0.13% | 0.37% | 2.72% | 0.68% | 2.31% | 0.35% | 2.56% |
| Residential Therms | 458,747 | 460,516 | 474,153 | 473,545 | 475,315 | 488,343 | 491,681 | 503,142 | 504,911 | 517,940 |
| Commercial Therms | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 462,710 | 464,480 | 478,128 | 477,509 | 479,278 | 492,307 | 495,656 | 507,105 | 508,875 | 521,904 |
| Daily Baseload Therms | 860 | 860 | 888 | 888 | 888 | 915 | 915 | 943 | 943 | 970 |
| Peak Day Therms | 3,644 | 3,644 | 3,761 | 3,761 | 3,761 | 3,877 | 3,877 | 3,994 | 3,994 | 4,111 |
| Therms Per Residential Customer | 14,798 | 14,816 | 14,856 | 14,798 | 14,815 | 14,798 | 14,862 | 14,798 | 14,814 | 14,798 |
| Therms Per Commercial Customer | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 31 | 31 | 32 | 32 | 32 | 33 | 33 | 34 | 34 | 35 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 32 | 32 | 33 | 33 | 33 | 34 | 34 | 35 | 35 | 36 |

| LDS Church | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% |
| Residential Therms | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,589 |
| Commercial Therms | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,624 | 9,624 | 9,670 | 9,624 | 9,625 | 9,625 | 9,670 | 9,624 | 9,624 | 9,624 |
| Daily Baseload Therms | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Peak Day Therms | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| Therms Per Residential Customer | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 |
| Therms Per Commercial Customer | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Kalama #1 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.99% | -0.98% | 0.00% | 0.00% | 3.30% | 29.07% | 0.00% | 0.00% |
| Residential Therms | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 | 1,043 | 1,347 | 1,347 | 1,347 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 | 1,043 | 1,347 | 1,347 | 1,347 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 337 | 337 | 340 | 337 | 337 | 337 | 329 | 337 | 337 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |

| Dehawn Dairy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% |
| Residential Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 525 | 525 | 530 | 525 | 525 | 525 | 530 | 525 | 525 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| Yakima Chief Ranch | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| 7th Day School | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 1.77% | 3.76% | 0.54% | 0.00% | 0.55% | -0.55% | 0.00% | 1.14% |
| Residential Therms | 10,771 | 10,771 | 11,024 | 11,659 | 11,750 | 11,750 | 11,816 | 11,750 | 11,750 | 11,942 |
| Commercial Therms | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Industrial Therms | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 15,887 | 15,887 | 16,168 | 16,776 | 16,867 | 16,867 | 16,960 | 16,867 | 16,867 | 17,059 |
| Daily Baseload Therms | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |
| Peak Day Therms | 114 | 114 | 121 | 121 | 121 | 121 | 121 | 121 | 121 | 121 |
| Therms Per Residential Customer | 979 | 979 | 995 | 1,014 | 979 | 979 | 985 | 979 | 979 | 988 |
| Therms Per Commercial Customer | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Therms Per Industrial Customer | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Residential Customers | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

| Yakima Training Center | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.32% | 1.97% | 0.52% | 1.18% | 1.30% | 1.89% | 0.77% | 1.55% | 1.10% |
| Residential Therms | 4,573 | 4,683 | 4,715 | 4,727 | 4,833 | 4,871 | 4,895 | 4,964 | 5,050 | 5,051 |
| Commercial Therms | 364,534 | 369,303 | 376,626 | 378,614 | 383,024 | 388,014 | 395,412 | 398,427 | 404,577 | 409,074 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 369,107 | 373,986 | 381,342 | 383,341 | 387,858 | 392,885 | 400,307 | 403,391 | 409,627 | 414,125 |
| Daily Baseload Therms | 65 | 66 | 67 | 67 | 69 | 69 | 70 | 71 | 72 | 73 |
| Peak Day Therms | 4,006 | 4,046 | 4,126 | 4,167 | 4,207 | 4,287 | 4,327 | 4,369 | 4,449 | 4,489 |
| Therms Per Residential Customer | 180 | 181 | 180 | 180 | 182 | 179 | 180 | 181 | 180 | 179 |
| Therms Per Commercial Customer | 3,720 | 3,724 | 3,748 | 3,721 | 3,719 | 3,722 | 3,739 | 3,721 | 3,723 | 3,719 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 25 | 26 | 26 | 26 | 27 | 27 | 27 | 27 | 28 | 28 |
| Commercial Customers | 98 | 99 | 101 | 102 | 103 | 104 | 106 | 107 | 109 | 110 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 123 | 125 | 127 | 128 | 130 | 131 | 133 | 135 | 137 | 138 |

| Burbank Heights Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.38% | 2.84% | 1.93% | 2.59% | 2.35% | 2.80% | 1.93% | 2.32% | 2.31% |
| Residential Therms | 3,132,516 | 3,223,737 | 3,331,379 | 3,412,342 | 3,508,748 | 3,608,224 | 3,726,744 | 3,814,393 | 3,920,278 | 4,028,411 |
| Commercial Therms | 2,236,619 | 2,276,660 | 2,329,143 | 2,360,508 | 2,401,789 | 2,444,790 | 2,499,896 | 2,535,486 | 2,580,412 | 2,626,045 |
| Industrial Therms | 140,590 | 140,590 | 140,795 | 140,590 | 156,165 | 156,165 | 156,439 | 156,211 | 156,211 | 156,211 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,509,725 | 5,640,987 | 5,801,317 | 5,913,441 | 6,066,701 | 6,209,179 | 6,383,079 | 6,506,090 | 6,656,902 | 6,810,667 |
| Daily Baseload Therms | 5,360 | 5,480 | 5,606 | 5,733 | 5,896 | 6,027 | 6,163 | 6,300 | 6,439 | 6,583 |
| Peak Day Therms | 66,288 | 67,910 | 69,555 | 71,222 | 73,033 | 74,755 | 76,536 | 78,340 | 80,171 | 82,056 |
| Therms Per Residential Customer | 376 | 376 | 377 | 376 | 375 | 375 | 377 | 375 | 375 | 375 |
| Therms Per Commercial Customer | 2,641 | 2,642 | 2,652 | 2,641 | 2,640 | 2,640 | 2,652 | 2,641 | 2,641 | 2,641 |
| Therms Per Industrial Customer | 15,621 | 15,621 | 15,644 | 15,621 | 15,616 | 15,616 | 15,644 | 15,621 | 15,621 | 15,621 |
| Residential Customers | 8,341 | 8,584 | 8,833 | 9,087 | 9,347 | 9,612 | 9,883 | 10,159 | 10,442 | 10,730 |
| Commercial Customers | 847 | 862 | 878 | 894 | 910 | 926 | 943 | 960 | 977 | 994 |
| Industrial Customers | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 9,197 | 9,455 | 9,720 | 9,990 | 10,266 | 10,548 | 10,835 | 11,129 | 11,429 | 11,734 |

| East Stanwood Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.20% | 1.58% | 0.75% | 1.12% | 1.12% | 1.72% | 1.77% | 1.08% | 1.08% |
| Residential Therms | 5,460,718 | 5,541,394 | 5,646,984 | 5,707,389 | 5,792,226 | 5,879,234 | 5,993,202 | 6,058,012 | 6,149,216 | 6,241,850 |
| Commercial Therms | 3,735,892 | 3,772,253 | 3,820,696 | 3,835,962 | 3,863,601 | 3,890,367 | 3,933,186 | 3,941,694 | 3,965,644 | 3,989,086 |
| Industrial Therms | 430,719 | 430,719 | 431,855 | 430,719 | 430,654 | 430,654 | 451,507 | 563,904 | 563,904 | 563,904 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 9,729,350 | 9,846,387 | 10,001,555 | 10,076,091 | 10,188,501 | 10,302,276 | 10,479,916 | 10,665,631 | 10,780,785 | 10,896,860 |
| Daily Baseload Therms | 10,278 | 10,386 | 10,490 | 10,595 | 10,701 | 10,805 | 10,911 | 11,403 | 11,506 | 11,606 |
| Peak Day Therms | 84,030 | 85,076 | 86,112 | 87,120 | 88,140 | 89,185 | 90,235 | 92,061 | 93,102 | 94,155 |
| Therms Per Residential Customer | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 |
| Therms Per Commercial Customer | 3,871 | 3,871 | 3,886 | 3,871 | 3,870 | 3,870 | 3,886 | 3,870 | 3,870 | 3,870 |
| Therms Per Industrial Customer | 107,680 | 107,680 | 107,964 | 107,680 | 107,664 | 107,664 | 108,362 | 112,781 | 112,781 | 112,781 |
| Residential Customers | 8,209 | 8,330 | 8,454 | 8,580 | 8,708 | 8,839 | 8,972 | 9,107 | 9,245 | 9,384 |
| Commercial Customers | 965 | 975 | 983 | 991 | 998 | 1,005 | 1,012 | 1,019 | 1,025 | 1,031 |
| Industrial Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 9,179 | 9,309 | 9,442 | 9,576 | 9,712 | 9,849 | 9,990 | 10,132 | 10,275 | 10,421 |

| Kennewick Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.80% | 3.15% | 2.24% | 2.58% | 2.52% | 3.01% | 2.09% | 2.34% | 2.28% |
| Residential Therms | 9,436,204 | 9,758,766 | 10,125,391 | 10,403,995 | 10,725,821 | 11,048,397 | 11,421,361 | 11,694,274 | 12,016,801 | 12,339,349 |
| Commercial Therms | 10,552,794 | 10,803,488 | 11,098,418 | 11,307,059 | 11,557,751 | 11,809,046 | 12,108,410 | 12,312,548 | 12,565,143 | 12,815,320 |
| Industrial Therms | 264,033 | 264,033 | 265,629 | 264,033 | 263,990 | 263,990 | 294,754 | 319,477 | 319,477 | 319,477 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 20,487,993 | 21,061,249 | 21,724,400 | 22,210,049 | 22,782,524 | 23,356,395 | 24,059,488 | 24,561,261 | 25,136,383 | 25,709,108 |
| Daily Baseload Therms | 19,410 | 19,930 | 20,445 | 20,965 | 21,480 | 22,000 | 22,604 | 23,124 | 23,640 | 24,160 |
| Peak Day Therms | 261,896 | 269,244 | 276,541 | 283,898 | 291,194 | 298,543 | 306,387 | 313,692 | 321,040 | 328,337 |
| Therms Per Residential Customer | 603 | 603 | 606 | 603 | 603 | 603 | 606 | 603 | 603 | 603 |
| Therms Per Commercial Customer | 4,306 | 4,306 | 4,322 | 4,305 | 4,305 | 4,305 | 4,321 | 4,305 | 4,305 | 4,304 |
| Therms Per Industrial Customer | 29,337 | 29,337 | 29,514 | 29,337 | 29,332 | 29,332 | 30,757 | 31,948 | 31,948 | 31,948 |
| Residential Customers | 15,644 | 16,180 | 16,716 | 17,252 | 17,787 | 18,323 | 18,859 | 19,395 | 19,931 | 20,467 |
| Commercial Customers | 2,451 | 2,509 | 2,568 | 2,626 | 2,685 | 2,743 | 2,802 | 2,860 | 2,919 | 2,977 |
| Industrial Customers | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 18,104 | 18,699 | 19,293 | 19,888 | 20,482 | 21,076 | 21,672 | 22,266 | 22,861 | 23,455 |

| Longview South Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 1.69% | 1.30% | 1.29% | 1.35% | 1.82% | 0.97% | 1.79% | 1.43% |
| Residential Therms | 772,059 | 786,766 | 804,869 | 816,581 | 831,711 | 847,296 | 867,061 | 879,556 | 895,951 | 912,584 |
| Commercial Therms | 3,084,536 | 3,121,608 | 3,172,780 | 3,199,494 | 3,239,856 | 3,283,071 | 3,342,298 | 3,374,615 | 3,421,565 | 3,470,971 |
| Industrial Therms | 173,051 | 173,051 | 174,150 | 190,701 | 190,611 | 190,611 | 191,874 | 190,701 | 208,351 | 208,351 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 4,121,346 | 4,173,126 | 4,243,500 | 4,298,476 | 4,353,879 | 4,412,678 | 4,492,933 | 4,536,572 | 4,617,567 | 4,683,606 |
| Daily Baseload Therms | 3,782 | 3,826 | 3,877 | 3,942 | 3,996 | 4,048 | 4,103 | 4,161 | 4,234 | 4,296 |
| Peak Day Therms | 43,073 | 43,622 | 44,210 | 44,974 | 45,566 | 46,194 | 46,826 | 47,463 | 48,311 | 49,023 |
| Therms Per Residential Customer | 398 | 398 | 400 | 398 | 398 | 398 | 400 | 398 | 398 | 398 |
| Therms Per Commercial Customer | 3,447 | 3,447 | 3,461 | 3,446 | 3,445 | 3,445 | 3,460 | 3,446 | 3,446 | 3,445 |
| Therms Per Industrial Customer | 11,537 | 11,537 | 11,610 | 11,919 | 11,913 | 11,913 | 11,992 | 11,919 | 12,256 | 12,256 |
| Residential Customers | 1,939 | 1,976 | 2,013 | 2,051 | 2,090 | 2,129 | 2,169 | 2,209 | 2,251 | 2,293 |
| Commercial Customers | 895 | 906 | 917 | 928 | 941 | 953 | 966 | 979 | 993 | 1,008 |
| Industrial Customers | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,850 | 2,897 | 2,946 | 2,996 | 3,047 | 3,099 | 3,152 | 3,206 | 3,262 | 3,318 |

| Sedro-Woolley Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.29% | 1.64% | 0.80% | 1.26% | 1.22% | 1.65% | 0.85% | 1.22% | 1.26% |
| Residential Therms | 17,291,402 | 17,476,973 | 17,734,749 | 17,849,013 | 18,039,948 | 18,237,254 | 18,519,094 | 18,646,476 | 18,856,293 | 19,070,706 |
| Commercial Therms | 9,534,284 | 9,655,011 | 9,815,466 | 9,895,802 | 10,015,367 | 10,136,154 | 10,299,614 | 10,378,017 | 10,498,830 | 10,619,375 |
| Industrial Therms | 1,322,209 | 1,379,697 | 1,427,816 | 1,465,928 | 1,523,220 | 1,566,330 | 1,615,307 | 1,667,134 | 1,710,249 | 1,767,737 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 28,147,895 | 28,511,680 | 28,978,032 | 29,210,743 | 29,578,535 | 29,939,738 | 30,434,015 | 30,691,627 | 31,065,373 | 31,457,817 |
| Daily Baseload Therms | 24,391 | 24,746 | 25,074 | 25,409 | 25,772 | 26,110 | 26,454 | 26,827 | 27,174 | 27,554 |
| Peak Day Therms | 275,914 | 279,330 | 282,702 | 286,079 | 289,636 | 293,129 | 296,635 | 300,320 | 303,934 | 307,678 |
| Therms Per Residential Customer | 680 | 680 | 682 | 680 | 679 | 679 | 682 | 679 | 679 | 679 |
| Therms Per Commercial Customer | 2,896 | 2,896 | 2,908 | 2,896 | 2,895 | 2,895 | 2,908 | 2,896 | 2,896 | 2,896 |
| Therms Per Industrial Customer | 14,372 | 14,372 | 14,422 | 14,372 | 14,370 | 14,370 | 14,422 | 14,372 | 14,372 | 14,372 |
| Residential Customers | 25,447 | 25,719 | 25,989 | 26,268 | 26,552 | 26,843 | 27,140 | 27,443 | 27,752 | 28,068 |
| Commercial Customers | 3,292 | 3,334 | 3,376 | 3,417 | 3,459 | 3,501 | 3,542 | 3,584 | 3,626 | 3,667 |
| Industrial Customers | 92 | 96 | 99 | 102 | 106 | 109 | 112 | 116 | 119 | 123 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 28,831 | 29,149 | 29,463 | 29,787 | 30,117 | 30,453 | 30,794 | 31,143 | 31,497 | 31,859 |

| Sumas SPE Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.48% | 1.92% | 1.13% | 1.55% | 1.58% | 2.02% | 1.25% | 1.65% | 1.66% |
| Residential Therms | 31,051,266 | 31,459,459 | 32,010,451 | 32,311,105 | 32,751,045 | 33,203,740 | 33,807,007 | 34,143,119 | 34,628,206 | 35,124,072 |
| Commercial Therms | 15,617,833 | 15,875,718 | 16,210,820 | 16,431,468 | 16,728,079 | 17,039,087 | 17,432,376 | 17,702,067 | 18,053,106 | 18,416,422 |
| Industrial Therms | 1,085,235 | 1,124,772 | 1,168,055 | 1,203,750 | 1,243,283 | 1,282,910 | 1,326,709 | 1,377,384 | 1,419,293 | 1,458,720 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 47,754,334 | 48,459,949 | 49,389,327 | 49,946,324 | 50,722,407 | 51,525,737 | 52,566,092 | 53,222,570 | 54,100,606 | 54,999,214 |
| Daily Baseload Therms | 43,628 | 44,275 | 44,946 | 45,643 | 46,365 | 47,116 | 47,886 | 48,687 | 49,509 | 50,357 |
| Peak Day Therms | 484,865 | 492,058 | 499,456 | 507,140 | 515,030 | 523,169 | 531,535 | 540,165 | 549,023 | 558,108 |
| Therms Per Residential Customer | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 |
| Therms Per Commercial Customer | 3,031 | 3,031 | 3,043 | 3,031 | 3,030 | 3,030 | 3,042 | 3,030 | 3,030 | 3,030 |
| Therms Per Industrial Customer | 19,761 | 19,762 | 19,826 | 19,761 | 19,761 | 19,762 | 19,826 | 19,747 | 19,758 | 19,757 |
| Residential Customers | 43,846 | 44,422 | 45,017 | 45,627 | 46,252 | 46,892 | 47,548 | 48,218 | 48,904 | 49,606 |
| Commercial Customers | 5,153 | 5,238 | 5,328 | 5,422 | 5,520 | 5,623 | 5,730 | 5,842 | 5,958 | 6,078 |
| Industrial Customers | 55 | 57 | 59 | 61 | 63 | 65 | 67 | 70 | 72 | 74 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 49,054 | 49,717 | 50,403 | 51,110 | 51,835 | 52,580 | 53,345 | 54,130 | 54,934 | 55,757 |

| Yakima Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 1.62% | 0.75% | 1.22% | 1.21% | 1.68% | 0.88% | 1.25% | 1.33% |
| Residential Therms | 12,502,649 | 12,643,861 | 12,835,446 | 12,913,501 | 13,048,299 | 13,188,170 | 13,392,663 | 13,481,735 | 13,633,366 | 13,788,273 |
| Commercial Therms | 12,182,727 | 12,325,876 | 12,525,996 | 12,627,272 | 12,784,084 | 12,948,634 | 13,175,452 | 13,294,945 | 13,475,141 | 13,660,874 |
| Industrial Therms | 2,923,844 | 2,988,858 | 3,052,248 | 3,088,613 | 3,150,178 | 3,200,375 | 3,266,617 | 3,321,179 | 3,369,006 | 3,435,624 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 27,818,687 | 28,168,061 | 28,623,157 | 28,838,853 | 29,192,027 | 29,546,646 | 30,044,199 | 30,307,325 | 30,686,980 | 31,094,238 |
| Daily Baseload Therms | 20,678 | 20,902 | 21,197 | 21,451 | 21,765 | 22,031 | 22,304 | 22,639 | 22,921 | 23,268 |
| Peak Day Therms | 294,038 | 297,348 | 300,675 | 304,407 | 307,909 | 311,537 | 315,584 | 319,418 | 323,700 | 327,687 |
| Therms Per Residential Customer | 666 | 666 | 669 | 666 | 666 | 666 | 669 | 666 | 666 | 666 |
| Therms Per Commercial Customer | 3,571 | 3,571 | 3,586 | 3,570 | 3,569 | 3,569 | 3,585 | 3,569 | 3,569 | 3,569 |
| Therms Per Industrial Customer | 37,365 | 37,439 | 37,643 | 37,514 | 37,539 | 37,615 | 37,764 | 37,705 | 37,713 | 37,754 |
| Residential Customers | 18,786 | 18,980 | 19,180 | 19,385 | 19,595 | 19,809 | 20,028 | 20,253 | 20,483 | 20,718 |
| Commercial Customers | 3,412 | 3,452 | 3,494 | 3,537 | 3,582 | 3,628 | 3,676 | 3,725 | 3,775 | 3,828 |
| Industrial Customers | 78 | 80 | 81 | 82 | 84 | 85 | 87 | 88 | 89 | 91 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 22,277 | 22,513 | 22,757 | 23,006 | 23,262 | 23,523 | 23,792 | 24,068 | 24,350 | 24,639 |

| Zone 10 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 1.82% | 0.87% | 1.35% | 1.41% | 1.55% | 1.16% | 1.45% | 1.31% |
| Residential Therms | 3,100,817 | 3,141,614 | 3,195,598 | 3,221,569 | 3,260,944 | 3,301,843 | 3,359,140 | 3,386,760 | 3,430,173 | 3,474,682 |
| Commercial Therms | 4,977,935 | 5,041,598 | 5,128,830 | 5,176,071 | 5,244,589 | 5,316,888 | 5,413,804 | 5,466,563 | 5,546,546 | 5,625,130 |
| Industrial Therms | 1,494,056 | 1,511,026 | 1,547,700 | 1,561,369 | 1,589,143 | 1,618,906 | 1,624,184 | 1,664,879 | 1,694,876 | 1,712,362 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 9,639,940 | 9,761,369 | 9,939,258 | 10,026,140 | 10,161,808 | 10,304,767 | 10,464,259 | 10,585,332 | 10,738,726 | 10,879,304 |
| Daily Baseload Therms | 10,133 | 10,272 | 10,431 | 10,588 | 10,743 | 10,901 | 11,005 | 11,165 | 11,398 | 11,509 |
| Peak Day Therms | 98,184 | 99,317 | 100,690 | 101,865 | 103,265 | 104,672 | 105,928 | 107,650 | 109,058 | 110,589 |
| Therms Per Residential Customer | 586 | 586 | 589 | 586 | 586 | 586 | 588 | 586 | 586 | 586 |
| Therms Per Commercial Customer | 3,586 | 3,586 | 3,600 | 3,585 | 3,584 | 3,583 | 3,598 | 3,583 | 3,583 | 3,583 |
| Therms Per Industrial Customer | 26,920 | 26,943 | 26,878 | 26,882 | 26,897 | 26,982 | 27,070 | 27,035 | 26,903 | 26,966 |
| Residential Customers | 5,291 | 5,358 | 5,425 | 5,494 | 5,564 | 5,636 | 5,708 | 5,782 | 5,857 | 5,934 |
| Commercial Customers | 1,388 | 1,406 | 1,425 | 1,444 | 1,463 | 1,484 | 1,505 | 1,526 | 1,548 | 1,570 |
| Industrial Customers | 56 | 56 | 58 | 58 | 59 | 60 | 60 | 62 | 63 | 64 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,736 | 6,821 | 6,908 | 6,997 | 7,088 | 7,181 | 7,274 | 7,370 | 7,469 | 7,568 |

| Zone 11 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.15% | 1.37% | 0.55% | 1.00% | 1.09% | 1.49% | 0.69% | 1.06% | 1.18% |
| Residential Therms | 14,159,821 | 14,296,476 | 14,489,386 | 14,555,936 | 14,685,094 | 14,819,845 | 15,026,325 | 15,104,317 | 15,251,468 | 15,401,552 |
| Commercial Therms | 19,188,854 | 19,364,158 | 19,630,128 | 19,742,326 | 19,942,646 | 20,152,055 | 20,456,125 | 20,603,999 | 20,839,674 | 21,077,770 |
| Industrial Therms | 4,229,794 | 4,354,186 | 4,420,590 | 4,455,151 | 4,516,253 | 4,600,506 | 4,684,266 | 4,735,669 | 4,783,497 | 4,881,012 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 37,787,936 | 38,224,287 | 38,749,571 | 38,962,879 | 39,353,460 | 39,781,873 | 40,376,184 | 40,653,452 | 41,084,106 | 41,569,800 |
| Daily Baseload Therms | 35,841 | 36,198 | 36,510 | 36,800 | 37,151 | 37,556 | 37,840 | 38,203 | 38,508 | 39,014 |
| Peak Day Therms | 355,078 | 358,458 | 361,716 | 365,270 | 368,719 | 372,464 | 376,409 | 380,242 | 384,404 | 388,471 |
| Therms Per Residential Customer | 647 | 648 | 652 | 649 | 649 | 649 | 652 | 650 | 650 | 650 |
| Therms Per Commercial Customer | 4,103 | 4,101 | 4,116 | 4,097 | 4,094 | 4,092 | 4,108 | 4,090 | 4,089 | 4,087 |
| Therms Per Industrial Customer | 37,294 | 37,482 | 37,649 | 37,517 | 37,531 | 37,735 | 37,802 | 37,734 | 37,740 | 37,911 |
| Residential Customers | 21,870 | 22,052 | 22,240 | 22,432 | 22,629 | 22,831 | 23,038 | 23,251 | 23,470 | 23,693 |
| Commercial Customers | 4,677 | 4,722 | 4,770 | 4,819 | 4,871 | 4,924 | 4,980 | 5,037 | 5,097 | 5,157 |
| Industrial Customers | 113 | 116 | 117 | 119 | 120 | 122 | 124 | 126 | 127 | 129 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 26,662 | 26,892 | 27,129 | 27,372 | 27,622 | 27,879 | 28,144 | 28,416 | 28,695 | 28,982 |

| Zone 20 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.60% | 2.86% | 2.09% | 2.38% | 2.42% | 2.89% | 1.88% | 2.20% | 2.25% |
| Residential Therms | 15,972,745 | 16,466,481 | 17,037,966 | 17,465,110 | 17,968,535 | 18,477,828 | 19,075,814 | 19,509,896 | 20,030,985 | 20,555,955 |
| Commercial Therms | 15,944,759 | 16,275,094 | 16,677,980 | 16,949,425 | 17,283,855 | 17,624,633 | 18,042,437 | 18,315,423 | 18,662,105 | 19,004,309 |
| Industrial Therms | 1,004,544 | 1,047,772 | 1,052,001 | 1,087,447 | 1,102,731 | 1,141,592 | 1,214,562 | 1,236,259 | 1,236,259 | 1,275,133 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 33,314,814 | 34,182,111 | 35,160,712 | 35,894,747 | 36,747,886 | 37,636,818 | 38,725,578 | 39,454,342 | 40,322,113 | 41,228,161 |
| Daily Baseload Therms | 30,951 | 31,749 | 32,467 | 33,304 | 34,065 | 34,878 | 35,792 | 36,536 | 37,281 | 38,114 |
| Peak Day Therms | 445,258 | 456,486 | 467,401 | 478,802 | 490,024 | 501,683 | 513,815 | 525,151 | 536,756 | 548,576 |
| Therms Per Residential Customer | 589 | 589 | 591 | 589 | 589 | 589 | 591 | 589 | 588 | 588 |
| Therms Per Commercial Customer | 4,177 | 4,178 | 4,195 | 4,179 | 4,179 | 4,180 | 4,198 | 4,182 | 4,183 | 4,183 |
| Therms Per Industrial Customer | 25,272 | 25,607 | 25,711 | 25,892 | 25,645 | 25,945 | 26,645 | 26,875 | 26,875 | 27,130 |
| Residential Customers | 27,138 | 27,976 | 28,821 | 29,674 | 30,532 | 31,398 | 32,271 | 33,152 | 34,039 | 34,933 |
| Commercial Customers | 3,817 | 3,896 | 3,976 | 4,056 | 4,136 | 4,216 | 4,298 | 4,380 | 4,462 | 4,543 |
| Industrial Customers | 40 | 41 | 41 | 42 | 43 | 44 | 46 | 46 | 46 | 47 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 30,997 | 31,915 | 32,840 | 33,774 | 34,713 | 35,661 | 36,617 | 37,579 | 38,548 | 39,525 |

| Zone 24 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 2.07% | 0.80% | 1.53% | 1.23% | 1.94% | 0.85% | 1.60% | 1.19% |
| Residential Therms | 4,000,833 | 4,021,232 | 4,060,627 | 4,062,524 | 4,083,411 | 4,105,190 | 4,147,227 | 4,150,442 | 4,173,540 | 4,197,165 |
| Commercial Therms | 3,898,309 | 3,913,570 | 3,946,461 | 3,944,399 | 3,959,442 | 3,976,999 | 4,012,445 | 4,012,260 | 4,030,865 | 4,050,185 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,661,932 | 9,783,191 | 9,985,403 | 10,065,026 | 10,219,467 | 10,345,117 | 10,545,927 | 10,635,867 | 10,806,083 | 10,934,595 |
| Daily Baseload Therms | 8,289 | 8,586 | 8,747 | 9,045 | 9,205 | 9,506 | 9,667 | 9,969 | 10,132 | 10,434 |
| Peak Day Therms | 111,803 | 112,899 | 114,693 | 115,809 | 117,604 | 118,758 | 120,599 | 121,729 | 123,589 | 124,756 |
| Therms Per Residential Customer | 567 | 567 | 570 | 568 | 568 | 568 | 571 | 568 | 569 | 569 |
| Therms Per Commercial Customer | 2,738 | 2,738 | 2,749 | 2,737 | 2,736 | 2,735 | 2,748 | 2,735 | 2,735 | 2,735 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 7,056 | 7,090 | 7,123 | 7,158 | 7,193 | 7,229 | 7,265 | 7,303 | 7,341 | 7,380 |
| Commercial Customers | 1,424 | 1,430 | 1,435 | 1,441 | 1,447 | 1,454 | 1,460 | 1,467 | 1,474 | 1,481 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,507 | 8,548 | 8,589 | 8,631 | 8,673 | 8,717 | 8,762 | 8,807 | 8,854 | 8,901 |

| Zone 26 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.14% | 1.55% | 1.99% | 1.32% | 1.22% | 1.68% | 0.84% | 1.88% | 1.30% |
| Residential Therms | 1,438,614 | 1,465,361 | 1,499,595 | 1,521,285 | 1,549,474 | 1,578,473 | 1,615,216 | 1,638,989 | 1,669,393 | 1,700,239 |
| Commercial Therms | 4,301,264 | 4,351,271 | 4,419,342 | 4,491,320 | 4,556,325 | 4,614,246 | 4,695,110 | 4,736,442 | 4,798,318 | 4,865,035 |
| Industrial Therms | 877,476 | 877,476 | 880,594 | 923,913 | 923,487 | 923,487 | 927,194 | 923,913 | 970,350 | 970,350 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,709,053 | 6,785,808 | 6,891,232 | 7,028,218 | 7,120,986 | 7,207,906 | 7,329,220 | 7,391,044 | 7,529,762 | 7,627,324 |
| Daily Baseload Therms | 8,052 | 8,131 | 8,204 | 8,469 | 8,552 | 8,632 | 8,725 | 8,818 | 8,985 | 9,088 |
| Peak Day Therms | 63,017 | 63,794 | 64,604 | 65,756 | 66,845 | 67,695 | 68,601 | 69,508 | 70,764 | 71,758 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,598 | 3,596 | 3,609 | 3,618 | 3,625 | 3,623 | 3,636 | 3,618 | 3,617 | 3,614 |
| Therms Per Industrial Customer | 27,421 | 27,421 | 27,519 | 27,174 | 27,161 | 27,161 | 27,270 | 27,174 | 26,954 | 26,954 |
| Residential Customers | 2,832 | 2,885 | 2,940 | 2,995 | 3,052 | 3,109 | 3,168 | 3,228 | 3,288 | 3,349 |
| Commercial Customers | 1,195 | 1,210 | 1,224 | 1,241 | 1,257 | 1,274 | 1,291 | 1,309 | 1,327 | 1,346 |
| Industrial Customers | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 36 | 36 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,060 | 4,128 | 4,197 | 4,272 | 4,344 | 4,418 | 4,494 | 4,572 | 4,652 | 4,732 |

| Zone 30-S | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.03% | 1.18% | 0.72% | 1.13% | 1.16% | 1.54% | 0.77% | 1.21% | 1.23% |
| Residential Therms | 24,080,399 | 24,378,230 | 24,785,128 | 24,994,903 | 25,311,936 | 25,638,137 | 26,080,475 | 26,313,110 | 26,660,741 | 27,015,707 |
| Commercial Therms | 14,563,842 | 14,699,911 | 14,901,067 | 14,995,449 | 15,152,840 | 15,318,331 | 15,551,736 | 15,670,882 | 15,858,079 | 16,051,106 |
| Industrial Therms | 816,799 | 802,046 | 681,150 | 676,066 | 675,965 | 675,965 | 663,845 | 650,312 | 650,312 | 650,312 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 40,883,497 | 41,302,645 | 41,789,803 | 42,088,875 | 42,563,199 | 43,054,892 | 43,718,514 | 44,056,761 | 44,591,589 | 45,139,583 |
| Daily Baseload Therms | 39,740 | 40,113 | 40,208 | 40,608 | 41,023 | 41,458 | 41,846 | 42,298 | 42,774 | 43,249 |
| Peak Day Therms | 385,396 | 389,672 | 393,504 | 398,089 | 402,808 | 407,682 | 412,520 | 417,669 | 422,924 | 428,349 |
| Therms Per Residential Customer | 672 | 672 | 674 | 672 | 671 | 671 | 674 | 671 | 671 | 671 |
| Therms Per Commercial Customer | 3,869 | 3,867 | 3,880 | 3,863 | 3,861 | 3,859 | 3,872 | 3,856 | 3,854 | 3,852 |
| Therms Per Industrial Customer | 28,660 | 28,644 | 25,228 | 25,039 | 25,036 | 25,036 | 25,289 | 25,012 | 25,012 | 25,012 |
| Residential Customers | 35,849 | 36,294 | 36,750 | 37,218 | 37,695 | 38,184 | 38,683 | 39,192 | 39,713 | 40,244 |
| Commercial Customers | 3,764 | 3,802 | 3,841 | 3,882 | 3,925 | 3,970 | 4,016 | 4,065 | 4,115 | 4,167 |
| Industrial Customers | 29 | 28 | 27 | 27 | 27 | 27 | 26 | 26 | 26 | 26 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 39,643 | 40,126 | 40,620 | 41,129 | 41,649 | 42,182 | 42,727 | 43,285 | 43,856 | 44,439 |

| Zone 30-W | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.42% | 1.83% | 1.01% | 1.44% | 1.46% | 1.90% | 1.21% | 1.48% | 1.51% |
| Residential Therms | 57,789,458 | 58,521,722 | 59,523,786 | 60,047,618 | 60,830,778 | 61,650,208 | 62,740,928 | 63,339,596 | 64,204,926 | 65,100,032 |
| Commercial Therms | 30,975,324 | 31,433,824 | 32,023,133 | 32,364,535 | 32,844,819 | 33,345,425 | 33,990,119 | 34,375,425 | 34,909,231 | 35,457,981 |
| Industrial Therms | 3,223,474 | 3,342,419 | 3,455,612 | 3,546,466 | 3,664,341 | 3,767,927 | 3,906,037 | 4,140,468 | 4,246,639 | 4,366,526 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 92,090,277 | 93,399,986 | 95,104,551 | 96,060,640 | 97,441,959 | 98,865,581 | 100,739,103 | 101,957,509 | 103,462,817 | 105,026,559 |
| Daily Baseload Therms | 84,824 | 86,058 | 87,295 | 88,556 | 89,873 | 91,227 | 92,575 | 94,404 | 95,794 | 97,295 |
| Peak Day Therms | 909,714 | 922,634 | 935,804 | 949,115 | 962,867 | 976,947 | 991,220 | 1,006,865 | 1,021,743 | 1,037,259 |
| Therms Per Residential Customer | 700 | 700 | 703 | 700 | 700 | 700 | 703 | 700 | 700 | 701 |
| Therms Per Commercial Customer | 3,081 | 3,081 | 3,093 | 3,080 | 3,079 | 3,079 | 3,090 | 3,077 | 3,077 | 3,076 |
| Therms Per Industrial Customer | 17,369 | 17,281 | 17,271 | 17,146 | 17,070 | 17,011 | 17,088 | 17,385 | 17,327 | 17,253 |
| Residential Customers | 82,501 | 83,549 | 84,622 | 85,728 | 86,859 | 88,020 | 89,208 | 90,422 | 91,664 | 92,933 |
| Commercial Customers | 10,054 | 10,203 | 10,355 | 10,509 | 10,668 | 10,832 | 10,999 | 11,171 | 11,346 | 11,526 |
| Industrial Customers | 186 | 193 | 200 | 207 | 215 | 222 | 229 | 238 | 245 | 253 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 92,742 | 93,947 | 95,178 | 96,445 | 97,743 | 99,074 | 100,436 | 101,832 | 103,256 | 104,714 |

| Zone GTN | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.28% | 2.66% | 1.76% | 2.11% | 2.14% | 2.54% | 1.64% | 2.07% | 2.02% |
| Residential Therms | 32,921,649 | 33,740,586 | 34,728,762 | 35,426,536 | 36,290,609 | 37,174,098 | 38,246,959 | 38,993,593 | 39,925,497 | 40,871,980 |
| Commercial Therms | 19,689,136 | 20,034,644 | 20,466,017 | 20,734,785 | 21,072,457 | 21,411,559 | 21,848,628 | 22,084,847 | 22,413,748 | 22,745,531 |
| Industrial Therms | 2,851,333 | 2,951,337 | 3,039,389 | 3,101,041 | 3,148,635 | 3,219,113 | 3,281,368 | 3,340,483 | 3,414,699 | 3,467,778 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 55,483,056 | 56,747,504 | 58,255,105 | 59,283,298 | 60,532,638 | 61,825,707 | 63,397,893 | 64,439,859 | 65,774,881 | 67,106,227 |
| Daily Baseload Therms | 48,022 | 49,155 | 50,294 | 51,345 | 52,478 | 53,534 | 54,658 | 55,735 | 56,877 | 58,056 |
| Peak Day Therms | 608,213 | 622,178 | 635,178 | 649,194 | 662,748 | 676,846 | 690,678 | 705,025 | 719,596 | 733,734 |
| Therms Per Residential Customer | 737 | 737 | 740 | 737 | 737 | 737 | 740 | 737 | 737 | 737 |
| Therms Per Commercial Customer | 2,903 | 2,902 | 2,915 | 2,903 | 2,903 | 2,902 | 2,915 | 2,903 | 2,902 | 2,903 |
| Therms Per Industrial Customer | 29,471 | 29,464 | 29,533 | 29,278 | 29,132 | 29,045 | 29,039 | 28,859 | 28,776 | 28,620 |
| Residential Customers | 44,699 | 45,805 | 46,933 | 48,083 | 49,256 | 50,452 | 51,672 | 52,912 | 54,175 | 55,458 |
| Commercial Customers | 6,783 | 6,903 | 7,021 | 7,142 | 7,259 | 7,377 | 7,494 | 7,609 | 7,722 | 7,836 |
| Industrial Customers | 97 | 100 | 103 | 106 | 108 | 111 | 113 | 116 | 119 | 121 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 51,579 | 52,809 | 54,058 | 55,332 | 56,625 | 57,941 | 59,280 | 60,637 | 62,017 | 63,416 |

| Zone ME-OR | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.53% | 1.97% | 1.16% | 1.04% | 1.65% | 2.07% | 0.73% | 1.70% | 1.72% |
| Residential Therms | 6,055,217 | 6,146,849 | 6,271,739 | 6,347,659 | 6,456,645 | 6,571,478 | 6,722,563 | 6,819,033 | 6,950,996 | 7,088,238 |
| Commercial Therms | 6,697,396 | 6,743,226 | 6,817,775 | 6,837,627 | 6,889,230 | 6,943,789 | 7,024,692 | 7,053,185 | 7,110,639 | 7,169,389 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 14,679,733 | 14,904,387 | 15,197,984 | 15,373,989 | 15,534,352 | 15,790,937 | 16,118,142 | 16,235,313 | 16,511,924 | 16,795,112 |
| Daily Baseload Therms | 14,729 | 15,012 | 15,310 | 15,607 | 15,743 | 16,054 | 16,372 | 16,525 | 16,856 | 17,187 |
| Peak Day Therms | 174,023 | 176,481 | 178,939 | 181,598 | 183,689 | 186,485 | 189,315 | 191,634 | 194,762 | 197,939 |
| Therms Per Residential Customer | 564 | 564 | 566 | 564 | 564 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,634 | 3,634 | 3,649 | 3,633 | 3,633 | 3,633 | 3,647 | 3,633 | 3,633 | 3,632 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 10,738 | 10,903 | 11,076 | 11,262 | 11,457 | 11,662 | 11,878 | 12,103 | 12,338 | 12,582 |
| Commercial Customers | 1,843 | 1,855 | 1,869 | 1,882 | 1,896 | 1,911 | 1,926 | 1,942 | 1,958 | 1,974 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 12,613 | 12,790 | 12,979 | 13,178 | 13,388 | 13,609 | 13,840 | 14,081 | 14,333 | 14,595 |

| Zone ME-WA | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.01% | 1.42% | 0.62% | 1.04% | 1.05% | 1.48% | 0.66% | 1.08% | 1.09% |
| Residential Therms | 6,466,540 | 6,548,703 | 6,659,906 | 6,716,568 | 6,801,870 | 6,888,856 | 7,006,930 | 7,066,941 | 7,157,531 | 7,249,398 |
| Commercial Therms | 4,189,169 | 4,231,955 | 4,293,727 | 4,321,566 | 4,369,337 | 4,418,179 | 4,487,605 | 4,520,774 | 4,573,629 | 4,628,545 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,406,594 | 12,531,544 | 12,709,980 | 12,789,019 | 12,922,091 | 13,057,920 | 13,250,884 | 13,338,600 | 13,482,046 | 13,628,829 |
| Daily Baseload Therms | 10,397 | 10,490 | 10,587 | 10,685 | 10,787 | 10,889 | 10,996 | 11,103 | 11,214 | 11,326 |
| Peak Day Therms | 164,058 | 165,789 | 167,537 | 169,301 | 171,122 | 172,967 | 174,861 | 176,771 | 178,746 | 180,737 |
| Therms Per Residential Customer | 578 | 578 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,246 | 3,246 | 3,259 | 3,246 | 3,246 | 3,245 | 3,259 | 3,245 | 3,245 | 3,245 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,196 | 11,339 | 11,484 | 11,631 | 11,780 | 11,932 | 12,085 | 12,241 | 12,398 | 12,558 |
| Commercial Customers | 1,291 | 1,304 | 1,317 | 1,331 | 1,346 | 1,361 | 1,377 | 1,393 | 1,410 | 1,426 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,505 | 12,661 | 12,819 | 12,981 | 13,145 | 13,311 | 13,480 | 13,652 | 13,826 | 14,002 |

| Bellingham Disctrict | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.48% | 1.93% | 1.11% | 1.54% | 1.60% | 2.00% | 1.26% | 1.64% | 1.68% |
| Residential Therms | 31,623,174 | 32,034,202 | 32,600,599 | 32,902,105 | 33,345,290 | 33,812,594 | 34,421,548 | 34,770,193 | 35,259,114 | 35,769,524 |
| Commercial Therms | 15,809,139 | 16,076,251 | 16,415,075 | 16,635,246 | 16,934,102 | 17,252,740 | 17,648,416 | 17,920,822 | 18,275,334 | 18,646,864 |
| Industrial Therms | 1,085,917 | 1,125,454 | 1,168,740 | 1,204,433 | 1,243,965 | 1,283,593 | 1,327,393 | 1,378,067 | 1,419,976 | 1,459,403 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 48,518,231 | 49,235,907 | 50,184,414 | 50,741,783 | 51,523,358 | 52,348,927 | 53,397,357 | 54,069,082 | 54,954,424 | 55,875,791 |
| Daily Baseload Therms | 44,690 | 45,346 | 46,048 | 46,746 | 47,470 | 48,256 | 49,028 | 49,861 | 50,683 | 51,570 |
| Peak Day Therms | 491,536 | 498,841 | 506,405 | 514,102 | 522,021 | 530,396 | 538,797 | 547,593 | 556,478 | 565,814 |
| Therms Per Residential Customer | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 |
| Therms Per Commercial Customer | 3,044 | 3,044 | 3,056 | 3,044 | 3,043 | 3,044 | 3,055 | 3,043 | 3,043 | 3,043 |
| Therms Per Industrial Customer | 19,391 | 19,404 | 19,479 | 19,426 | 19,437 | 19,448 | 19,520 | 19,455 | 19,474 | 19,480 |
| Residential Customers | 44,034 | 44,612 | 45,209 | 45,822 | 46,449 | 47,092 | 47,751 | 48,424 | 49,113 | 49,817 |
| Commercial Customers | 5,194 | 5,281 | 5,371 | 5,466 | 5,565 | 5,668 | 5,776 | 5,889 | 6,006 | 6,127 |
| Industrial Customers | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 71 | 73 | 75 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 49,284 | 49,950 | 50,640 | 51,349 | 52,077 | 52,827 | 53,595 | 54,384 | 55,191 | 56,020 |

| Mount Vernon District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.36% | 1.71% | 0.89% | 1.32% | 1.30% | 1.77% | 1.15% | 1.29% | 1.32% |
| Residential Therms | 26,166,283 | 26,487,521 | 26,923,187 | 27,145,514 | 27,485,488 | 27,837,614 | 28,319,380 | 28,569,403 | 28,945,812 | 29,330,507 |
| Commercial Therms | 15,166,185 | 15,357,573 | 15,608,058 | 15,729,289 | 15,910,717 | 16,092,686 | 16,341,702 | 16,454,603 | 16,633,897 | 16,811,117 |
| Industrial Therms | 2,137,557 | 2,216,965 | 2,286,872 | 2,342,034 | 2,420,376 | 2,484,334 | 2,578,644 | 2,762,401 | 2,826,664 | 2,907,123 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 43,572,046 | 44,164,079 | 44,920,137 | 45,318,857 | 45,918,601 | 46,516,654 | 47,341,746 | 47,888,428 | 48,508,393 | 49,150,768 |
| Daily Baseload Therms | 40,134 | 40,712 | 41,247 | 41,810 | 42,403 | 42,971 | 43,547 | 44,543 | 45,111 | 45,725 |
| Peak Day Therms | 418,178 | 423,793 | 429,399 | 435,012 | 440,847 | 446,551 | 452,423 | 459,272 | 465,265 | 471,445 |
| Therms Per Residential Customer | 680 | 680 | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 680 |
| Therms Per Commercial Customer | 3,120 | 3,120 | 3,132 | 3,119 | 3,118 | 3,117 | 3,129 | 3,116 | 3,115 | 3,114 |
| Therms Per Industrial Customer | 16,496 | 16,371 | 16,325 | 16,171 | 16,064 | 15,976 | 16,058 | 16,508 | 16,418 | 16,317 |
| Residential Customers | 38,467 | 38,938 | 39,414 | 39,906 | 40,410 | 40,928 | 41,457 | 41,998 | 42,551 | 43,116 |
| Commercial Customers | 4,860 | 4,922 | 4,983 | 5,044 | 5,104 | 5,163 | 5,223 | 5,282 | 5,340 | 5,399 |
| Industrial Customers | 130 | 135 | 140 | 145 | 151 | 156 | 161 | 167 | 172 | 178 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 43,458 | 43,997 | 44,538 | 45,096 | 45,666 | 46,247 | 46,841 | 47,448 | 48,064 | 48,694 |

| Bremerton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 1.32% | 0.91% | 1.32% | 1.34% | 1.77% | 0.98% | 1.39% | 1.41% |
| Residential Therms | 21,638,788 | 21,930,575 | 22,320,591 | 22,533,580 | 22,843,697 | 23,161,499 | 23,584,051 | 23,817,871 | 24,155,729 | 24,500,295 |
| Commercial Therms | 11,343,393 | 11,490,801 | 11,690,180 | 11,806,060 | 11,973,512 | 12,147,094 | 12,375,391 | 12,514,001 | 12,707,040 | 12,907,534 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 34,871,880 | 35,311,075 | 35,778,369 | 36,103,358 | 36,580,927 | 37,072,312 | 37,727,041 | 38,095,591 | 38,626,487 | 39,171,548 |
| Daily Baseload Therms | 33,167 | 33,554 | 33,656 | 34,069 | 34,491 | 34,926 | 35,374 | 35,831 | 36,307 | 36,786 |
| Peak Day Therms | 329,048 | 333,382 | 337,223 | 341,818 | 346,540 | 351,402 | 356,379 | 361,509 | 366,706 | 372,098 |
| Therms Per Residential Customer | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,731 | 3,731 | 3,746 | 3,731 | 3,731 | 3,731 | 3,745 | 3,731 | 3,731 | 3,731 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 32,374 | 32,811 | 33,258 | 33,715 | 34,181 | 34,658 | 35,144 | 35,641 | 36,147 | 36,664 |
| Commercial Customers | 3,040 | 3,080 | 3,121 | 3,164 | 3,209 | 3,256 | 3,304 | 3,354 | 3,406 | 3,460 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 35,431 | 35,908 | 36,395 | 36,895 | 37,407 | 37,930 | 38,465 | 39,011 | 39,569 | 40,140 |

| Longview District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.18% | 1.59% | 1.52% | 1.18% | 1.26% | 1.73% | 0.88% | 1.94% | 1.34% |
| Residential Therms | 1,438,614 | 1,465,361 | 1,499,595 | 1,521,285 | 1,549,474 | 1,578,473 | 1,615,216 | 1,638,989 | 1,669,393 | 1,700,239 |
| Commercial Therms | 4,106,089 | 4,156,096 | 4,223,650 | 4,260,422 | 4,312,559 | 4,370,480 | 4,450,495 | 4,492,473 | 4,554,350 | 4,621,066 |
| Industrial Therms | 877,476 | 877,476 | 880,594 | 923,913 | 923,487 | 923,487 | 927,194 | 923,913 | 970,350 | 970,350 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,513,878 | 6,590,633 | 6,695,540 | 6,797,321 | 6,877,221 | 6,964,141 | 7,084,604 | 7,147,075 | 7,285,793 | 7,383,355 |
| Daily Baseload Therms | 7,672 | 7,750 | 7,823 | 7,992 | 8,075 | 8,156 | 8,248 | 8,342 | 8,509 | 8,612 |
| Peak Day Therms | 62,131 | 62,907 | 63,717 | 64,869 | 65,737 | 66,587 | 67,492 | 68,399 | 69,656 | 70,649 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,446 | 3,446 | 3,461 | 3,446 | 3,444 | 3,445 | 3,460 | 3,445 | 3,446 | 3,445 |
| Therms Per Industrial Customer | 27,421 | 27,421 | 27,519 | 27,174 | 27,161 | 27,161 | 27,270 | 27,174 | 26,954 | 26,954 |
| Residential Customers | 2,832 | 2,885 | 2,940 | 2,995 | 3,052 | 3,109 | 3,168 | 3,228 | 3,288 | 3,349 |
| Commercial Customers | 1,191 | 1,206 | 1,220 | 1,236 | 1,252 | 1,269 | 1,286 | 1,304 | 1,322 | 1,341 |
| Industrial Customers | 32 | 32 | 32 | 34 | 34 | 34 | 34 | 34 | 36 | 36 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,056 | 4,124 | 4,193 | 4,267 | 4,339 | 4,413 | 4,489 | 4,567 | 4,647 | 4,727 |

| Aberdeen District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.33% | 0.33% | -0.43% | -0.05% | 0.01% | 0.15% | -0.51% | 0.07% | 0.05% |
| Residential Therms | 2,441,610 | 2,447,655 | 2,464,537 | 2,461,323 | 2,468,239 | 2,476,638 | 2,496,424 | 2,495,239 | 2,505,012 | 2,515,412 |
| Commercial Therms | 3,220,448 | 3,209,110 | 3,210,888 | 3,189,389 | 3,179,328 | 3,171,237 | 3,176,345 | 3,156,881 | 3,151,039 | 3,143,572 |
| Industrial Therms | 349,558 | 334,805 | 336,009 | 334,805 | 334,704 | 334,704 | 318,705 | 309,051 | 309,051 | 309,051 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,011,617 | 5,991,570 | 6,011,434 | 5,985,517 | 5,982,271 | 5,982,580 | 5,991,473 | 5,961,171 | 5,965,101 | 5,968,035 |
| Daily Baseload Therms | 6,572 | 6,559 | 6,552 | 6,539 | 6,532 | 6,532 | 6,472 | 6,467 | 6,467 | 6,463 |
| Peak Day Therms | 56,347 | 56,290 | 56,280 | 56,271 | 56,268 | 56,279 | 56,141 | 56,160 | 56,219 | 56,251 |
| Therms Per Residential Customer | 703 | 703 | 706 | 703 | 702 | 702 | 706 | 703 | 703 | 703 |
| Therms Per Commercial Customer | 4,446 | 4,446 | 4,462 | 4,446 | 4,445 | 4,444 | 4,463 | 4,446 | 4,446 | 4,446 |
| Therms Per Industrial Customer | 25,893 | 25,754 | 25,847 | 25,754 | 25,746 | 25,746 | 26,017 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,475 | 3,483 | 3,493 | 3,503 | 3,514 | 3,526 | 3,538 | 3,552 | 3,566 | 3,580 |
| Commercial Customers | 724 | 722 | 720 | 717 | 715 | 714 | 712 | 710 | 709 | 707 |
| Industrial Customers | 14 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,213 | 4,218 | 4,225 | 4,233 | 4,242 | 4,252 | 4,262 | 4,274 | 4,286 | 4,299 |

| Kennewick District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.64% | 3.03% | 2.24% | 2.57% | 2.45% | 2.93% | 2.02% | 2.33% | 2.28% |
| Residential Therms | 15,322,837 | 15,817,663 | 16,387,494 | 16,818,690 | 17,323,499 | 17,833,807 | 18,429,877 | 18,867,973 | 19,390,268 | 19,916,444 |
| Commercial Therms | 15,004,502 | 15,330,212 | 15,724,528 | 16,030,741 | 16,373,432 | 16,707,173 | 17,112,934 | 17,382,714 | 17,724,765 | 18,061,591 |
| Industrial Therms | 511,292 | 511,292 | 513,249 | 511,292 | 526,834 | 526,834 | 558,018 | 582,358 | 582,358 | 582,358 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 31,073,594 | 31,894,129 | 32,860,233 | 33,595,685 | 34,458,728 | 35,302,776 | 36,335,792 | 37,068,007 | 37,932,352 | 38,795,354 |
| Daily Baseload Therms | 28,325 | 29,038 | 29,753 | 30,574 | 31,327 | 32,055 | 32,877 | 33,613 | 34,355 | 35,103 |
| Peak Day Therms | 397,562 | 408,208 | 418,844 | 429,689 | 440,762 | 451,623 | 463,144 | 474,080 | 485,253 | 496,407 |
| Therms Per Residential Customer | 588 | 588 | 590 | 588 | 588 | 588 | 591 | 588 | 588 | 588 |
| Therms Per Commercial Customer | 4,259 | 4,258 | 4,274 | 4,264 | 4,267 | 4,265 | 4,282 | 4,264 | 4,263 | 4,262 |
| Therms Per Industrial Customer | 25,565 | 25,565 | 25,662 | 25,565 | 25,087 | 25,087 | 25,854 | 26,471 | 26,471 | 26,471 |
| Residential Customers | 26,065 | 26,905 | 27,752 | 28,606 | 29,467 | 30,335 | 31,210 | 32,092 | 32,981 | 33,877 |
| Commercial Customers | 3,523 | 3,601 | 3,679 | 3,759 | 3,838 | 3,917 | 3,997 | 4,077 | 4,158 | 4,238 |
| Industrial Customers | 20 | 20 | 20 | 20 | 21 | 21 | 22 | 22 | 22 | 22 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 29,609 | 30,527 | 31,453 | 32,387 | 33,326 | 34,274 | 35,229 | 36,192 | 37,162 | 38,138 |

| Walla Walla District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.01% | 1.42% | 0.62% | 1.04% | 1.05% | 1.48% | 0.66% | 1.08% | 1.09% |
| Residential Therms | 6,466,540 | 6,548,703 | 6,659,906 | 6,716,568 | 6,801,870 | 6,888,856 | 7,006,930 | 7,066,941 | 7,157,531 | 7,249,398 |
| Commercial Therms | 4,189,169 | 4,231,955 | 4,293,727 | 4,321,566 | 4,369,337 | 4,418,179 | 4,487,605 | 4,520,774 | 4,573,629 | 4,628,545 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,406,594 | 12,531,544 | 12,709,980 | 12,789,019 | 12,922,091 | 13,057,920 | 13,250,884 | 13,338,600 | 13,482,046 | 13,628,829 |
| Daily Baseload Therms | 10,397 | 10,490 | 10,587 | 10,685 | 10,787 | 10,889 | 10,996 | 11,103 | 11,214 | 11,326 |
| Peak Day Therms | 164,058 | 165,789 | 167,537 | 169,301 | 171,122 | 172,967 | 174,861 | 176,771 | 178,746 | 180,737 |
| Therms Per Residential Customer | 578 | 578 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,246 | 3,246 | 3,259 | 3,246 | 3,246 | 3,245 | 3,259 | 3,245 | 3,245 | 3,245 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,196 | 11,339 | 11,484 | 11,631 | 11,780 | 11,932 | 12,085 | 12,241 | 12,398 | 12,558 |
| Commercial Customers | 1,291 | 1,304 | 1,317 | 1,331 | 1,346 | 1,361 | 1,377 | 1,393 | 1,410 | 1,426 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,505 | 12,661 | 12,819 | 12,981 | 13,145 | 13,311 | 13,480 | 13,652 | 13,826 | 14,002 |

| Wenatchee District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.67% | 0.27% | 0.10% | -0.03% | 0.47% | 0.85% | -0.28% | -0.05% | 0.43% |
| Residential Therms | 1,279,952 | 1,271,658 | 1,267,824 | 1,254,289 | 1,245,136 | 1,236,602 | 1,233,131 | 1,219,639 | 1,211,009 | 1,202,064 |
| Commercial Therms | 5,125,303 | 5,127,415 | 5,148,224 | 5,132,423 | 5,139,450 | 5,145,374 | 5,171,139 | 5,167,217 | 5,172,032 | 5,175,446 |
| Industrial Therms | 1,093,203 | 1,151,013 | 1,155,057 | 1,191,898 | 1,191,422 | 1,230,283 | 1,274,059 | 1,269,619 | 1,269,619 | 1,308,519 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 7,656,260 | 7,707,888 | 7,728,907 | 7,736,413 | 7,733,811 | 7,770,062 | 7,836,132 | 7,814,277 | 7,810,462 | 7,843,831 |
| Daily Baseload Therms | 13,488 | 13,552 | 13,546 | 13,661 | 13,673 | 13,737 | 13,808 | 13,805 | 13,788 | 13,866 |
| Peak Day Therms | 92,446 | 92,739 | 92,730 | 92,998 | 93,130 | 93,639 | 93,962 | 94,168 | 94,316 | 94,689 |
| Therms Per Residential Customer | 520 | 520 | 522 | 521 | 521 | 522 | 524 | 523 | 523 | 523 |
| Therms Per Commercial Customer | 4,901 | 4,902 | 4,919 | 4,904 | 4,904 | 4,907 | 4,926 | 4,914 | 4,916 | 4,918 |
| Therms Per Industrial Customer | 26,993 | 27,460 | 27,556 | 27,665 | 27,654 | 27,908 | 28,260 | 28,162 | 28,162 | 28,395 |
| Residential Customers | 2,464 | 2,446 | 2,427 | 2,409 | 2,390 | 2,371 | 2,352 | 2,334 | 2,316 | 2,296 |
| Commercial Customers | 1,046 | 1,046 | 1,047 | 1,047 | 1,048 | 1,049 | 1,050 | 1,052 | 1,052 | 1,052 |
| Industrial Customers | 41 | 42 | 42 | 43 | 43 | 44 | 45 | 45 | 45 | 46 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,551 | 3,535 | 3,516 | 3,499 | 3,482 | 3,465 | 3,448 | 3,432 | 3,414 | 3,396 |

| Yakima District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.31% | 1.63% | 0.75% | 1.21% | 1.31% | 1.66% | 0.91% | 1.28% | 1.36% |
| Residential Therms | 16,630,594 | 16,815,251 | 17,067,634 | 17,169,636 | 17,345,938 | 17,529,107 | 17,798,271 | 17,913,360 | 18,111,349 | 18,313,680 |
| Commercial Therms | 20,176,918 | 20,418,398 | 20,759,878 | 20,935,555 | 21,201,974 | 21,484,794 | 21,872,908 | 22,080,022 | 22,395,498 | 22,714,141 |
| Industrial Therms | 5,123,900 | 5,250,678 | 5,351,984 | 5,400,777 | 5,489,871 | 5,603,887 | 5,690,935 | 5,784,831 | 5,862,655 | 5,977,631 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 42,208,010 | 42,760,925 | 43,456,094 | 43,782,566 | 44,314,380 | 44,894,386 | 45,638,712 | 46,054,811 | 46,646,099 | 47,282,049 |
| Daily Baseload Therms | 35,492 | 36,009 | 36,491 | 36,933 | 37,435 | 38,019 | 38,429 | 38,962 | 39,520 | 40,144 |
| Peak Day Therms | 409,399 | 414,200 | 419,120 | 424,137 | 429,225 | 434,666 | 440,154 | 445,904 | 451,757 | 457,649 |
| Therms Per Residential Customer | 645 | 646 | 649 | 646 | 646 | 645 | 648 | 645 | 645 | 645 |
| Therms Per Commercial Customer | 3,795 | 3,794 | 3,810 | 3,794 | 3,793 | 3,793 | 3,810 | 3,794 | 3,795 | 3,795 |
| Therms Per Industrial Customer | 34,582 | 34,715 | 34,753 | 34,676 | 34,673 | 34,843 | 34,949 | 34,848 | 34,759 | 34,923 |
| Residential Customers | 25,771 | 26,035 | 26,307 | 26,584 | 26,869 | 27,159 | 27,455 | 27,758 | 28,069 | 28,386 |
| Commercial Customers | 5,317 | 5,381 | 5,449 | 5,518 | 5,590 | 5,664 | 5,741 | 5,820 | 5,902 | 5,986 |
| Industrial Customers | 148 | 151 | 154 | 156 | 158 | 161 | 163 | 166 | 169 | 171 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 31,239 | 31,570 | 31,912 | 32,261 | 32,620 | 32,987 | 33,362 | 33,747 | 34,143 | 34,546 |

| Central Oregon (Bend) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.28% | 2.66% | 1.76% | 2.11% | 2.14% | 2.54% | 1.64% | 2.07% | 2.02% |
| Residential Therms | 32,921,649 | 33,740,586 | 34,728,762 | 35,426,536 | 36,290,609 | 37,174,098 | 38,246,959 | 38,993,593 | 39,925,497 | 40,871,980 |
| Commercial Therms | 19,689,136 | 20,034,644 | 20,466,017 | 20,734,785 | 21,072,457 | 21,411,559 | 21,848,628 | 22,084,847 | 22,413,748 | 22,745,531 |
| Industrial Therms | 2,851,333 | 2,951,337 | 3,039,389 | 3,101,041 | 3,148,635 | 3,219,113 | 3,281,368 | 3,340,483 | 3,414,699 | 3,467,778 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 55,483,056 | 56,747,504 | 58,255,105 | 59,283,298 | 60,532,638 | 61,825,707 | 63,397,893 | 64,439,859 | 65,774,881 | 67,106,227 |
| Daily Baseload Therms | 48,022 | 49,155 | 50,294 | 51,345 | 52,478 | 53,534 | 54,658 | 55,735 | 56,877 | 58,056 |
| Peak Day Therms | 608,213 | 622,178 | 635,178 | 649,194 | 662,748 | 676,846 | 690,678 | 705,025 | 719,596 | 733,734 |
| Therms Per Residential Customer | 737 | 737 | 740 | 737 | 737 | 737 | 740 | 737 | 737 | 737 |
| Therms Per Commercial Customer | 2,903 | 2,902 | 2,915 | 2,903 | 2,903 | 2,902 | 2,915 | 2,903 | 2,902 | 2,903 |
| Therms Per Industrial Customer | 29,471 | 29,464 | 29,533 | 29,278 | 29,132 | 29,045 | 29,039 | 28,859 | 28,776 | 28,620 |
| Residential Customers | 44,699 | 45,805 | 46,933 | 48,083 | 49,256 | 50,452 | 51,672 | 52,912 | 54,175 | 55,458 |
| Commercial Customers | 6,783 | 6,903 | 7,021 | 7,142 | 7,259 | 7,377 | 7,494 | 7,609 | 7,722 | 7,836 |
| Industrial Customers | 97 | 100 | 103 | 106 | 108 | 111 | 113 | 116 | 119 | 121 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 51,579 | 52,809 | 54,058 | 55,332 | 56,625 | 57,941 | 59,280 | 60,637 | 62,017 | 63,416 |

| Pendleton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.53% | 1.97% | 1.16% | 1.04% | 1.65% | 2.07% | 0.73% | 1.70% | 1.72% |
| Residential Therms | 6,055,217 | 6,146,849 | 6,271,739 | 6,347,659 | 6,456,645 | 6,571,478 | 6,722,563 | 6,819,033 | 6,950,996 | 7,088,238 |
| Commercial Therms | 6,697,396 | 6,743,226 | 6,817,775 | 6,837,627 | 6,889,230 | 6,943,789 | 7,024,692 | 7,053,185 | 7,110,639 | 7,169,389 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 14,679,733 | 14,904,387 | 15,197,984 | 15,373,989 | 15,534,352 | 15,790,937 | 16,118,142 | 16,235,313 | 16,511,924 | 16,795,112 |
| Daily Baseload Therms | 14,729 | 15,012 | 15,310 | 15,607 | 15,743 | 16,054 | 16,372 | 16,525 | 16,856 | 17,187 |
| Peak Day Therms | 174,023 | 176,481 | 178,939 | 181,598 | 183,689 | 186,485 | 189,315 | 191,634 | 194,762 | 197,939 |
| Therms Per Residential Customer | 564 | 564 | 566 | 564 | 564 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,634 | 3,634 | 3,649 | 3,633 | 3,633 | 3,633 | 3,647 | 3,633 | 3,633 | 3,632 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 10,738 | 10,903 | 11,076 | 11,262 | 11,457 | 11,662 | 11,878 | 12,103 | 12,338 | 12,582 |
| Commercial Customers | 1,843 | 1,855 | 1,869 | 1,882 | 1,896 | 1,911 | 1,926 | 1,942 | 1,958 | 1,974 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 12,613 | 12,790 | 12,979 | 13,178 | 13,388 | 13,609 | 13,840 | 14,081 | 14,333 | 14,595 |

| Eastern Oregon (Ontario) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.26% | 2.07% | 0.80% | 1.53% | 1.23% | 1.94% | 0.85% | 1.60% | 1.19% |
| Residential Therms | 4,000,833 | 4,021,232 | 4,060,627 | 4,062,524 | 4,083,411 | 4,105,190 | 4,147,227 | 4,150,442 | 4,173,540 | 4,197,165 |
| Commercial Therms | 3,898,309 | 3,913,570 | 3,946,461 | 3,944,399 | 3,959,442 | 3,976,999 | 4,012,445 | 4,012,260 | 4,030,865 | 4,050,185 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,661,932 | 9,783,191 | 9,985,403 | 10,065,026 | 10,219,467 | 10,345,117 | 10,545,927 | 10,635,867 | 10,806,083 | 10,934,595 |
| Daily Baseload Therms | 8,289 | 8,586 | 8,747 | 9,045 | 9,205 | 9,506 | 9,667 | 9,969 | 10,132 | 10,434 |
| Peak Day Therms | 111,803 | 112,899 | 114,693 | 115,809 | 117,604 | 118,758 | 120,599 | 121,729 | 123,589 | 124,756 |
| Therms Per Residential Customer | 567 | 567 | 570 | 568 | 568 | 568 | 571 | 568 | 569 | 569 |
| Therms Per Commercial Customer | 2,738 | 2,738 | 2,749 | 2,737 | 2,736 | 2,735 | 2,748 | 2,735 | 2,735 | 2,735 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 7,056 | 7,090 | 7,123 | 7,158 | 7,193 | 7,229 | 7,265 | 7,303 | 7,341 | 7,380 |
| Commercial Customers | 1,424 | 1,430 | 1,435 | 1,441 | 1,447 | 1,454 | 1,460 | 1,467 | 1,474 | 1,481 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,507 | 8,548 | 8,589 | 8,631 | 8,673 | 8,717 | 8,762 | 8,807 | 8,854 | 8,901 |

| Oregon | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.02% | 2.46% | 1.54% | 1.85% | 1.94% | 2.39% | 1.39% | 1.95% | 1.87% |
| Residential Therms | 42,977,699 | 43,908,667 | 45,061,128 | 45,836,719 | 46,830,665 | 47,850,766 | 49,116,750 | 49,963,068 | 51,050,032 | 52,157,383 |
| Commercial Therms | 30,284,841 | 30,691,440 | 31,230,253 | 31,516,811 | 31,921,130 | 32,332,347 | 32,885,765 | 33,150,291 | 33,555,252 | 33,965,105 |
| Industrial Therms | 4,143,712 | 4,416,508 | 4,728,643 | 4,950,317 | 5,116,195 | 5,360,180 | 5,640,980 | 5,779,212 | 6,069,136 | 6,294,978 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 79,824,720 | 81,435,082 | 83,438,492 | 84,722,314 | 86,286,458 | 87,961,761 | 90,061,962 | 91,311,039 | 93,092,889 | 94,835,934 |
| Daily Baseload Therms | 70,733 | 72,444 | 74,036 | 75,677 | 77,102 | 78,765 | 80,362 | 81,888 | 83,518 | 85,327 |
| Peak Day Therms | 894,039 | 911,558 | 928,810 | 946,601 | 964,041 | 982,090 | 1,000,593 | 1,018,388 | 1,037,947 | 1,056,429 |
| Therms Per Residential Customer | 11,705 | 11,702 | 11,755 | 11,702 | 11,701 | 11,700 | 11,751 | 11,699 | 11,698 | 11,698 |
| Therms Per Commercial Customer | 66,175 | 66,177 | 66,476 | 66,164 | 66,154 | 66,158 | 66,422 | 66,143 | 66,155 | 66,159 |
| Therms Per Industrial Customer | 291,993 | 300,302 | 310,806 | 315,221 | 317,580 | 322,790 | 329,730 | 329,333 | 333,955 | 337,279 |
| Residential Customers | 62,493 | 63,797 | 65,132 | 66,503 | 67,906 | 69,343 | 70,815 | 72,317 | 73,853 | 75,420 |
| Commercial Customers | 10,050 | 10,188 | 10,325 | 10,465 | 10,603 | 10,742 | 10,880 | 11,017 | 11,154 | 11,291 |
| Industrial Customers | 153 | 158 | 164 | 169 | 173 | 178 | 183 | 187 | 193 | 197 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 72,700 | 74,147 | 75,625 | 77,141 | 78,686 | 80,267 | 81,882 | 83,525 | 85,204 | 86,912 |

| Washington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.44% | 1.76% | 1.04% | 1.43% | 1.46% | 1.88% | 1.11% | 1.47% | 1.49% |
| Residential Therms | 123,008,394 | 124,818,587 | 127,191,366 | 128,522,990 | 130,408,632 | 132,355,191 | 134,904,829 | 136,359,608 | 138,405,217 | 140,497,565 |
| Commercial Therms | 94,141,147 | 95,397,812 | 97,074,207 | 98,040,691 | 99,394,411 | 100,789,757 | 102,636,936 | 103,689,508 | 105,187,582 | 106,709,877 |
| Industrial Therms | 11,849,262 | 12,138,042 | 12,246,226 | 12,453,530 | 12,675,039 | 12,931,500 | 13,228,669 | 13,554,617 | 13,785,050 | 14,058,812 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 232,832,110 | 236,187,749 | 240,345,107 | 242,850,519 | 246,311,389 | 249,909,757 | 254,603,741 | 257,437,041 | 261,211,158 | 265,099,562 |
| Daily Baseload Therms | 219,938 | 223,010 | 225,703 | 229,009 | 232,193 | 235,542 | 238,779 | 242,528 | 245,953 | 249,595 |
| Peak Day Therms | 2,420,704 | 2,456,150 | 2,491,256 | 2,528,197 | 2,565,651 | 2,604,111 | 2,643,353 | 2,683,856 | 2,724,395 | 2,765,739 |
| Therms Per Residential Customer | 35,893 | 35,915 | 36,063 | 35,930 | 35,912 | 35,893 | 36,041 | 35,895 | 35,908 | 35,899 |
| Therms Per Commercial Customer | 192,028 | 191,965 | 192,741 | 190,891 | 191,917 | 192,054 | 192,581 | 191,891 | 192,045 | 191,892 |
| Therms Per Industrial Customer | 767,167 | 769,103 | 765,208 | 763,216 | 763,087 | 764,718 | 769,161 | 772,268 | 772,776 | 774,271 |
| Residential Customers | 186,677 | 189,454 | 192,282 | 195,171 | 198,111 | 201,109 | 204,160 | 207,267 | 210,428 | 213,644 |
| Commercial Customers | 26,187 | 26,542 | 26,907 | 27,282 | 27,666 | 28,061 | 28,466 | 28,880 | 29,304 | 29,737 |
| Industrial Customers | 472 | 484 | 492 | 504 | 515 | 525 | 535 | 548 | 560 | 571 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 213,345 | 216,489 | 219,692 | 222,967 | 226,303 | 229,705 | 233,171 | 236,705 | 240,301 | 243,962 |

| System | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.59% | 1.94% | 1.17% | 1.53% | 1.59% | 2.01% | 1.18% | 1.59% | 1.59% |
| Residential Therms | 165,986,093 | 168,727,254 | 172,252,494 | 174,359,710 | 177,239,297 | 180,205,957 | 184,021,578 | 186,322,676 | 189,455,250 | 192,654,948 |
| Commercial Therms | 124,425,988 | 126,089,252 | 128,304,460 | 129,557,501 | 131,315,541 | 133,122,105 | 135,522,701 | 136,839,799 | 138,742,835 | 140,674,982 |
| Industrial Therms | 15,992,974 | 16,554,550 | 16,974,870 | 17,403,847 | 17,791,234 | 18,291,680 | 18,869,648 | 19,333,829 | 19,854,187 | 20,353,791 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 312,656,830 | 317,622,831 | 323,783,600 | 327,572,833 | 332,597,847 | 337,871,517 | 344,665,703 | 348,748,080 | 354,304,046 | 359,935,495 |
| Daily Baseload Therms | 290,671 | 295,455 | 299,738 | 304,685 | 309,294 | 314,307 | 319,141 | 324,416 | 329,471 | 334,921 |
| Peak Day Therms | 3,314,743 | 3,367,708 | 3,420,066 | 3,474,798 | 3,529,692 | 3,586,201 | 3,643,946 | 3,702,244 | 3,762,342 | 3,822,168 |
| Therms Per Residential Customer | 47,598 | 47,617 | 47,817 | 47,632 | 47,613 | 47,593 | 47,793 | 47,595 | 47,606 | 47,597 |
| Therms Per Commercial Customer | 258,203 | 258,142 | 259,217 | 257,055 | 258,071 | 258,212 | 259,004 | 258,034 | 258,200 | 258,052 |
| Therms Per Industrial Customer | 1,059,160 | 1,069,405 | 1,076,015 | 1,078,437 | 1,080,667 | 1,087,507 | 1,098,891 | 1,101,601 | 1,106,731 | 1,111,550 |
| Residential Customers | 249,170 | 253,251 | 257,414 | 261,674 | 266,018 | 270,452 | 274,975 | 279,584 | 284,281 | 289,063 |
| Commercial Customers | 36,236 | 36,729 | 37,233 | 37,747 | 38,269 | 38,803 | 39,346 | 39,897 | 40,457 | 41,028 |
| Industrial Customers | 624 | 642 | 656 | 673 | 688 | 703 | 718 | 735 | 752 | 769 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 286,045 | 290,636 | 295,317 | 300,108 | 304,989 | 309,972 | 315,053 | 320,230 | 325,505 | 330,874 |

| Athena | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.05% | 1.35% | 1.66% | 1.83% | 2.26% | 1.27% | 1.90% | 1.85% | 2.25% | 1.41% |
| Residential Therms | 356,853 | 362,608 | 370,112 | 378,001 | 387,649 | 394,212 | 402,852 | 411,577 | 422,501 | 429,770 |
| Commercial Therms | 144,988 | 146,000 | 146,963 | 148,554 | 150,781 | 151,040 | 152,777 | 154,318 | 156,117 | 157,001 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 501,841 | 508,608 | 517,076 | 526,555 | 538,430 | 545,252 | 555,629 | 565,895 | 578,618 | 586,771 |
| Daily Baseload Therms | 215 | 220 | 223 | 228 | 232 | 236 | 240 | 245 | 250 | 255 |
| Peak Day Therms | 6,554 | 6,648 | 6,772 | 6,902 | 7,004 | 7,142 | 7,280 | 7,389 | 7,534 | 7,680 |
| Therms Per Residential Customer | 578 | 575 | 575 | 575 | 578 | 575 | 575 | 575 | 577 | 575 |
| Therms Per Commercial Customer | 2,127 | 2,116 | 2,112 | 2,117 | 2,126 | 2,112 | 2,117 | 2,116 | 2,122 | 2,117 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 618 | 630 | 643 | 657 | 671 | 686 | 701 | 716 | 732 | 748 |
| Commercial Customers | 68 | 69 | 70 | 70 | 71 | 72 | 72 | 73 | 74 | 74 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 686 | 699 | 713 | 727 | 742 | 757 | 773 | 789 | 806 | 822 |

| Baker | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.04% | 0.20% | 0.63% | 0.64% | 1.08% | 0.17% | 0.65% | 0.64% | 1.09% | 0.19% |
| Residential Therms | 2,302,239 | 2,312,954 | 2,333,364 | 2,354,183 | 2,385,531 | 2,395,791 | 2,416,960 | 2,438,524 | 2,470,712 | 2,481,264 |
| Commercial Therms | 1,518,670 | 1,515,991 | 1,519,882 | 1,524,102 | 1,534,987 | 1,531,812 | 1,536,690 | 1,540,792 | 1,552,458 | 1,549,754 |
| Industrial Therms | 55,986 | 55,823 | 55,823 | 55,823 | 56,009 | 55,811 | 55,811 | 55,823 | 56,009 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,876,894 | 3,884,767 | 3,909,069 | 3,934,108 | 3,976,527 | 3,983,414 | 4,009,461 | 4,035,139 | 4,079,180 | 4,086,841 |
| Daily Baseload Therms | 2,113 | 2,123 | 2,135 | 2,146 | 2,156 | 2,168 | 2,178 | 2,191 | 2,201 | 2,214 |
| Peak Day Therms | 43,020 | 43,312 | 43,579 | 43,846 | 44,146 | 44,413 | 44,687 | 44,994 | 45,267 | 45,575 |
| Therms Per Residential Customer | 637 | 634 | 634 | 634 | 637 | 634 | 634 | 634 | 636 | 634 |
| Therms Per Commercial Customer | 3,006 | 2,994 | 2,993 | 2,994 | 3,007 | 2,993 | 2,994 | 2,993 | 3,007 | 2,993 |
| Therms Per Industrial Customer | 27,993 | 27,911 | 27,911 | 27,911 | 28,005 | 27,905 | 27,905 | 27,911 | 28,005 | 27,911 |
| Residential Customers | 3,617 | 3,649 | 3,682 | 3,715 | 3,748 | 3,781 | 3,815 | 3,848 | 3,882 | 3,916 |
| Commercial Customers | 505 | 506 | 508 | 509 | 510 | 512 | 513 | 515 | 516 | 518 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,124 | 4,157 | 4,191 | 4,226 | 4,260 | 4,295 | 4,330 | 4,365 | 4,400 | 4,436 |

| Umatilla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 4.68% | 0.17% | 4.14% | 3.98% | 0.87% | 3.45% | 0.49% | 3.69% | 3.94% | 0.15% |
| Residential Therms | 356,596 | 361,669 | 368,693 | 375,856 | 385,153 | 390,917 | 398,693 | 406,670 | 416,729 | 423,157 |
| Commercial Therms | 567,392 | 570,902 | 576,753 | 582,392 | 590,613 | 594,124 | 599,731 | 605,690 | 614,267 | 618,451 |
| Industrial Therms | 903,591 | 899,071 | 986,266 | 1,073,462 | 1,078,724 | 1,160,547 | 1,160,547 | 1,247,853 | 1,341,142 | 1,335,048 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 2,410,834 | 2,414,895 | 2,514,966 | 2,614,963 | 2,637,744 | 2,728,841 | 2,742,226 | 2,843,467 | 2,955,391 | 2,959,910 |
| Daily Baseload Therms | 3,923 | 3,937 | 4,122 | 4,307 | 4,322 | 4,507 | 4,518 | 4,704 | 4,889 | 4,905 |
| Peak Day Therms | 21,366 | 21,508 | 22,340 | 23,172 | 23,324 | 24,128 | 24,279 | 25,124 | 25,969 | 26,130 |
| Therms Per Residential Customer | 278 | 277 | 277 | 277 | 278 | 277 | 277 | 277 | 278 | 276 |
| Therms Per Commercial Customer | 3,213 | 3,200 | 3,201 | 3,201 | 3,213 | 3,200 | 3,201 | 3,200 | 3,212 | 3,200 |
| Therms Per Industrial Customer | 53,152 | 52,887 | 54,793 | 56,498 | 56,775 | 58,027 | 58,027 | 59,422 | 60,961 | 60,684 |
| Residential Customers | 1,283 | 1,307 | 1,333 | 1,359 | 1,386 | 1,413 | 1,442 | 1,471 | 1,500 | 1,530 |
| Commercial Customers | 177 | 178 | 180 | 182 | 184 | 186 | 187 | 189 | 191 | 193 |
| Industrial Customers | 17 | 17 | 18 | 19 | 19 | 20 | 20 | 21 | 22 | 22 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,477 | 1,504 | 1,532 | 1,561 | 1,590 | 1,620 | 1,650 | 1,682 | 1,714 | 1,747 |

| Chemult | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | -0.10% | -0.66% | -0.12% | 0.00% | 0.31% | -0.82% | -0.28% | -0.08% | 0.41% | -0.51% |
| Residential Therms | 9,935 | 9,764 | 9,702 | 9,702 | 9,692 | 9,440 | 9,298 | 9,257 | 9,296 | 9,205 |
| Commercial Therms | 40,826 | 40,663 | 40,663 | 40,663 | 40,826 | 40,663 | 40,663 | 40,663 | 40,826 | 40,663 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 50,761 | 50,426 | 50,364 | 50,364 | 50,518 | 50,102 | 49,961 | 49,919 | 50,123 | 49,868 |
| Daily Baseload Therms | 48 | 48 | 48 | 48 | 48 | 48 | 47 | 47 | 47 | 47 |
| Peak Day Therms | 442 | 439 | 439 | 439 | 439 | 435 | 435 | 435 | 435 | 435 |
| Therms Per Residential Customer | 448 | 447 | 448 | 448 | 449 | 448 | 448 | 448 | 450 | 447 |
| Therms Per Commercial Customer | 1,870 | 1,862 | 1,862 | 1,862 | 1,870 | 1,862 | 1,862 | 1,862 | 1,870 | 1,862 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 22 | 22 | 22 | 22 | 22 | 21 | 21 | 21 | 21 | 21 |
| Commercial Customers | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 44 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 43 | 42 |

| Gilchrist | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.15% | -0.85% | -0.32% | -0.40% | 0.07% | -0.82% | -0.44% | -0.31% | 0.04% | -0.78% |
| Residential Therms | 86,920 | 85,668 | 84,975 | 84,125 | 83,663 | 82,510 | 81,580 | 80,916 | 80,390 | 79,354 |
| Commercial Therms | 130,754 | 130,149 | 130,149 | 130,149 | 130,754 | 130,149 | 130,149 | 130,149 | 130,754 | 130,149 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 217,674 | 215,817 | 215,124 | 214,274 | 214,417 | 212,659 | 211,729 | 211,065 | 211,144 | 209,503 |
| Daily Baseload Therms | 133 | 132 | 132 | 131 | 131 | 130 | 130 | 129 | 129 | 128 |
| Peak Day Therms | 2,005 | 2,000 | 1,990 | 1,986 | 1,976 | 1,966 | 1,962 | 1,952 | 1,947 | 1,938 |
| Therms Per Residential Customer | 515 | 513 | 513 | 513 | 515 | 513 | 513 | 513 | 515 | 513 |
| Therms Per Commercial Customer | 3,176 | 3,162 | 3,162 | 3,162 | 3,176 | 3,162 | 3,162 | 3,162 | 3,176 | 3,162 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 169 | 167 | 166 | 164 | 162 | 161 | 159 | 158 | 156 | 155 |
| Commercial Customers | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 210 | 208 | 207 | 205 | 204 | 202 | 200 | 199 | 197 | 196 |

| Hermiston | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.73% | 1.21% | 1.41% | 1.43% | 1.86% | 1.03% | 1.51% | 1.48% | 1.94% | 1.31% |
| Residential Therms | 2,872,006 | 2,918,793 | 2,979,518 | 3,042,416 | 3,121,057 | 3,173,778 | 3,242,525 | 3,313,428 | 3,400,937 | 3,460,480 |
| Commercial Therms | 3,182,725 | 3,198,674 | 3,227,382 | 3,256,377 | 3,298,764 | 3,315,565 | 3,348,192 | 3,378,508 | 3,424,839 | 3,444,700 |
| Industrial Therms | 224,294 | 237,474 | 237,477 | 237,477 | 238,303 | 237,444 | 237,440 | 237,474 | 238,303 | 251,470 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,279,024 | 6,354,941 | 6,444,377 | 6,536,270 | 6,658,124 | 6,726,786 | 6,828,157 | 6,929,410 | 7,064,079 | 7,156,650 |
| Daily Baseload Therms | 6,063 | 6,174 | 6,254 | 6,337 | 6,425 | 6,510 | 6,601 | 6,689 | 6,783 | 6,879 |
| Peak Day Therms | 74,613 | 75,905 | 77,000 | 78,119 | 79,308 | 80,475 | 81,712 | 82,972 | 84,257 | 85,565 |
| Therms Per Residential Customer | 647 | 644 | 644 | 644 | 647 | 644 | 644 | 644 | 646 | 643 |
| Therms Per Commercial Customer | 4,147 | 4,132 | 4,132 | 4,132 | 4,148 | 4,131 | 4,131 | 4,131 | 4,147 | 4,131 |
| Therms Per Industrial Customer | 28,037 | 27,938 | 27,939 | 27,939 | 28,036 | 27,935 | 27,934 | 27,938 | 28,036 | 27,941 |
| Residential Customers | 4,440 | 4,532 | 4,626 | 4,725 | 4,826 | 4,931 | 5,038 | 5,148 | 5,261 | 5,378 |
| Commercial Customers | 768 | 774 | 781 | 788 | 795 | 803 | 811 | 818 | 826 | 834 |
| Industrial Customers | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,215 | 5,314 | 5,416 | 5,521 | 5,630 | 5,742 | 5,857 | 5,975 | 6,096 | 6,221 |

| Huntington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.02% | 0.05% | 1.02% | 0.69% | 2.21% | 0.59% | 0.61% | 0.66% | 1.00% | 0.05% |
| Residential Therms | 58,067 | 58,254 | 58,762 | 59,369 | 60,131 | 60,354 | 60,906 | 61,470 | 62,229 | 62,433 |
| Commercial Therms | 28,998 | 28,855 | 29,237 | 29,237 | 30,432 | 30,740 | 30,740 | 30,779 | 30,939 | 30,779 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 87,065 | 87,109 | 87,999 | 88,606 | 90,563 | 91,094 | 91,647 | 92,249 | 93,168 | 93,212 |
| Daily Baseload Therms | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Peak Day Therms | 1,273 | 1,279 | 1,291 | 1,297 | 1,331 | 1,343 | 1,349 | 1,355 | 1,367 | 1,373 |
| Therms Per Residential Customer | 411 | 409 | 408 | 409 | 411 | 408 | 409 | 409 | 411 | 408 |
| Therms Per Commercial Customer | 1,933 | 1,924 | 1,938 | 1,938 | 1,953 | 1,941 | 1,941 | 1,924 | 1,934 | 1,924 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 141 | 143 | 144 | 145 | 146 | 148 | 149 | 150 | 152 | 153 |
| Commercial Customers | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 156 | 158 | 159 | 160 | 162 | 164 | 165 | 166 | 168 | 169 |

| La Pine | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.96% | 1.26% | 1.56% | 1.60% | 1.94% | 0.81% | 1.37% | 1.53% | 1.77% | 0.79% |
| Residential Therms | 173,404 | 176,969 | 180,876 | 185,211 | 190,296 | 193,474 | 197,613 | 201,978 | 207,257 | 210,710 |
| Commercial Therms | 424,522 | 428,469 | 433,988 | 439,505 | 446,568 | 448,568 | 453,232 | 458,812 | 465,244 | 467,087 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 597,926 | 605,438 | 614,864 | 624,716 | 636,864 | 642,043 | 650,845 | 660,790 | 672,501 | 677,797 |
| Daily Baseload Therms | 488 | 496 | 503 | 512 | 519 | 527 | 533 | 541 | 549 | 554 |
| Peak Day Therms | 6,422 | 6,521 | 6,627 | 6,734 | 6,833 | 6,910 | 7,016 | 7,122 | 7,199 | 7,305 |
| Therms Per Residential Customer | 630 | 628 | 628 | 628 | 631 | 627 | 628 | 628 | 630 | 628 |
| Therms Per Commercial Customer | 2,778 | 2,767 | 2,767 | 2,767 | 2,781 | 2,766 | 2,765 | 2,767 | 2,780 | 2,767 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 275 | 282 | 288 | 295 | 302 | 308 | 315 | 322 | 329 | 336 |
| Commercial Customers | 153 | 155 | 157 | 159 | 161 | 162 | 164 | 166 | 167 | 169 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 428 | 437 | 445 | 454 | 462 | 471 | 479 | 488 | 496 | 505 |

| Madras | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.09% | 2.29% | 2.42% | 1.76% | 2.27% | 1.34% | 1.87% | 1.89% | 2.40% | 1.47% |
| Residential Therms | 897,010 | 926,883 | 962,251 | 999,291 | 1,042,890 | 1,078,110 | 1,119,942 | 1,163,592 | 1,214,523 | 1,255,566 |
| Commercial Therms | 1,300,908 | 1,317,516 | 1,339,768 | 1,362,859 | 1,393,035 | 1,410,467 | 1,436,070 | 1,461,493 | 1,495,106 | 1,515,255 |
| Industrial Therms | 1,039,243 | 1,067,468 | 1,090,448 | 1,090,448 | 1,095,436 | 1,090,251 | 1,090,251 | 1,090,448 | 1,095,436 | 1,090,448 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 3,258,099 | 3,332,804 | 3,413,404 | 3,473,534 | 3,552,297 | 3,599,766 | 3,667,200 | 3,736,470 | 3,826,001 | 3,882,207 |
| Daily Baseload Therms | 2,587 | 2,668 | 2,715 | 2,763 | 2,812 | 2,862 | 2,916 | 2,972 | 3,028 | 3,086 |
| Peak Day Therms | 36,445 | 37,714 | 38,357 | 39,050 | 39,755 | 40,516 | 41,296 | 42,063 | 42,912 | 43,741 |
| Therms Per Residential Customer | 539 | 537 | 537 | 537 | 539 | 536 | 536 | 536 | 539 | 536 |
| Therms Per Commercial Customer | 2,953 | 2,941 | 2,941 | 2,941 | 2,954 | 2,941 | 2,940 | 2,940 | 2,954 | 2,940 |
| Therms Per Industrial Customer | 54,697 | 54,049 | 54,522 | 54,522 | 54,772 | 54,513 | 54,513 | 54,522 | 54,772 | 54,522 |
| Residential Customers | 1,664 | 1,727 | 1,793 | 1,862 | 1,935 | 2,010 | 2,088 | 2,170 | 2,254 | 2,342 |
| Commercial Customers | 441 | 448 | 456 | 463 | 472 | 480 | 488 | 497 | 506 | 515 |
| Industrial Customers | 19 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,124 | 2,196 | 2,270 | 2,347 | 2,427 | 2,511 | 2,598 | 2,688 | 2,781 | 2,878 |

| Milton-Freewater | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.47% | 0.78% | 1.11% | 1.17% | 1.63% | 0.80% | 1.24% | 1.75% | 1.62% | 0.77% |
| Residential Therms | 120,259 | 122,164 | 124,822 | 127,396 | 130,693 | 132,918 | 135,738 | 138,734 | 142,426 | 144,890 |
| Commercial Therms | 307,608 | 309,337 | 311,760 | 314,601 | 318,823 | 320,559 | 323,674 | 326,658 | 330,883 | 332,438 |
| Industrial Therms | 27,519 | 27,421 | 27,419 | 27,419 | 27,543 | 27,407 | 27,409 | 29,953 | 30,078 | 29,953 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 455,386 | 458,922 | 464,001 | 469,416 | 477,060 | 480,883 | 486,822 | 495,345 | 503,387 | 507,281 |
| Daily Baseload Therms | 425 | 430 | 434 | 438 | 443 | 447 | 451 | 462 | 470 | 474 |
| Peak Day Therms | 5,759 | 5,830 | 5,896 | 5,973 | 6,044 | 6,116 | 6,193 | 6,326 | 6,403 | 6,480 |
| Therms Per Residential Customer | 435 | 433 | 433 | 433 | 435 | 433 | 432 | 433 | 435 | 432 |
| Therms Per Commercial Customer | 2,846 | 2,838 | 2,838 | 2,839 | 2,849 | 2,837 | 2,835 | 2,836 | 2,846 | 2,835 |
| Therms Per Industrial Customer | 5,003 | 4,986 | 4,985 | 4,985 | 5,008 | 4,983 | 4,983 | 4,992 | 5,013 | 4,992 |
| Residential Customers | 277 | 282 | 288 | 294 | 301 | 307 | 314 | 321 | 328 | 335 |
| Commercial Customers | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 390 | 397 | 404 | 411 | 418 | 426 | 434 | 442 | 450 | 458 |

| Mission Tap | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.08% | 0.34% | 1.52% | 1.15% | 1.41% | 1.28% | 0.84% | 1.83% | 1.22% | 1.43% |
| Residential Therms | 145,299 | 147,661 | 150,822 | 153,948 | 157,881 | 160,679 | 164,114 | 167,710 | 171,930 | 175,049 |
| Commercial Therms | 383,179 | 382,602 | 387,521 | 390,572 | 394,302 | 398,543 | 399,787 | 406,514 | 409,309 | 414,485 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 528,479 | 530,262 | 538,344 | 544,521 | 552,182 | 559,223 | 563,901 | 574,224 | 581,239 | 589,534 |
| Daily Baseload Therms | 510 | 512 | 515 | 526 | 529 | 540 | 543 | 555 | 558 | 569 |
| Peak Day Therms | 6,190 | 6,231 | 6,363 | 6,397 | 6,536 | 6,576 | 6,708 | 6,756 | 6,895 | 6,936 |
| Therms Per Residential Customer | 553 | 550 | 550 | 550 | 553 | 550 | 550 | 550 | 552 | 550 |
| Therms Per Commercial Customer | 8,011 | 7,971 | 7,976 | 7,971 | 7,993 | 7,971 | 7,982 | 7,971 | 8,013 | 7,971 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 263 | 268 | 274 | 280 | 286 | 292 | 298 | 305 | 311 | 318 |
| Commercial Customers | 48 | 48 | 49 | 49 | 49 | 50 | 50 | 51 | 51 | 52 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 311 | 316 | 323 | 329 | 335 | 342 | 348 | 356 | 362 | 370 |

| Nyssa-Ontario | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.41% | 1.10% | 1.98% | 1.44% | 2.32% | 1.12% | 1.75% | 1.47% | 2.09% | 1.00% |
| Residential Therms | 1,879,248 | 1,873,775 | 1,877,192 | 1,880,730 | 1,893,810 | 1,887,993 | 1,891,657 | 1,895,856 | 1,909,331 | 1,903,731 |
| Commercial Therms | 2,538,505 | 2,543,906 | 2,559,997 | 2,577,101 | 2,604,555 | 2,608,499 | 2,624,916 | 2,642,167 | 2,669,904 | 2,674,045 |
| Industrial Therms | 1,574,137 | 1,652,902 | 1,777,033 | 1,862,616 | 1,996,084 | 2,084,272 | 2,200,030 | 2,294,704 | 2,421,074 | 2,504,466 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 7,180,123 | 7,258,817 | 7,402,455 | 7,508,681 | 7,682,683 | 7,768,998 | 7,904,837 | 8,020,961 | 8,188,543 | 8,270,476 |
| Daily Baseload Therms | 8,479 | 8,771 | 8,925 | 9,220 | 9,374 | 9,666 | 9,958 | 10,115 | 10,407 | 10,561 |
| Peak Day Therms | 82,325 | 83,241 | 84,868 | 85,783 | 87,378 | 88,980 | 89,927 | 91,528 | 92,450 | 94,052 |
| Therms Per Residential Customer | 513 | 511 | 511 | 511 | 513 | 511 | 511 | 511 | 513 | 511 |
| Therms Per Commercial Customer | 2,622 | 2,611 | 2,612 | 2,612 | 2,623 | 2,611 | 2,611 | 2,611 | 2,622 | 2,611 |
| Therms Per Industrial Customer | 40,020 | 40,645 | 41,977 | 42,655 | 44,031 | 44,504 | 45,440 | 46,048 | 47,087 | 47,403 |
| Residential Customers | 3,661 | 3,667 | 3,674 | 3,681 | 3,688 | 3,696 | 3,704 | 3,711 | 3,719 | 3,727 |
| Commercial Customers | 968 | 974 | 980 | 987 | 993 | 999 | 1,005 | 1,012 | 1,018 | 1,024 |
| Industrial Customers | 39 | 41 | 42 | 44 | 45 | 47 | 48 | 50 | 51 | 53 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,669 | 4,683 | 4,698 | 4,713 | 4,728 | 4,743 | 4,758 | 4,774 | 4,790 | 4,805 |

| Pendleton | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.93% | 2.23% | 1.37% | 1.81% | 0.99% | 1.43% | 1.47% | 1.89% | 1.06% |
| Residential Therms | 3,410,464 | 3,465,743 | 3,538,026 | 3,612,541 | 3,705,875 | 3,768,587 | 3,850,209 | 3,934,315 | 4,038,237 | 4,108,790 |
| Commercial Therms | 2,674,521 | 2,686,836 | 2,710,747 | 2,735,110 | 2,771,227 | 2,785,129 | 2,811,144 | 2,838,504 | 2,877,309 | 2,893,505 |
| Industrial Therms | 268,095 | 265,367 | 326,362 | 326,362 | 329,327 | 326,227 | 326,210 | 326,346 | 329,327 | 326,362 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 6,979,123 | 7,043,988 | 7,201,178 | 7,300,055 | 7,432,471 | 7,505,986 | 7,613,606 | 7,725,207 | 7,870,915 | 7,954,700 |
| Daily Baseload Therms | 6,038 | 6,102 | 6,366 | 6,436 | 6,508 | 6,581 | 6,655 | 6,731 | 6,807 | 6,889 |
| Peak Day Therms | 86,727 | 87,936 | 90,410 | 91,726 | 93,064 | 94,400 | 95,845 | 97,273 | 98,738 | 100,265 |
| Therms Per Residential Customer | 573 | 570 | 570 | 570 | 572 | 570 | 570 | 570 | 572 | 569 |
| Therms Per Commercial Customer | 3,249 | 3,237 | 3,237 | 3,236 | 3,250 | 3,236 | 3,236 | 3,236 | 3,250 | 3,236 |
| Therms Per Industrial Customer | 38,299 | 37,910 | 43,515 | 43,515 | 43,910 | 43,497 | 43,495 | 43,513 | 43,910 | 43,515 |
| Residential Customers | 5,957 | 6,080 | 6,208 | 6,339 | 6,475 | 6,615 | 6,759 | 6,907 | 7,059 | 7,215 |
| Commercial Customers | 823 | 830 | 837 | 845 | 853 | 861 | 869 | 877 | 885 | 894 |
| Industrial Customers | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,788 | 6,918 | 7,054 | 7,193 | 7,336 | 7,484 | 7,637 | 7,793 | 7,953 | 8,118 |

| Prineville | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.17% | 1.34% | 1.29% | 1.70% | 2.13% | 1.14% | 1.62% | 1.63% | 2.02% | 1.34% |
| Residential Therms | 1,482,512 | 1,499,081 | 1,521,865 | 1,544,693 | 1,574,911 | 1,589,670 | 1,612,354 | 1,635,623 | 1,666,315 | 1,681,129 |
| Commercial Therms | 1,825,123 | 1,848,545 | 1,879,523 | 1,910,326 | 1,949,446 | 1,970,312 | 2,001,130 | 2,032,759 | 2,072,480 | 2,106,039 |
| Industrial Therms | 806,195 | 821,525 | 821,525 | 839,782 | 861,740 | 875,999 | 894,249 | 912,806 | 935,080 | 949,318 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,113,830 | 4,169,152 | 4,222,913 | 4,294,801 | 4,386,097 | 4,435,982 | 4,507,734 | 4,581,188 | 4,673,875 | 4,736,487 |
| Daily Baseload Therms | 3,118 | 3,175 | 3,210 | 3,269 | 3,326 | 3,385 | 3,441 | 3,500 | 3,559 | 3,615 |
| Peak Day Therms | 44,224 | 44,931 | 45,601 | 46,344 | 47,045 | 47,788 | 48,489 | 49,232 | 49,975 | 50,676 |
| Therms Per Residential Customer | 513 | 511 | 511 | 511 | 513 | 511 | 511 | 511 | 513 | 511 |
| Therms Per Commercial Customer | 2,905 | 2,893 | 2,894 | 2,893 | 2,906 | 2,892 | 2,892 | 2,893 | 2,906 | 2,910 |
| Therms Per Industrial Customer | 18,323 | 18,256 | 18,256 | 18,256 | 18,335 | 18,250 | 18,250 | 18,256 | 18,335 | 18,256 |
| Residential Customers | 2,890 | 2,935 | 2,979 | 3,024 | 3,069 | 3,114 | 3,158 | 3,203 | 3,248 | 3,293 |
| Commercial Customers | 628 | 639 | 650 | 660 | 671 | 681 | 692 | 703 | 713 | 724 |
| Industrial Customers | 44 | 45 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,562 | 3,618 | 3,674 | 3,730 | 3,787 | 3,843 | 3,899 | 3,956 | 4,012 | 4,068 |

| Redmond | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.51% | 1.43% | 2.11% | 1.99% | 2.18% | 1.49% | 1.82% | 1.72% | 2.29% | 1.19% |
| Residential Therms | 5,699,390 | 5,807,986 | 5,942,627 | 6,078,307 | 6,243,218 | 6,351,637 | 6,490,870 | 6,631,744 | 6,803,676 | 6,914,905 |
| Commercial Therms | 3,956,403 | 3,992,449 | 4,043,673 | 4,094,963 | 4,160,202 | 4,187,351 | 4,234,272 | 4,277,548 | 4,339,105 | 4,361,808 |
| Industrial Therms | 886,157 | 892,508 | 931,960 | 962,301 | 974,805 | 1,008,413 | 1,032,172 | 1,050,344 | 1,091,282 | 1,102,671 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 10,541,950 | 10,692,943 | 10,918,260 | 11,135,571 | 11,378,226 | 11,547,401 | 11,757,314 | 11,959,636 | 12,234,062 | 12,379,384 |
| Daily Baseload Therms | 8,883 | 9,091 | 9,298 | 9,437 | 9,645 | 9,779 | 9,990 | 10,196 | 10,328 | 10,535 |
| Peak Day Therms | 123,903 | 126,098 | 128,660 | 131,253 | 133,460 | 136,001 | 138,280 | 140,810 | 143,322 | 145,573 |
| Therms Per Residential Customer | 625 | 623 | 623 | 622 | 625 | 622 | 622 | 622 | 625 | 622 |
| Therms Per Commercial Customer | 2,859 | 2,847 | 2,847 | 2,847 | 2,860 | 2,847 | 2,846 | 2,847 | 2,860 | 2,847 |
| Therms Per Industrial Customer | 39,531 | 39,375 | 39,379 | 39,412 | 39,519 | 39,417 | 39,446 | 39,388 | 39,563 | 39,381 |
| Residential Customers | 9,116 | 9,330 | 9,546 | 9,765 | 9,984 | 10,205 | 10,429 | 10,654 | 10,881 | 11,110 |
| Commercial Customers | 1,384 | 1,402 | 1,420 | 1,438 | 1,455 | 1,471 | 1,488 | 1,503 | 1,517 | 1,532 |
| Industrial Customers | 22 | 23 | 24 | 24 | 25 | 26 | 26 | 27 | 28 | 28 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 10,523 | 10,755 | 10,990 | 11,227 | 11,464 | 11,702 | 11,943 | 12,183 | 12,426 | 12,670 |

| Stanfield | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.84% | 1.23% | 2.02% | 1.52% | 2.26% | 1.53% | 1.68% | 2.04% | 2.18% | 1.37% |
| Residential Therms | 187,430 | 190,480 | 194,515 | 198,552 | 203,756 | 207,140 | 211,600 | 216,275 | 221,980 | 225,860 |
| Commercial Therms | 73,068 | 73,215 | 74,512 | 74,576 | 75,535 | 76,425 | 76,736 | 77,935 | 78,641 | 78,883 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 260,499 | 263,694 | 269,028 | 273,128 | 279,292 | 283,565 | 288,336 | 294,211 | 300,621 | 304,743 |
| Daily Baseload Therms | 164 | 166 | 170 | 173 | 175 | 179 | 182 | 186 | 188 | 191 |
| Peak Day Therms | 3,460 | 3,535 | 3,587 | 3,638 | 3,720 | 3,778 | 3,866 | 3,924 | 3,989 | 4,077 |
| Therms Per Residential Customer | 493 | 491 | 491 | 491 | 493 | 491 | 491 | 491 | 493 | 491 |
| Therms Per Commercial Customer | 1,850 | 1,838 | 1,844 | 1,841 | 1,846 | 1,842 | 1,845 | 1,841 | 1,850 | 1,838 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 380 | 388 | 396 | 404 | 413 | 422 | 431 | 441 | 450 | 460 |
| Commercial Customers | 40 | 40 | 40 | 41 | 41 | 42 | 42 | 42 | 43 | 43 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 419 | 428 | 436 | 445 | 454 | 464 | 473 | 483 | 493 | 503 |

| Stearns (Sunriver) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.65% | 1.68% | 2.15% | 2.04% | 2.44% | 1.55% | 1.96% | 1.96% | 2.39% | 1.44% |
| Residential Therms | 4,692,502 | 4,781,146 | 4,892,227 | 5,004,131 | 5,139,772 | 5,231,303 | 5,346,057 | 5,461,308 | 5,602,498 | 5,695,548 |
| Commercial Therms | 1,279,126 | 1,291,119 | 1,307,978 | 1,323,997 | 1,344,494 | 1,355,094 | 1,369,338 | 1,383,531 | 1,402,475 | 1,410,592 |
| Industrial Therms | 72,129 | 73,200 | 77,110 | 77,110 | 77,346 | 77,110 | 78,517 | 82,287 | 87,598 | 88,622 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,043,758 | 6,145,464 | 6,277,315 | 6,405,238 | 6,561,612 | 6,663,508 | 6,793,912 | 6,927,126 | 7,092,571 | 7,194,762 |
| Daily Baseload Therms | 6,418 | 6,577 | 6,704 | 6,823 | 6,942 | 7,072 | 7,193 | 7,315 | 7,438 | 7,593 |
| Peak Day Therms | 61,426 | 62,724 | 64,174 | 65,493 | 66,824 | 68,165 | 69,517 | 70,869 | 72,242 | 73,616 |
| Therms Per Residential Customer | 993 | 988 | 988 | 988 | 992 | 988 | 988 | 988 | 992 | 988 |
| Therms Per Commercial Customer | 4,765 | 4,750 | 4,749 | 4,750 | 4,765 | 4,749 | 4,749 | 4,749 | 4,765 | 4,749 |
| Therms Per Industrial Customer | 15,456 | 15,411 | 15,422 | 15,422 | 15,469 | 15,422 | 15,446 | 15,429 | 15,459 | 15,413 |
| Residential Customers | 4,728 | 4,839 | 4,951 | 5,065 | 5,179 | 5,295 | 5,411 | 5,528 | 5,646 | 5,765 |
| Commercial Customers | 268 | 272 | 275 | 279 | 282 | 285 | 288 | 291 | 294 | 297 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,001 | 5,116 | 5,232 | 5,349 | 5,466 | 5,585 | 5,704 | 5,824 | 5,946 | 6,068 |

| Pronghorn | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.52% | 1.01% | 2.50% | 2.11% | 1.51% | 1.19% | 1.85% | 1.09% | 1.47% | 1.03% |
| Residential Therms | 425,341 | 432,116 | 440,110 | 447,647 | 457,841 | 464,706 | 472,328 | 480,718 | 491,155 | 497,329 |
| Commercial Therms | 271,164 | 271,450 | 281,065 | 288,759 | 289,708 | 291,703 | 298,038 | 298,017 | 298,998 | 300,942 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 696,504 | 703,566 | 721,174 | 736,405 | 747,549 | 756,409 | 770,365 | 778,735 | 790,153 | 798,271 |
| Daily Baseload Therms | 1,043 | 1,056 | 1,083 | 1,110 | 1,121 | 1,132 | 1,161 | 1,170 | 1,183 | 1,194 |
| Peak Day Therms | 7,025 | 7,189 | 7,272 | 7,436 | 7,520 | 7,684 | 7,767 | 7,867 | 8,031 | 8,132 |
| Therms Per Residential Customer | 1,604 | 1,597 | 1,597 | 1,597 | 1,604 | 1,598 | 1,597 | 1,598 | 1,603 | 1,597 |
| Therms Per Commercial Customer | 9,297 | 9,280 | 9,291 | 9,265 | 9,295 | 9,285 | 9,265 | 9,265 | 9,295 | 9,284 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 265 | 271 | 276 | 280 | 286 | 291 | 296 | 301 | 306 | 311 |
| Commercial Customers | 29 | 29 | 30 | 31 | 31 | 31 | 32 | 32 | 32 | 32 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 294 | 300 | 306 | 312 | 317 | 322 | 328 | 333 | 339 | 344 |

| Bend Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.48% | 1.60% | 2.00% | 1.96% | 2.37% | 1.43% | 1.85% | 1.83% | 2.23% | 1.32% |
| Residential Therms | 28,356,736 | 28,898,807 | 29,570,697 | 30,247,954 | 31,066,800 | 31,616,418 | 32,309,970 | 33,011,154 | 33,864,319 | 34,426,334 |
| Commercial Therms | 13,854,829 | 13,980,943 | 14,159,779 | 14,332,887 | 14,563,698 | 14,663,099 | 14,820,643 | 14,974,198 | 15,187,285 | 15,266,066 |
| Industrial Therms | 747,311 | 765,522 | 787,437 | 809,351 | 834,450 | 849,203 | 871,118 | 893,107 | 918,538 | 936,929 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 42,958,877 | 43,645,272 | 44,517,913 | 45,390,193 | 46,464,948 | 47,128,720 | 48,001,731 | 48,878,459 | 49,970,143 | 50,629,329 |
| Daily Baseload Therms | 36,270 | 36,983 | 37,699 | 38,415 | 39,128 | 39,840 | 40,552 | 41,260 | 41,970 | 42,678 |
| Peak Day Therms | 463,126 | 472,410 | 481,740 | 491,097 | 500,421 | 509,772 | 519,091 | 528,444 | 537,824 | 547,171 |
| Therms Per Residential Customer | 761 | 758 | 758 | 758 | 761 | 758 | 758 | 758 | 761 | 758 |
| Therms Per Commercial Customer | 2,804 | 2,793 | 2,793 | 2,793 | 2,805 | 2,792 | 2,792 | 2,793 | 2,804 | 2,792 |
| Therms Per Industrial Customer | 22,034 | 21,977 | 21,975 | 21,973 | 22,056 | 21,962 | 21,961 | 21,962 | 22,045 | 21,959 |
| Residential Customers | 37,251 | 38,126 | 39,012 | 39,907 | 40,808 | 41,716 | 42,632 | 43,554 | 44,484 | 45,422 |
| Commercial Customers | 4,940 | 5,006 | 5,070 | 5,132 | 5,193 | 5,251 | 5,308 | 5,362 | 5,415 | 5,467 |
| Industrial Customers | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 42,226 | 43,166 | 44,118 | 45,076 | 46,038 | 47,006 | 47,979 | 48,957 | 49,941 | 50,932 |

| McCleary (Aberdeen/Hoquiam) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.45% | -0.24% | 0.12% | 0.13% | 0.55% | -0.23% | 0.17% | 0.23% | 0.59% | -0.16% |
| Residential Therms | 2,535,660 | 2,537,673 | 2,549,583 | 2,561,961 | 2,585,530 | 2,587,470 | 2,601,221 | 2,616,017 | 2,641,621 | 2,645,557 |
| Commercial Therms | 3,149,253 | 3,133,487 | 3,129,049 | 3,124,610 | 3,132,696 | 3,117,842 | 3,114,249 | 3,113,399 | 3,122,485 | 3,109,854 |
| Industrial Therms | 309,977 | 309,051 | 309,051 | 309,051 | 310,163 | 308,958 | 308,958 | 309,051 | 310,163 | 309,051 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,994,889 | 5,980,210 | 5,987,683 | 5,995,621 | 6,028,388 | 6,014,269 | 6,024,428 | 6,038,466 | 6,074,269 | 6,064,461 |
| Daily Baseload Therms | 6,464 | 6,466 | 6,468 | 6,471 | 6,473 | 6,483 | 6,486 | 6,490 | 6,500 | 6,510 |
| Peak Day Therms | 56,324 | 56,397 | 56,484 | 56,571 | 56,658 | 56,800 | 56,901 | 57,042 | 57,151 | 57,306 |
| Therms Per Residential Customer | 705 | 703 | 703 | 702 | 705 | 702 | 702 | 702 | 705 | 702 |
| Therms Per Commercial Customer | 4,460 | 4,446 | 4,446 | 4,446 | 4,463 | 4,445 | 4,444 | 4,446 | 4,462 | 4,446 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,596 | 3,612 | 3,629 | 3,647 | 3,665 | 3,685 | 3,704 | 3,724 | 3,745 | 3,767 |
| Commercial Customers | 706 | 705 | 704 | 703 | 702 | 702 | 701 | 700 | 700 | 700 |
| Industrial Customers | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,314 | 4,329 | 4,345 | 4,362 | 4,379 | 4,398 | 4,417 | 4,437 | 4,457 | 4,478 |

| Acme | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.31% | 1.11% | 3.80% | 0.73% | 1.25% | 1.21% | 3.58% | 0.83% | 1.41% | 3.16% |
| Residential Therms | 59,214 | 59,888 | 60,671 | 61,426 | 62,554 | 63,361 | 64,265 | 65,175 | 66,563 | 67,298 |
| Commercial Therms | 39,569 | 39,995 | 43,004 | 43,004 | 43,179 | 43,653 | 46,581 | 46,588 | 46,777 | 49,628 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 98,783 | 99,883 | 103,675 | 104,431 | 105,733 | 107,015 | 110,846 | 111,763 | 113,341 | 116,926 |
| Daily Baseload Therms | 65 | 65 | 68 | 69 | 69 | 72 | 73 | 73 | 74 | 77 |
| Peak Day Therms | 919 | 925 | 967 | 974 | 981 | 995 | 1,036 | 1,043 | 1,050 | 1,098 |
| Therms Per Residential Customer | 763 | 760 | 759 | 759 | 763 | 760 | 760 | 759 | 764 | 760 |
| Therms Per Commercial Customer | 3,597 | 3,609 | 3,584 | 3,584 | 3,598 | 3,588 | 3,583 | 3,584 | 3,598 | 3,566 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 78 | 79 | 80 | 81 | 82 | 83 | 85 | 86 | 87 | 89 |
| Commercial Customers | 11 | 11 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 14 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 89 | 90 | 92 | 93 | 94 | 96 | 98 | 99 | 100 | 103 |

| Arlington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.38% | 1.64% | 2.00% | 1.98% | 2.37% | 1.56% | 1.94% | 1.99% | 2.34% | 1.53% |
| Residential Therms | 4,112,799 | 4,179,584 | 4,263,479 | 4,349,023 | 4,454,234 | 4,525,377 | 4,616,662 | 4,710,398 | 4,824,596 | 4,902,318 |
| Commercial Therms | 2,244,375 | 2,270,855 | 2,305,133 | 2,339,443 | 2,382,883 | 2,407,309 | 2,440,799 | 2,475,563 | 2,519,744 | 2,544,267 |
| Industrial Therms | 600,481 | 621,417 | 644,389 | 667,362 | 692,901 | 715,023 | 738,465 | 765,188 | 792,898 | 814,783 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,957,654 | 7,071,855 | 7,213,001 | 7,355,828 | 7,530,018 | 7,647,708 | 7,795,926 | 7,951,149 | 8,137,238 | 8,261,368 |
| Daily Baseload Therms | 6,703 | 6,841 | 6,982 | 7,120 | 7,264 | 7,425 | 7,571 | 7,720 | 7,870 | 8,021 |
| Peak Day Therms | 71,023 | 72,458 | 73,906 | 75,377 | 76,863 | 78,371 | 80,020 | 81,535 | 83,102 | 84,691 |
| Therms Per Residential Customer | 712 | 709 | 709 | 709 | 712 | 709 | 709 | 709 | 712 | 709 |
| Therms Per Commercial Customer | 3,155 | 3,143 | 3,143 | 3,144 | 3,156 | 3,143 | 3,142 | 3,143 | 3,155 | 3,143 |
| Therms Per Industrial Customer | 11,511 | 11,472 | 11,473 | 11,473 | 11,516 | 11,471 | 11,464 | 11,478 | 11,519 | 11,476 |
| Residential Customers | 5,776 | 5,891 | 6,010 | 6,130 | 6,254 | 6,380 | 6,509 | 6,640 | 6,774 | 6,911 |
| Commercial Customers | 711 | 722 | 733 | 744 | 755 | 766 | 777 | 788 | 799 | 810 |
| Industrial Customers | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 67 | 69 | 71 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 6,540 | 6,668 | 6,799 | 6,933 | 7,069 | 7,208 | 7,350 | 7,494 | 7,642 | 7,791 |

| Bremerton (Shelton) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.82% | 1.04% | 1.73% | 1.48% | 1.87% | 1.07% | 1.48% | 1.50% | 1.90% | 1.10% |
| Residential Therms | 24,952,307 | 25,209,950 | 25,574,832 | 25,946,634 | 26,434,176 | 26,709,333 | 27,101,199 | 27,500,840 | 28,021,513 | 28,317,866 |
| Commercial Therms | 13,163,655 | 13,326,085 | 13,544,663 | 13,769,491 | 14,055,330 | 14,238,611 | 14,482,579 | 14,733,983 | 15,049,307 | 15,253,494 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 39,883,560 | 40,299,754 | 40,998,358 | 41,605,825 | 42,383,362 | 42,837,643 | 43,473,476 | 44,124,521 | 44,964,675 | 45,461,059 |
| Daily Baseload Therms | 37,280 | 37,787 | 38,600 | 39,134 | 39,681 | 40,238 | 40,808 | 41,386 | 41,978 | 42,584 |
| Peak Day Therms | 377,637 | 383,256 | 389,057 | 394,950 | 400,978 | 407,738 | 414,027 | 420,464 | 427,055 | 433,691 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 | 3,744 | 3,730 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 37,190 | 37,727 | 38,274 | 38,832 | 39,399 | 39,977 | 40,565 | 41,162 | 41,769 | 42,386 |
| Commercial Customers | 3,515 | 3,572 | 3,631 | 3,691 | 3,754 | 3,818 | 3,883 | 3,950 | 4,019 | 4,090 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 40,722 | 41,316 | 41,922 | 42,540 | 43,170 | 43,812 | 44,465 | 45,129 | 45,805 | 46,493 |

| Castle Rock | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.24% | 1.20% | 1.49% | 1.43% | 1.72% | 1.18% | 1.75% | 1.66% | 1.96% | 1.25% |
| Residential Therms | 43,681 | 44,284 | 45,039 | 45,938 | 46,935 | 47,485 | 48,482 | 49,373 | 50,341 | 51,054 |
| Commercial Therms | 156,277 | 158,066 | 160,324 | 162,359 | 164,941 | 166,899 | 169,645 | 172,376 | 175,750 | 177,870 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 199,958 | 202,350 | 205,363 | 208,296 | 211,875 | 214,384 | 218,128 | 221,749 | 226,091 | 228,923 |
| Daily Baseload Therms | 256 | 261 | 266 | 266 | 271 | 275 | 280 | 285 | 290 | 294 |
| Peak Day Therms | 1,616 | 1,647 | 1,673 | 1,704 | 1,730 | 1,762 | 1,793 | 1,819 | 1,851 | 1,877 |
| Therms Per Residential Customer | 523 | 520 | 520 | 521 | 522 | 520 | 520 | 521 | 523 | 520 |
| Therms Per Commercial Customer | 2,774 | 2,761 | 2,760 | 2,764 | 2,772 | 2,762 | 2,762 | 2,762 | 2,771 | 2,761 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 84 | 85 | 87 | 88 | 90 | 91 | 93 | 95 | 96 | 98 |
| Commercial Customers | 56 | 57 | 58 | 59 | 60 | 60 | 61 | 62 | 63 | 64 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 140 | 142 | 145 | 147 | 149 | 152 | 155 | 157 | 160 | 163 |

| Walla Walla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.49% | 0.71% | 1.10% | 1.11% | 1.53% | 0.70% | 1.11% | 1.13% | 1.53% | 0.71% |
| Residential Therms | 7,372,240 | 7,436,359 | 7,531,607 | 7,627,895 | 7,757,597 | 7,823,078 | 7,922,310 | 8,023,262 | 8,158,395 | 8,226,261 |
| Commercial Therms | 4,703,401 | 4,742,389 | 4,800,385 | 4,860,773 | 4,942,764 | 4,984,650 | 5,047,745 | 5,113,764 | 5,201,084 | 5,246,727 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 13,831,989 | 13,929,633 | 14,082,876 | 14,239,553 | 14,456,709 | 14,558,613 | 14,720,940 | 14,887,911 | 15,115,827 | 15,223,873 |
| Daily Baseload Therms | 11,438 | 11,555 | 11,672 | 11,792 | 11,914 | 12,036 | 12,162 | 12,288 | 12,415 | 12,546 |
| Peak Day Therms | 182,778 | 184,842 | 186,915 | 189,044 | 191,190 | 193,393 | 195,570 | 197,838 | 200,073 | 202,365 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 | 3,257 | 3,244 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 12,720 | 12,883 | 13,049 | 13,216 | 13,385 | 13,557 | 13,729 | 13,904 | 14,080 | 14,257 |
| Commercial Customers | 1,444 | 1,462 | 1,480 | 1,498 | 1,517 | 1,537 | 1,556 | 1,576 | 1,597 | 1,618 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 14,181 | 14,363 | 14,546 | 14,732 | 14,921 | 15,111 | 15,303 | 15,498 | 15,694 | 15,892 |

| Deming | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.35% | 0.87% | 4.92% | 0.25% | 2.76% | 2.85% | 0.86% | 2.38% | 2.69% | 1.80% |
| Residential Therms | 15,545 | 15,944 | 16,031 | 16,476 | 16,639 | 16,985 | 17,080 | 17,530 | 17,621 | 18,063 |
| Commercial Therms | 154,897 | 155,973 | 164,346 | 164,353 | 169,184 | 174,143 | 175,695 | 179,830 | 185,040 | 188,238 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 170,442 | 171,917 | 180,376 | 180,829 | 185,823 | 191,128 | 192,775 | 197,360 | 202,660 | 206,301 |
| Daily Baseload Therms | 121 | 121 | 129 | 129 | 129 | 137 | 137 | 137 | 145 | 145 |
| Peak Day Therms | 1,739 | 1,744 | 1,850 | 1,855 | 1,855 | 1,966 | 1,966 | 1,972 | 2,077 | 2,082 |
| Therms Per Residential Customer | 536 | 533 | 534 | 533 | 537 | 534 | 534 | 534 | 535 | 534 |
| Therms Per Commercial Customer | 10,102 | 10,117 | 10,062 | 10,062 | 10,202 | 10,047 | 10,088 | 10,179 | 10,093 | 10,129 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 29 | 30 | 30 | 31 | 31 | 32 | 32 | 33 | 33 | 34 |
| Commercial Customers | 15 | 15 | 16 | 16 | 17 | 17 | 17 | 18 | 18 | 19 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 44 | 45 | 46 | 47 | 48 | 49 | 49 | 51 | 51 | 52 |

| Wenatchee | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | -0.14% | -0.55% | -0.43% | -0.44% | 0.02% | -0.76% | -0.40% | -0.39% | 0.05% | -0.70% |
| Residential Therms | 526,014 | 517,292 | 510,135 | 502,937 | 497,434 | 488,360 | 481,189 | 474,168 | 468,644 | 459,891 |
| Commercial Therms | 3,370,240 | 3,356,196 | 3,345,148 | 3,333,770 | 3,339,071 | 3,317,186 | 3,307,760 | 3,298,369 | 3,304,825 | 3,285,383 |
| Industrial Therms | 384,772 | 383,994 | 383,994 | 383,994 | 384,946 | 383,907 | 383,907 | 383,994 | 384,946 | 383,994 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,281,026 | 4,257,482 | 4,239,276 | 4,220,701 | 4,221,451 | 4,189,453 | 4,172,855 | 4,156,531 | 4,158,416 | 4,129,268 |
| Daily Baseload Therms | 8,953 | 8,930 | 8,895 | 8,860 | 8,837 | 8,791 | 8,766 | 8,732 | 8,708 | 8,673 |
| Peak Day Therms | 35,462 | 35,173 | 34,840 | 34,503 | 34,258 | 33,925 | 33,588 | 33,255 | 32,966 | 32,628 |
| Therms Per Residential Customer | 449 | 447 | 447 | 447 | 449 | 447 | 447 | 447 | 449 | 447 |
| Therms Per Commercial Customer | 5,078 | 5,065 | 5,065 | 5,065 | 5,080 | 5,064 | 5,064 | 5,065 | 5,080 | 5,065 |
| Therms Per Industrial Customer | 25,651 | 25,600 | 25,600 | 25,600 | 25,663 | 25,594 | 25,594 | 25,600 | 25,663 | 25,600 |
| Residential Customers | 1,173 | 1,157 | 1,141 | 1,124 | 1,108 | 1,092 | 1,076 | 1,060 | 1,044 | 1,028 |
| Commercial Customers | 664 | 663 | 661 | 658 | 657 | 655 | 653 | 651 | 651 | 649 |
| Industrial Customers | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,851 | 1,834 | 1,816 | 1,798 | 1,781 | 1,762 | 1,744 | 1,726 | 1,709 | 1,691 |

| Finley | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.65% | 2.71% | 0.50% | 2.16% | 3.42% | 0.03% | 2.01% | 2.82% | 0.91% | 1.49% |
| Residential Therms | 20,418 | 20,890 | 21,378 | 21,899 | 22,546 | 22,991 | 23,473 | 24,022 | 24,619 | 25,060 |
| Commercial Therms | 117,051 | 120,311 | 120,533 | 123,070 | 127,388 | 126,989 | 129,520 | 133,285 | 134,126 | 136,044 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 137,469 | 141,200 | 141,911 | 144,969 | 149,934 | 149,980 | 152,993 | 157,307 | 158,745 | 161,104 |
| Daily Baseload Therms | 59 | 60 | 63 | 63 | 64 | 67 | 67 | 67 | 70 | 71 |
| Peak Day Therms | 1,747 | 1,753 | 1,760 | 1,855 | 1,855 | 1,862 | 1,957 | 1,964 | 1,971 | 2,066 |
| Therms Per Residential Customer | 567 | 565 | 564 | 564 | 567 | 564 | 566 | 566 | 569 | 566 |
| Therms Per Commercial Customer | 6,594 | 6,562 | 6,515 | 6,564 | 6,589 | 6,512 | 6,558 | 6,555 | 6,543 | 6,556 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 42 | 43 | 44 |
| Commercial Customers | 18 | 18 | 19 | 19 | 19 | 20 | 20 | 20 | 21 | 21 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 54 | 55 | 56 | 58 | 59 | 60 | 61 | 63 | 64 | 65 |

| Grandview | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.52% | 0.83% | 1.19% | 1.28% | 2.31% | 0.81% | 1.21% | 1.31% | 1.64% | 1.52% |
| Residential Therms | 747,540 | 753,606 | 762,429 | 771,337 | 783,703 | 789,765 | 799,213 | 809,250 | 822,157 | 828,938 |
| Commercial Therms | 910,989 | 920,402 | 933,326 | 946,765 | 964,423 | 974,366 | 988,378 | 1,003,943 | 1,021,932 | 1,033,351 |
| Industrial Therms | 156,555 | 156,175 | 156,175 | 157,535 | 170,787 | 170,373 | 170,373 | 170,373 | 172,062 | 184,571 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,815,084 | 1,830,183 | 1,851,930 | 1,875,637 | 1,918,914 | 1,934,504 | 1,957,963 | 1,983,566 | 2,016,151 | 2,046,860 |
| Daily Baseload Therms | 2,794 | 2,820 | 2,853 | 2,879 | 2,977 | 3,010 | 3,037 | 3,070 | 3,098 | 3,202 |
| Peak Day Therms | 15,056 | 15,241 | 15,425 | 15,610 | 15,857 | 16,083 | 16,274 | 16,500 | 16,696 | 16,985 |
| Therms Per Residential Customer | 688 | 686 | 686 | 686 | 688 | 686 | 686 | 686 | 688 | 685 |
| Therms Per Commercial Customer | 4,222 | 4,208 | 4,206 | 4,206 | 4,222 | 4,204 | 4,204 | 4,205 | 4,221 | 4,205 |
| Therms Per Industrial Customer | 14,232 | 14,198 | 14,198 | 14,108 | 14,232 | 14,198 | 14,198 | 14,198 | 14,240 | 14,198 |
| Residential Customers | 1,086 | 1,099 | 1,112 | 1,125 | 1,138 | 1,152 | 1,166 | 1,180 | 1,195 | 1,209 |
| Commercial Customers | 216 | 219 | 222 | 225 | 228 | 232 | 235 | 239 | 242 | 246 |
| Industrial Customers | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 13 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,313 | 1,328 | 1,345 | 1,361 | 1,379 | 1,396 | 1,413 | 1,431 | 1,449 | 1,468 |

| Zillah (Toppenish) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.82% | 1.72% | 1.16% | 2.10% | 0.75% | 1.69% | 1.12% | 2.17% | 0.70% |
| Residential Therms | 1,204,118 | 1,213,475 | 1,227,706 | 1,242,178 | 1,262,579 | 1,271,614 | 1,286,863 | 1,302,763 | 1,324,459 | 1,334,473 |
| Commercial Therms | 2,286,931 | 2,311,207 | 2,344,225 | 2,378,075 | 2,422,586 | 2,447,581 | 2,482,735 | 2,520,621 | 2,568,165 | 2,595,899 |
| Industrial Therms | 890,735 | 893,649 | 923,442 | 927,837 | 960,045 | 961,534 | 991,297 | 991,757 | 1,028,523 | 1,025,915 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 4,448,914 | 4,485,463 | 4,562,504 | 4,615,220 | 4,712,341 | 4,747,861 | 4,828,026 | 4,882,272 | 4,988,278 | 5,023,417 |
| Daily Baseload Therms | 4,706 | 4,746 | 4,849 | 4,894 | 4,997 | 5,043 | 5,146 | 5,195 | 5,300 | 5,349 |
| Peak Day Therms | 47,011 | 47,569 | 48,306 | 48,877 | 49,707 | 50,279 | 51,072 | 51,700 | 52,544 | 53,172 |
| Therms Per Residential Customer | 558 | 556 | 556 | 556 | 558 | 556 | 556 | 556 | 558 | 556 |
| Therms Per Commercial Customer | 3,861 | 3,848 | 3,847 | 3,847 | 3,863 | 3,845 | 3,845 | 3,846 | 3,862 | 3,846 |
| Therms Per Industrial Customer | 31,812 | 31,821 | 31,843 | 31,903 | 32,001 | 31,962 | 31,977 | 31,992 | 32,141 | 32,060 |
| Residential Customers | 2,157 | 2,182 | 2,208 | 2,234 | 2,261 | 2,289 | 2,316 | 2,344 | 2,373 | 2,402 |
| Commercial Customers | 592 | 601 | 609 | 618 | 627 | 637 | 646 | 655 | 665 | 675 |
| Industrial Customers | 28 | 28 | 29 | 29 | 30 | 30 | 31 | 31 | 32 | 32 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,778 | 2,812 | 2,847 | 2,883 | 2,919 | 2,956 | 2,994 | 3,032 | 3,071 | 3,110 |

| Kalama #2 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.34% | 0.60% | 13.26% | 0.98% | 1.38% | 0.62% | 1.00% | 1.03% | 1.34% | 0.61% |
| Residential Therms | 288,586 | 292,826 | 298,226 | 303,598 | 310,430 | 314,902 | 320,354 | 326,075 | 333,468 | 337,734 |
| Commercial Therms | 229,060 | 230,367 | 233,803 | 237,629 | 242,791 | 245,395 | 249,569 | 253,792 | 258,517 | 261,392 |
| Industrial Therms | 302,027 | 301,406 | 401,875 | 401,875 | 402,901 | 401,776 | 401,776 | 401,875 | 402,901 | 401,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 819,673 | 824,599 | 933,905 | 943,102 | 956,123 | 962,073 | 971,699 | 981,742 | 994,887 | 1,001,001 |
| Daily Baseload Therms | 1,789 | 1,803 | 2,143 | 2,160 | 2,175 | 2,189 | 2,204 | 2,220 | 2,235 | 2,252 |
| Peak Day Therms | 5,020 | 5,081 | 5,696 | 5,758 | 5,792 | 5,853 | 5,914 | 5,984 | 6,046 | 6,115 |
| Therms Per Residential Customer | 1,332 | 1,328 | 1,327 | 1,327 | 1,332 | 1,327 | 1,327 | 1,327 | 1,333 | 1,327 |
| Therms Per Commercial Customer | 4,203 | 4,188 | 4,194 | 4,193 | 4,210 | 4,189 | 4,189 | 4,189 | 4,204 | 4,188 |
| Therms Per Industrial Customer | 100,676 | 100,469 | 100,469 | 100,469 | 100,725 | 100,444 | 100,444 | 100,469 | 100,725 | 100,469 |
| Residential Customers | 217 | 221 | 225 | 229 | 233 | 237 | 241 | 246 | 250 | 254 |
| Commercial Customers | 55 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 62 |
| Industrial Customers | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 274 | 279 | 284 | 289 | 295 | 300 | 305 | 310 | 316 | 321 |

| Lawrence | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.42% | 2.02% | 1.47% | 1.47% | 2.22% | 1.35% | 2.13% | 1.55% | 1.91% | 2.11% |
| Residential Therms | 52,378 | 53,076 | 54,048 | 54,786 | 55,746 | 56,268 | 57,007 | 57,742 | 58,713 | 59,748 |
| Commercial Therms | 25,704 | 26,602 | 26,812 | 27,272 | 28,149 | 28,410 | 29,251 | 29,870 | 30,597 | 31,477 |
| Industrial Therms | 719 | 717 | 717 | 717 | 719 | 1,082 | 1,330 | 1,330 | 1,334 | 1,330 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 78,801 | 80,395 | 81,577 | 82,776 | 84,614 | 85,760 | 87,588 | 88,942 | 90,644 | 92,555 |
| Daily Baseload Therms | 53 | 54 | 55 | 56 | 57 | 58 | 58 | 60 | 60 | 62 |
| Peak Day Therms | 867 | 889 | 897 | 919 | 927 | 949 | 956 | 978 | 994 | 1,016 |
| Therms Per Residential Customer | 741 | 738 | 740 | 740 | 742 | 740 | 740 | 739 | 742 | 738 |
| Therms Per Commercial Customer | 1,224 | 1,214 | 1,219 | 1,208 | 1,224 | 1,209 | 1,219 | 1,211 | 1,224 | 1,215 |
| Therms Per Industrial Customer | 616 | 615 | 615 | 615 | 616 | 590 | 639 | 639 | 640 | 639 |
| Residential Customers | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 81 |
| Commercial Customers | 21 | 22 | 22 | 23 | 23 | 24 | 24 | 25 | 25 | 26 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 93 | 95 | 96 | 98 | 99 | 101 | 103 | 105 | 106 | 109 |

| Moxee (Beauchene) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.85% | 0.87% | 1.22% | 1.88% | 1.91% | 0.95% | 1.35% | 1.98% | 1.94% | 1.16% |
| Residential Therms | 1,052,574 | 1,052,161 | 1,055,520 | 1,059,121 | 1,067,201 | 1,066,230 | 1,070,277 | 1,074,669 | 1,083,498 | 1,083,406 |
| Commercial Therms | 3,084,482 | 3,128,942 | 3,186,993 | 3,248,049 | 3,325,790 | 3,373,177 | 3,441,025 | 3,512,394 | 3,599,771 | 3,658,736 |
| Industrial Therms | 847,639 | 846,804 | 846,787 | 877,606 | 890,641 | 894,487 | 894,487 | 925,672 | 936,357 | 942,762 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,984,695 | 5,027,907 | 5,089,299 | 5,184,776 | 5,283,631 | 5,333,893 | 5,405,789 | 5,512,735 | 5,619,626 | 5,684,903 |
| Daily Baseload Therms | 5,341 | 5,388 | 5,436 | 5,611 | 5,664 | 5,716 | 5,774 | 5,955 | 6,017 | 6,075 |
| Peak Day Therms | 15,043 | 15,196 | 15,355 | 15,702 | 15,861 | 16,028 | 16,194 | 16,541 | 16,714 | 16,881 |
| Therms Per Residential Customer | 615 | 613 | 613 | 613 | 615 | 613 | 612 | 613 | 615 | 613 |
| Therms Per Commercial Customer | 6,341 | 6,317 | 6,316 | 6,318 | 6,346 | 6,312 | 6,313 | 6,315 | 6,340 | 6,313 |
| Therms Per Industrial Customer | 48,902 | 48,854 | 48,853 | 49,676 | 49,026 | 48,790 | 48,790 | 49,590 | 49,067 | 48,764 |
| Residential Customers | 1,711 | 1,717 | 1,722 | 1,728 | 1,734 | 1,741 | 1,748 | 1,754 | 1,762 | 1,769 |
| Commercial Customers | 486 | 495 | 505 | 514 | 524 | 534 | 545 | 556 | 568 | 580 |
| Industrial Customers | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 19 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,215 | 2,230 | 2,244 | 2,260 | 2,277 | 2,294 | 2,311 | 2,329 | 2,348 | 2,368 |

| Othello | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.43% | 1.42% | 0.16% | 1.66% | 0.51% | 1.26% | 0.13% | 0.18% | 1.97% | -0.19% |
| Residential Therms | 640,771 | 637,156 | 635,950 | 634,831 | 636,541 | 632,360 | 631,168 | 630,135 | 631,899 | 628,021 |
| Commercial Therms | 1,149,001 | 1,150,908 | 1,156,281 | 1,160,425 | 1,169,256 | 1,169,959 | 1,174,506 | 1,179,964 | 1,188,383 | 1,189,973 |
| Industrial Therms | 543,731 | 580,793 | 580,793 | 619,666 | 622,196 | 658,269 | 658,269 | 658,540 | 700,196 | 697,413 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,491,306 | 2,526,659 | 2,530,827 | 2,572,725 | 2,585,796 | 2,618,391 | 2,621,746 | 2,626,441 | 2,678,281 | 2,673,210 |
| Daily Baseload Therms | 3,270 | 3,354 | 3,358 | 3,443 | 3,451 | 3,536 | 3,540 | 3,548 | 3,632 | 3,636 |
| Peak Day Therms | 21,577 | 21,897 | 21,915 | 22,204 | 22,253 | 22,542 | 22,560 | 22,578 | 22,905 | 22,923 |
| Therms Per Residential Customer | 608 | 606 | 606 | 606 | 608 | 606 | 606 | 606 | 609 | 606 |
| Therms Per Commercial Customer | 3,755 | 3,746 | 3,747 | 3,747 | 3,759 | 3,745 | 3,745 | 3,746 | 3,758 | 3,747 |
| Therms Per Industrial Customer | 30,207 | 30,568 | 30,568 | 30,983 | 31,110 | 31,346 | 31,346 | 31,359 | 31,827 | 31,701 |
| Residential Customers | 1,054 | 1,052 | 1,050 | 1,048 | 1,046 | 1,044 | 1,042 | 1,040 | 1,038 | 1,036 |
| Commercial Customers | 306 | 307 | 309 | 310 | 311 | 312 | 314 | 315 | 316 | 318 |
| Industrial Customers | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 21 | 22 | 22 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,379 | 1,379 | 1,378 | 1,379 | 1,378 | 1,379 | 1,378 | 1,377 | 1,378 | 1,377 |

| North Pasco | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.78% | 1.91% | 2.29% | 2.33% | 2.75% | 1.80% | 2.30% | 2.27% | 2.71% | 2.53% |
| Residential Therms | 3,642,884 | 3,725,786 | 3,827,002 | 3,930,325 | 4,053,556 | 4,143,089 | 4,252,615 | 4,363,399 | 4,496,752 | 4,592,292 |
| Commercial Therms | 2,311,997 | 2,345,248 | 2,385,226 | 2,429,347 | 2,483,992 | 2,514,024 | 2,559,728 | 2,605,769 | 2,663,758 | 2,698,621 |
| Industrial Therms | 106,845 | 106,669 | 106,669 | 106,669 | 106,825 | 106,679 | 106,679 | 106,669 | 106,825 | 160,004 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,061,726 | 6,177,704 | 6,318,897 | 6,466,341 | 6,644,373 | 6,763,792 | 6,919,023 | 7,075,837 | 7,267,335 | 7,450,917 |
| Daily Baseload Therms | 3,907 | 3,997 | 4,081 | 4,173 | 4,267 | 4,355 | 4,450 | 4,547 | 4,645 | 4,848 |
| Peak Day Therms | 85,081 | 87,144 | 89,244 | 91,235 | 93,373 | 95,568 | 97,763 | 99,887 | 102,139 | 104,837 |
| Therms Per Residential Customer | 1,340 | 1,334 | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,333 | 1,339 | 1,333 |
| Therms Per Commercial Customer | 9,326 | 9,288 | 9,284 | 9,287 | 9,327 | 9,283 | 9,286 | 9,287 | 9,327 | 9,287 |
| Therms Per Industrial Customer | 53,422 | 53,335 | 53,335 | 53,335 | 53,413 | 53,340 | 53,340 | 53,335 | 53,413 | 53,335 |
| Residential Customers | 2,719 | 2,794 | 2,870 | 2,947 | 3,026 | 3,107 | 3,189 | 3,272 | 3,357 | 3,444 |
| Commercial Customers | 248 | 253 | 257 | 262 | 266 | 271 | 276 | 281 | 286 | 291 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,969 | 3,048 | 3,128 | 3,211 | 3,295 | 3,380 | 3,466 | 3,555 | 3,645 | 3,738 |

| Patterson | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.10% | -0.10% | 0.00% | 14.68% | 4.92% | -0.35% | 0.00% | 0.08% | 0.27% | -0.26% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Daily Baseload Therms | 476 | 476 | 476 | 571 | 571 | 571 | 571 | 571 | 571 | 571 |
| Peak Day Therms | 1,108 | 1,108 | 1,108 | 1,108 | 1,330 | 1,330 | 1,330 | 1,330 | 1,330 | 1,330 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,842 | 48,794 | 48,794 | 47,961 | 48,923 | 48,753 | 48,753 | 48,794 | 48,923 | 48,794 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| Prosser | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.36% | 1.37% | 1.74% | 1.87% | 3.51% | 2.70% | 1.60% | 1.58% | 2.11% | 1.09% |
| Residential Therms | 364,037 | 371,669 | 380,872 | 390,098 | 401,232 | 408,502 | 417,822 | 427,049 | 438,391 | 445,437 |
| Commercial Therms | 591,522 | 599,842 | 610,439 | 622,847 | 636,327 | 645,520 | 656,298 | 667,175 | 682,476 | 690,588 |
| Industrial Therms | 167,184 | 166,641 | 166,641 | 166,641 | 183,463 | 199,932 | 199,932 | 199,969 | 200,695 | 199,969 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,122,744 | 1,138,152 | 1,157,952 | 1,179,586 | 1,221,023 | 1,253,954 | 1,274,051 | 1,294,194 | 1,321,562 | 1,335,993 |
| Daily Baseload Therms | 880 | 897 | 911 | 928 | 972 | 986 | 1,003 | 1,017 | 1,034 | 1,048 |
| Peak Day Therms | 11,744 | 11,987 | 12,195 | 12,404 | 12,937 | 13,145 | 13,354 | 13,597 | 13,812 | 14,021 |
| Therms Per Residential Customer | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,363 | 3,350 | 3,348 | 3,349 | 3,362 | 3,350 | 3,347 | 3,348 | 3,362 | 3,348 |
| Therms Per Industrial Customer | 33,437 | 33,328 | 33,328 | 33,328 | 33,870 | 33,322 | 33,322 | 33,328 | 33,449 | 33,328 |
| Residential Customers | 644 | 660 | 676 | 693 | 709 | 726 | 742 | 759 | 775 | 791 |
| Commercial Customers | 176 | 179 | 182 | 186 | 189 | 193 | 196 | 199 | 203 | 206 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 824 | 844 | 864 | 884 | 904 | 924 | 944 | 964 | 984 | 1,003 |

| Quincy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.51% | 1.13% | 1.26% | 1.45% | 1.71% | 1.04% | 1.44% | 1.45% | 2.01% | 1.20% |
| Residential Therms | 30,844 | 30,377 | 30,087 | 29,788 | 29,329 | 28,995 | 28,592 | 28,245 | 28,144 | 27,499 |
| Commercial Therms | 630,250 | 641,313 | 652,974 | 666,550 | 682,073 | 693,149 | 707,281 | 721,453 | 740,470 | 753,958 |
| Industrial Therms | 232,280 | 231,776 | 231,750 | 231,724 | 232,569 | 231,618 | 231,618 | 231,776 | 232,543 | 231,724 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 893,374 | 903,466 | 914,811 | 928,061 | 943,971 | 953,763 | 967,492 | 981,475 | 1,001,156 | 1,013,181 |
| Daily Baseload Therms | 1,405 | 1,418 | 1,446 | 1,474 | 1,488 | 1,516 | 1,543 | 1,571 | 1,599 | 1,627 |
| Peak Day Therms | 5,711 | 5,760 | 5,854 | 5,904 | 5,998 | 6,092 | 6,142 | 6,236 | 6,335 | 6,429 |
| Therms Per Residential Customer | 596 | 595 | 596 | 595 | 598 | 594 | 595 | 596 | 598 | 596 |
| Therms Per Commercial Customer | 8,124 | 8,109 | 8,103 | 8,104 | 8,136 | 8,099 | 8,099 | 8,099 | 8,130 | 8,100 |
| Therms Per Industrial Customer | 38,183 | 38,100 | 38,096 | 38,092 | 38,231 | 38,074 | 38,074 | 38,100 | 38,226 | 38,092 |
| Residential Customers | 52 | 51 | 51 | 50 | 49 | 49 | 48 | 47 | 47 | 46 |
| Commercial Customers | 78 | 79 | 81 | 82 | 84 | 86 | 87 | 89 | 91 | 93 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 135 | 136 | 137 | 138 | 139 | 141 | 142 | 143 | 144 | 145 |

| Sunnyside | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 1.34% | 1.14% | 1.23% | 2.22% | 0.71% | 1.25% | 1.80% | 1.60% | 0.84% |
| Residential Therms | 1,204,971 | 1,213,670 | 1,227,814 | 1,242,437 | 1,262,899 | 1,271,960 | 1,287,219 | 1,302,990 | 1,324,812 | 1,334,750 |
| Commercial Therms | 1,935,907 | 1,955,025 | 1,983,231 | 2,011,566 | 2,049,568 | 2,070,086 | 2,100,528 | 2,131,948 | 2,172,527 | 2,195,788 |
| Industrial Therms | 521,221 | 542,566 | 542,566 | 545,829 | 571,695 | 569,613 | 572,868 | 596,823 | 598,918 | 600,086 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,662,099 | 3,711,261 | 3,753,611 | 3,799,832 | 3,884,162 | 3,911,659 | 3,960,615 | 4,031,761 | 4,096,258 | 4,130,624 |
| Daily Baseload Therms | 3,294 | 3,384 | 3,415 | 3,447 | 3,537 | 3,572 | 3,604 | 3,696 | 3,731 | 3,767 |
| Peak Day Therms | 37,972 | 38,610 | 39,064 | 39,524 | 40,240 | 40,707 | 41,206 | 41,929 | 42,435 | 42,940 |
| Therms Per Residential Customer | 571 | 569 | 569 | 569 | 571 | 568 | 568 | 568 | 571 | 568 |
| Therms Per Commercial Customer | 3,182 | 3,169 | 3,169 | 3,168 | 3,182 | 3,167 | 3,167 | 3,168 | 3,181 | 3,167 |
| Therms Per Industrial Customer | 27,194 | 27,128 | 27,128 | 27,178 | 27,224 | 27,124 | 27,172 | 27,128 | 27,224 | 27,174 |
| Residential Customers | 2,109 | 2,134 | 2,159 | 2,185 | 2,211 | 2,238 | 2,265 | 2,293 | 2,321 | 2,349 |
| Commercial Customers | 608 | 617 | 626 | 635 | 644 | 654 | 663 | 673 | 683 | 693 |
| Industrial Customers | 19 | 20 | 20 | 20 | 21 | 21 | 21 | 22 | 22 | 22 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,737 | 2,771 | 2,805 | 2,840 | 2,877 | 2,913 | 2,949 | 2,988 | 3,026 | 3,065 |

| Moses Lake | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.27% | -0.26% | 0.00% | 0.00% | 1.03% | 2.06% | 0.68% | 0.04% | 0.35% | -0.35% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 45,516 | 45,360 | 45,360 | 45,360 | 46,890 | 51,520 | 52,897 | 52,920 | 53,149 | 52,920 |
| Industrial Therms | 151,220 | 150,856 | 150,856 | 150,856 | 151,347 | 150,792 | 150,792 | 150,856 | 151,347 | 150,856 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 196,736 | 196,216 | 196,216 | 196,216 | 198,237 | 202,311 | 203,688 | 203,775 | 204,496 | 203,775 |
| Daily Baseload Therms | 226 | 226 | 226 | 226 | 226 | 233 | 233 | 233 | 233 | 233 |
| Peak Day Therms | 32,161 | 32,604 | 33,107 | 33,605 | 34,109 | 34,673 | 35,231 | 35,796 | 36,421 | 37,045 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,586 | 7,560 | 7,560 | 7,560 | 7,708 | 7,539 | 7,557 | 7,560 | 7,593 | 7,560 |
| Therms Per Industrial Customer | 21,603 | 21,551 | 21,551 | 21,551 | 21,621 | 21,542 | 21,542 | 21,551 | 21,621 | 21,551 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 |

| Woodland | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.46% | 0.91% | 1.17% | 2.84% | 1.59% | 0.74% | 1.19% | 1.27% | 1.63% | 2.31% |
| Residential Therms | 471,519 | 478,619 | 487,284 | 496,244 | 507,407 | 514,097 | 523,208 | 532,895 | 544,708 | 551,921 |
| Commercial Therms | 785,791 | 795,231 | 806,854 | 818,881 | 834,978 | 843,669 | 856,551 | 870,341 | 887,865 | 897,814 |
| Industrial Therms | 461,462 | 460,592 | 460,592 | 489,379 | 490,897 | 489,083 | 489,083 | 489,379 | 490,897 | 518,166 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,718,773 | 1,734,442 | 1,754,730 | 1,804,504 | 1,833,282 | 1,846,848 | 1,868,841 | 1,892,615 | 1,923,470 | 1,967,902 |
| Daily Baseload Therms | 2,309 | 2,327 | 2,349 | 2,435 | 2,458 | 2,480 | 2,499 | 2,522 | 2,545 | 2,635 |
| Peak Day Therms | 15,223 | 15,446 | 15,641 | 16,030 | 16,225 | 16,460 | 16,689 | 16,924 | 17,160 | 17,554 |
| Therms Per Residential Customer | 611 | 609 | 609 | 609 | 611 | 608 | 608 | 609 | 611 | 609 |
| Therms Per Commercial Customer | 3,445 | 3,434 | 3,433 | 3,433 | 3,449 | 3,432 | 3,432 | 3,433 | 3,448 | 3,433 |
| Therms Per Industrial Customer | 28,841 | 28,787 | 28,787 | 28,787 | 28,876 | 28,770 | 28,770 | 28,787 | 28,876 | 28,787 |
| Residential Customers | 772 | 786 | 800 | 815 | 830 | 845 | 860 | 875 | 891 | 907 |
| Commercial Customers | 228 | 232 | 235 | 239 | 242 | 246 | 250 | 254 | 258 | 262 |
| Industrial Customers | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 18 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,016 | 1,034 | 1,051 | 1,071 | 1,089 | 1,108 | 1,127 | 1,146 | 1,165 | 1,186 |

| A/M Rendering | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.66% | 2.16% | 0.33% | 2.42% | 0.64% | 2.03% | 1.58% | 1.32% | 2.56% | 0.57% |
| Residential Therms | 521,372 | 532,738 | 534,508 | 547,536 | 551,064 | 562,335 | 571,282 | 578,903 | 593,832 | 593,701 |
| Commercial Therms | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 7,488 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 525,348 | 536,702 | 538,471 | 551,500 | 555,039 | 566,298 | 575,246 | 582,866 | 597,807 | 601,189 |
| Daily Baseload Therms | 970 | 997 | 997 | 1,025 | 1,025 | 1,052 | 1,080 | 1,080 | 1,107 | 1,117 |
| Peak Day Therms | 4,111 | 4,227 | 4,227 | 4,344 | 4,344 | 4,460 | 4,577 | 4,577 | 4,694 | 4,722 |
| Therms Per Residential Customer | 14,861 | 14,798 | 14,813 | 14,798 | 14,860 | 14,798 | 14,775 | 14,812 | 14,846 | 14,812 |
| Therms Per Commercial Customer | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,907 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 35 | 36 | 36 | 37 | 37 | 38 | 39 | 39 | 40 | 40 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 36 | 37 | 37 | 38 | 38 | 39 | 40 | 40 | 41 | 42 |

| LDS Church | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.90% | 10.25% | 0.00% | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% |
| Residential Therms | 2,835 | 3,884 | 3,884 | 3,884 | 3,903 | 3,884 | 3,884 | 3,884 | 3,903 | 3,884 |
| Commercial Therms | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,904 | 10,919 | 10,919 | 10,919 | 10,971 | 10,919 | 10,919 | 10,919 | 10,971 | 10,919 |
| Daily Baseload Therms | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Peak Day Therms | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| Therms Per Residential Customer | 1,361 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 |
| Therms Per Commercial Customer | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| Kalama #1 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.99% | -0.98% | 0.00% | 0.00% | 0.99% | -0.98% | 0.00% | 0.00% | 0.99% | -0.98% |
| Residential Therms | 1,360 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,360 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 340 | 337 | 337 | 337 | 340 | 337 | 337 | 337 | 340 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| Dehawn Dairy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | 48.58% |
| Residential Therms | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,575 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,575 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 530 | 525 | 525 | 525 | 530 | 525 | 525 | 525 | 509 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |

| Yakima Chief Ranch | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |

| 7th Day School | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.94% | 1.62% | 0.00% | 0.00% | 0.56% | -0.55% | 1.08% | 3.96% | 0.94% | -0.55% |
| Residential Therms | 12,417 | 12,729 | 12,729 | 12,729 | 12,801 | 12,729 | 12,922 | 13,636 | 13,785 | 13,708 |
| Commercial Therms | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Industrial Therms | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 17,561 | 17,846 | 17,846 | 17,846 | 17,945 | 17,846 | 18,038 | 18,753 | 18,929 | 18,825 |
| Daily Baseload Therms | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Peak Day Therms | 129 | 129 | 129 | 129 | 129 | 129 | 136 | 136 | 136 | 136 |
| Therms Per Residential Customer | 1,014 | 979 | 979 | 979 | 985 | 979 | 988 | 998 | 985 | 979 |
| Therms Per Commercial Customer | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Therms Per Industrial Customer | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 |
| Residential Customers | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 |

| Yakima Training Center | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.08% | 0.80% | 1.40% | 1.56% | 1.76% | 0.93% | 1.66% | 1.38% | 1.99% | 0.94% |
| Residential Therms | 5,133 | 5,226 | 5,230 | 5,289 | 5,434 | 5,408 | 5,501 | 5,588 | 5,650 | 5,756 |
| Commercial Therms | 417,624 | 420,920 | 426,888 | 433,575 | 441,175 | 445,365 | 452,748 | 458,986 | 468,188 | 472,525 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 422,757 | 426,146 | 432,118 | 438,864 | 446,610 | 450,773 | 458,248 | 464,574 | 473,838 | 478,282 |
| Daily Baseload Therms | 74 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 84 | 85 |
| Peak Day Therms | 4,571 | 4,650 | 4,690 | 4,772 | 4,852 | 4,894 | 4,974 | 5,054 | 5,135 | 5,215 |
| Therms Per Residential Customer | 181 | 180 | 179 | 180 | 181 | 179 | 181 | 179 | 181 | 181 |
| Therms Per Commercial Customer | 3,740 | 3,719 | 3,717 | 3,719 | 3,736 | 3,717 | 3,721 | 3,716 | 3,736 | 3,716 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 28 | 29 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 32 |
| Commercial Customers | 112 | 113 | 115 | 117 | 118 | 120 | 122 | 124 | 125 | 127 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 140 | 142 | 144 | 146 | 148 | 150 | 152 | 155 | 157 | 159 |

| Burbank Heights Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.69% | 2.17% | 2.28% | 2.27% | 2.70% | 1.81% | 2.24% | 2.24% | 2.66% | 1.79% |
| Residential Therms | 4,154,470 | 4,251,306 | 4,366,162 | 4,483,245 | 4,622,402 | 4,723,017 | 4,846,766 | 4,974,112 | 5,124,519 | 5,233,156 |
| Commercial Therms | 2,682,936 | 2,722,269 | 2,770,045 | 2,818,802 | 2,880,868 | 2,919,676 | 2,971,088 | 3,022,624 | 3,089,422 | 3,130,812 |
| Industrial Therms | 156,346 | 171,833 | 171,833 | 171,833 | 172,083 | 171,781 | 171,781 | 171,833 | 172,083 | 171,833 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,993,751 | 7,145,407 | 7,308,039 | 7,473,880 | 7,675,353 | 7,814,474 | 7,989,636 | 8,168,568 | 8,386,025 | 8,535,800 |
| Daily Baseload Therms | 6,727 | 6,911 | 7,061 | 7,215 | 7,372 | 7,534 | 7,694 | 7,857 | 8,027 | 8,196 |
| Peak Day Therms | 84,004 | 86,033 | 88,036 | 90,036 | 92,125 | 94,210 | 96,323 | 98,494 | 100,724 | 102,950 |
| Therms Per Residential Customer | 377 | 375 | 375 | 375 | 377 | 375 | 375 | 375 | 377 | 375 |
| Therms Per Commercial Customer | 2,651 | 2,641 | 2,641 | 2,641 | 2,652 | 2,640 | 2,641 | 2,641 | 2,652 | 2,641 |
| Therms Per Industrial Customer | 15,635 | 15,621 | 15,621 | 15,621 | 15,644 | 15,616 | 15,616 | 15,621 | 15,644 | 15,621 |
| Residential Customers | 11,024 | 11,324 | 11,630 | 11,942 | 12,260 | 12,585 | 12,915 | 13,251 | 13,593 | 13,942 |
| Commercial Customers | 1,012 | 1,031 | 1,049 | 1,067 | 1,086 | 1,106 | 1,125 | 1,145 | 1,165 | 1,185 |
| Industrial Customers | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 12,046 | 12,366 | 12,690 | 13,021 | 13,358 | 13,702 | 14,051 | 14,407 | 14,769 | 15,138 |

| East Stanwood Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.45% | 0.66% | 1.06% | 1.07% | 1.44% | 0.64% | 1.04% | 1.04% | 1.44% | 0.65% |
| Residential Therms | 6,360,772 | 6,430,832 | 6,527,008 | 6,624,567 | 6,751,166 | 6,822,387 | 6,923,154 | 7,026,020 | 7,158,753 | 7,233,520 |
| Commercial Therms | 4,027,252 | 4,031,964 | 4,053,479 | 4,076,364 | 4,112,485 | 4,117,101 | 4,136,519 | 4,156,015 | 4,192,541 | 4,196,933 |
| Industrial Therms | 565,161 | 563,904 | 563,904 | 563,904 | 565,324 | 563,823 | 563,823 | 563,904 | 565,324 | 563,904 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 11,055,206 | 11,128,720 | 11,246,411 | 11,366,855 | 11,530,996 | 11,605,332 | 11,725,516 | 11,847,960 | 12,018,638 | 12,096,377 |
| Daily Baseload Therms | 11,711 | 11,817 | 11,924 | 12,033 | 12,138 | 12,244 | 12,350 | 12,458 | 12,567 | 12,682 |
| Peak Day Therms | 95,192 | 96,270 | 97,319 | 98,421 | 99,501 | 100,621 | 101,685 | 102,796 | 103,946 | 105,074 |
| Therms Per Residential Customer | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 |
| Therms Per Commercial Customer | 3,885 | 3,870 | 3,870 | 3,870 | 3,886 | 3,869 | 3,870 | 3,870 | 3,886 | 3,870 |
| Therms Per Industrial Customer | 113,032 | 112,781 | 112,781 | 112,781 | 113,065 | 112,765 | 112,765 | 112,781 | 113,065 | 112,781 |
| Residential Customers | 9,525 | 9,668 | 9,813 | 9,960 | 10,108 | 10,259 | 10,410 | 10,564 | 10,719 | 10,876 |
| Commercial Customers | 1,037 | 1,042 | 1,048 | 1,053 | 1,058 | 1,064 | 1,069 | 1,074 | 1,079 | 1,085 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 10,568 | 10,716 | 10,867 | 11,019 | 11,173 | 11,329 | 11,485 | 11,644 | 11,804 | 11,967 |

| Kennewick Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.65% | 1.77% | 2.15% | 2.08% | 2.48% | 1.58% | 1.98% | 1.93% | 2.32% | 1.44% |
| Residential Therms | 12,715,899 | 12,984,402 | 13,307,035 | 13,629,692 | 14,013,316 | 14,273,889 | 14,596,494 | 14,919,780 | 15,309,192 | 15,564,950 |
| Commercial Therms | 13,117,526 | 13,318,044 | 13,571,572 | 13,820,808 | 14,128,742 | 14,322,827 | 14,576,164 | 14,827,518 | 15,138,127 | 15,331,650 |
| Industrial Therms | 321,155 | 319,477 | 319,477 | 319,477 | 321,250 | 319,429 | 319,429 | 319,477 | 321,250 | 319,477 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 26,389,542 | 26,856,885 | 27,433,045 | 28,004,939 | 28,698,270 | 29,151,107 | 29,727,049 | 30,301,737 | 31,003,531 | 31,451,039 |
| Daily Baseload Therms | 24,675 | 25,195 | 25,715 | 26,231 | 26,751 | 27,266 | 27,786 | 28,301 | 28,821 | 29,336 |
| Peak Day Therms | 335,686 | 343,034 | 350,339 | 357,688 | 364,984 | 372,333 | 379,682 | 386,987 | 394,335 | 401,632 |
| Therms Per Residential Customer | 605 | 603 | 603 | 603 | 605 | 603 | 603 | 603 | 605 | 603 |
| Therms Per Commercial Customer | 4,320 | 4,304 | 4,304 | 4,304 | 4,320 | 4,303 | 4,303 | 4,303 | 4,320 | 4,303 |
| Therms Per Industrial Customer | 32,115 | 31,948 | 31,948 | 31,948 | 32,125 | 31,943 | 31,943 | 31,948 | 32,125 | 31,948 |
| Residential Customers | 21,003 | 21,538 | 22,074 | 22,610 | 23,146 | 23,682 | 24,218 | 24,754 | 25,290 | 25,825 |
| Commercial Customers | 3,036 | 3,094 | 3,153 | 3,211 | 3,270 | 3,328 | 3,387 | 3,446 | 3,504 | 3,563 |
| Industrial Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 24,050 | 24,644 | 25,239 | 25,833 | 26,427 | 27,021 | 27,616 | 28,210 | 28,805 | 29,399 |

| Longview South Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.78% | 1.10% | 1.81% | 1.48% | 1.90% | 1.04% | 1.49% | 1.53% | 2.26% | 1.08% |
| Residential Therms | 932,675 | 946,509 | 963,903 | 981,437 | 1,003,504 | 1,016,944 | 1,035,164 | 1,054,040 | 1,077,214 | 1,091,487 |
| Commercial Therms | 3,533,263 | 3,572,793 | 3,625,030 | 3,680,076 | 3,751,424 | 3,792,336 | 3,850,363 | 3,910,808 | 3,988,076 | 4,033,424 |
| Industrial Therms | 209,407 | 208,351 | 226,001 | 226,001 | 227,321 | 225,900 | 225,900 | 226,001 | 245,044 | 243,651 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 4,767,045 | 4,819,354 | 4,906,634 | 4,979,215 | 5,073,949 | 5,126,881 | 5,203,129 | 5,282,550 | 5,402,035 | 5,460,263 |
| Daily Baseload Therms | 4,355 | 4,421 | 4,501 | 4,567 | 4,634 | 4,703 | 4,773 | 4,844 | 4,935 | 5,009 |
| Peak Day Therms | 49,739 | 50,455 | 51,387 | 52,143 | 52,903 | 53,699 | 54,499 | 55,339 | 56,319 | 57,195 |
| Therms Per Residential Customer | 399 | 398 | 398 | 398 | 400 | 398 | 398 | 398 | 400 | 398 |
| Therms Per Commercial Customer | 3,457 | 3,445 | 3,445 | 3,445 | 3,459 | 3,443 | 3,443 | 3,444 | 3,458 | 3,444 |
| Therms Per Industrial Customer | 12,318 | 12,256 | 12,556 | 12,556 | 12,629 | 12,550 | 12,550 | 12,556 | 12,897 | 12,824 |
| Residential Customers | 2,335 | 2,378 | 2,422 | 2,466 | 2,511 | 2,556 | 2,602 | 2,649 | 2,696 | 2,743 |
| Commercial Customers | 1,022 | 1,037 | 1,052 | 1,068 | 1,085 | 1,101 | 1,118 | 1,136 | 1,153 | 1,171 |
| Industrial Customers | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,375 | 3,433 | 3,493 | 3,553 | 3,615 | 3,676 | 3,739 | 3,803 | 3,869 | 3,934 |

| Sedro-Woolley Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.61% | 0.86% | 1.21% | 1.25% | 1.63% | 0.82% | 1.20% | 1.26% | 1.62% | 0.78% |
| Residential Therms | 19,366,600 | 19,511,767 | 19,738,822 | 19,970,404 | 20,291,907 | 20,443,862 | 20,688,004 | 20,938,706 | 21,281,334 | 21,448,356 |
| Commercial Therms | 10,781,007 | 10,860,406 | 10,981,306 | 11,101,018 | 11,267,860 | 11,341,509 | 11,461,199 | 11,583,408 | 11,752,213 | 11,824,232 |
| Industrial Therms | 1,816,755 | 1,868,339 | 1,911,455 | 1,968,942 | 2,019,134 | 2,069,279 | 2,112,389 | 2,170,148 | 2,221,047 | 2,256,379 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 31,964,362 | 32,240,512 | 32,631,583 | 33,040,365 | 33,578,901 | 33,854,651 | 34,261,593 | 34,692,262 | 35,254,595 | 35,528,967 |
| Daily Baseload Therms | 27,910 | 28,294 | 28,657 | 29,049 | 29,416 | 29,815 | 30,192 | 30,594 | 30,977 | 31,363 |
| Peak Day Therms | 311,380 | 315,233 | 319,016 | 322,935 | 326,805 | 330,827 | 334,757 | 338,866 | 342,904 | 346,961 |
| Therms Per Residential Customer | 682 | 679 | 679 | 679 | 682 | 679 | 679 | 679 | 682 | 679 |
| Therms Per Commercial Customer | 2,907 | 2,896 | 2,896 | 2,895 | 2,907 | 2,895 | 2,895 | 2,895 | 2,907 | 2,895 |
| Therms Per Industrial Customer | 14,419 | 14,372 | 14,372 | 14,372 | 14,422 | 14,370 | 14,370 | 14,372 | 14,422 | 14,372 |
| Residential Customers | 28,390 | 28,719 | 29,053 | 29,395 | 29,742 | 30,096 | 30,456 | 30,822 | 31,194 | 31,573 |
| Commercial Customers | 3,709 | 3,751 | 3,793 | 3,834 | 3,876 | 3,918 | 3,959 | 4,001 | 4,043 | 4,084 |
| Industrial Customers | 126 | 130 | 133 | 137 | 140 | 144 | 147 | 151 | 154 | 157 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 32,225 | 32,599 | 32,979 | 33,366 | 33,758 | 34,157 | 34,562 | 34,973 | 35,391 | 35,814 |

| Sumas SPE Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.08% | 1.30% | 1.71% | 1.72% | 2.14% | 1.33% | 1.75% | 1.77% | 2.18% | 1.36% |
| Residential Therms | 35,772,858 | 36,149,250 | 36,678,573 | 37,218,977 | 37,925,187 | 38,331,001 | 38,904,552 | 39,491,583 | 40,251,396 | 40,693,825 |
| Commercial Therms | 18,865,593 | 19,184,493 | 19,587,387 | 20,004,101 | 20,513,870 | 20,874,511 | 21,329,309 | 21,799,047 | 22,367,019 | 22,773,028 |
| Industrial Therms | 1,503,085 | 1,537,902 | 1,577,441 | 1,616,973 | 1,661,724 | 1,695,915 | 1,735,577 | 1,775,115 | 1,820,500 | 1,846,919 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 56,141,536 | 56,871,646 | 57,843,401 | 58,840,051 | 60,100,781 | 60,901,427 | 61,969,437 | 63,065,745 | 64,438,915 | 65,313,773 |
| Daily Baseload Therms | 51,230 | 52,131 | 53,056 | 54,004 | 54,977 | 55,977 | 57,001 | 58,049 | 59,125 | 60,221 |
| Peak Day Therms | 567,465 | 577,049 | 586,868 | 596,943 | 607,260 | 617,798 | 628,577 | 639,614 | 650,877 | 662,376 |
| Therms Per Residential Customer | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 |
| Therms Per Commercial Customer | 3,041 | 3,030 | 3,030 | 3,030 | 3,041 | 3,029 | 3,029 | 3,029 | 3,041 | 3,029 |
| Therms Per Industrial Customer | 19,821 | 19,759 | 19,759 | 19,759 | 19,822 | 19,758 | 19,760 | 19,760 | 19,824 | 19,683 |
| Residential Customers | 50,323 | 51,056 | 51,804 | 52,569 | 53,349 | 54,144 | 54,956 | 55,783 | 56,625 | 57,483 |
| Commercial Customers | 6,203 | 6,332 | 6,465 | 6,603 | 6,745 | 6,891 | 7,041 | 7,196 | 7,355 | 7,518 |
| Industrial Customers | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 56,601 | 57,465 | 58,349 | 59,253 | 60,177 | 61,121 | 62,085 | 63,069 | 64,072 | 65,095 |

| Yakima Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 0.97% | 1.30% | 1.37% | 1.74% | 0.94% | 1.34% | 1.40% | 1.79% | 0.93% |
| Residential Therms | 14,003,974 | 14,108,696 | 14,273,975 | 14,442,466 | 14,678,451 | 14,786,831 | 14,964,580 | 15,147,263 | 15,397,556 | 15,516,214 |
| Commercial Therms | 13,904,597 | 14,046,472 | 14,246,226 | 14,450,958 | 14,722,222 | 14,872,097 | 15,090,423 | 15,315,847 | 15,607,855 | 15,772,531 |
| Industrial Therms | 3,496,305 | 3,555,763 | 3,604,805 | 3,675,946 | 3,738,856 | 3,795,391 | 3,851,186 | 3,922,006 | 3,998,745 | 4,043,719 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 31,614,342 | 31,920,398 | 32,334,473 | 32,778,836 | 33,348,996 | 33,663,786 | 34,115,656 | 34,594,583 | 35,213,622 | 35,541,931 |
| Daily Baseload Therms | 23,563 | 23,922 | 24,229 | 24,598 | 24,917 | 25,298 | 25,626 | 26,016 | 26,356 | 26,754 |
| Peak Day Therms | 332,154 | 336,326 | 340,946 | 345,302 | 350,099 | 354,632 | 359,568 | 364,240 | 369,310 | 374,151 |
| Therms Per Residential Customer | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 |
| Therms Per Commercial Customer | 3,582 | 3,568 | 3,568 | 3,568 | 3,583 | 3,567 | 3,567 | 3,567 | 3,582 | 3,567 |
| Therms Per Industrial Customer | 37,900 | 37,827 | 37,846 | 37,896 | 38,055 | 37,954 | 37,974 | 38,047 | 38,205 | 38,088 |
| Residential Customers | 20,959 | 21,205 | 21,456 | 21,712 | 21,972 | 22,238 | 22,508 | 22,782 | 23,060 | 23,342 |
| Commercial Customers | 3,881 | 3,936 | 3,993 | 4,050 | 4,109 | 4,170 | 4,231 | 4,294 | 4,358 | 4,422 |
| Industrial Customers | 92 | 94 | 95 | 97 | 98 | 100 | 101 | 103 | 105 | 106 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 24,935 | 25,237 | 25,545 | 25,861 | 26,182 | 26,509 | 26,842 | 27,180 | 27,524 | 27,872 |

| Zone 10 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.73% | 1.05% | 1.44% | 1.27% | 2.32% | 0.95% | 1.46% | 1.43% | 1.89% | 0.92% |
| Residential Therms | 3,534,142 | 3,566,200 | 3,612,601 | 3,659,829 | 3,724,275 | 3,755,621 | 3,805,088 | 3,856,739 | 3,924,665 | 3,958,881 |
| Commercial Therms | 5,728,990 | 5,790,097 | 5,874,841 | 5,962,873 | 6,076,545 | 6,141,174 | 6,231,559 | 6,327,308 | 6,448,740 | 6,519,247 |
| Industrial Therms | 1,737,198 | 1,760,527 | 1,790,320 | 1,799,337 | 1,887,493 | 1,902,948 | 1,935,966 | 1,960,418 | 2,001,702 | 2,012,036 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 11,067,462 | 11,183,955 | 11,344,893 | 11,489,170 | 11,755,444 | 11,866,873 | 12,039,744 | 12,211,595 | 12,442,238 | 12,557,295 |
| Daily Baseload Therms | 11,681 | 11,854 | 12,035 | 12,156 | 12,491 | 12,617 | 12,797 | 12,986 | 13,170 | 13,374 |
| Peak Day Therms | 111,952 | 113,576 | 115,159 | 116,584 | 118,910 | 120,383 | 122,082 | 123,902 | 125,663 | 127,294 |
| Therms Per Residential Customer | 588 | 585 | 585 | 585 | 588 | 585 | 585 | 585 | 587 | 585 |
| Therms Per Commercial Customer | 3,595 | 3,582 | 3,581 | 3,581 | 3,596 | 3,580 | 3,579 | 3,580 | 3,594 | 3,580 |
| Therms Per Industrial Customer | 27,073 | 27,050 | 27,126 | 27,126 | 27,191 | 27,153 | 27,235 | 27,228 | 27,389 | 27,159 |
| Residential Customers | 6,012 | 6,092 | 6,172 | 6,254 | 6,337 | 6,421 | 6,506 | 6,593 | 6,681 | 6,771 |
| Commercial Customers | 1,593 | 1,617 | 1,641 | 1,665 | 1,690 | 1,716 | 1,741 | 1,767 | 1,794 | 1,821 |
| Industrial Customers | 64 | 65 | 66 | 66 | 69 | 70 | 71 | 72 | 73 | 74 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 7,670 | 7,774 | 7,880 | 7,987 | 8,098 | 8,208 | 8,319 | 8,434 | 8,550 | 8,668 |

| Zone 11 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.51% | 0.80% | 1.12% | 1.26% | 1.59% | 0.78% | 1.18% | 1.31% | 1.66% | 0.82% |
| Residential Therms | 15,618,539 | 15,713,752 | 15,874,946 | 16,039,601 | 16,277,850 | 16,375,825 | 16,550,139 | 16,729,933 | 16,983,492 | 17,092,767 |
| Commercial Therms | 21,407,193 | 21,593,842 | 21,858,228 | 22,132,902 | 22,510,331 | 22,700,974 | 22,999,237 | 23,307,050 | 23,721,109 | 23,943,133 |
| Industrial Therms | 4,960,996 | 5,018,337 | 5,067,335 | 5,169,269 | 5,247,012 | 5,305,403 | 5,361,198 | 5,463,448 | 5,552,591 | 5,602,198 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 42,196,194 | 42,535,398 | 43,009,977 | 43,551,239 | 44,244,660 | 44,591,669 | 45,120,041 | 45,709,897 | 46,466,659 | 46,847,565 |
| Daily Baseload Therms | 39,336 | 39,733 | 40,082 | 40,621 | 40,984 | 41,401 | 41,791 | 42,355 | 42,764 | 43,215 |
| Peak Day Therms | 392,940 | 397,105 | 401,686 | 406,182 | 411,069 | 415,571 | 420,466 | 425,326 | 430,460 | 435,305 |
| Therms Per Residential Customer | 653 | 650 | 651 | 651 | 654 | 651 | 651 | 652 | 655 | 652 |
| Therms Per Commercial Customer | 4,100 | 4,085 | 4,083 | 4,082 | 4,098 | 4,080 | 4,079 | 4,079 | 4,095 | 4,078 |
| Therms Per Industrial Customer | 37,967 | 37,898 | 37,910 | 38,079 | 38,160 | 38,054 | 38,068 | 38,251 | 38,338 | 38,219 |
| Residential Customers | 23,923 | 24,158 | 24,398 | 24,644 | 24,894 | 25,149 | 25,409 | 25,674 | 25,943 | 26,216 |
| Commercial Customers | 5,221 | 5,287 | 5,353 | 5,421 | 5,493 | 5,564 | 5,638 | 5,714 | 5,792 | 5,871 |
| Industrial Customers | 131 | 132 | 134 | 136 | 138 | 139 | 141 | 143 | 145 | 147 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 29,276 | 29,579 | 29,887 | 30,203 | 30,526 | 30,855 | 31,191 | 31,533 | 31,882 | 32,236 |

| Zone 20 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.53% | 1.83% | 2.06% | 2.12% | 2.44% | 1.63% | 1.96% | 1.93% | 2.40% | 1.56% |
| Residential Therms | 21,174,441 | 21,619,540 | 22,157,527 | 22,699,992 | 23,348,362 | 23,795,346 | 24,350,517 | 24,911,448 | 25,586,981 | 26,043,479 |
| Commercial Therms | 19,424,027 | 19,702,140 | 20,049,016 | 20,397,812 | 20,837,136 | 21,104,995 | 21,463,904 | 21,822,080 | 22,266,965 | 22,540,020 |
| Industrial Therms | 1,279,297 | 1,329,627 | 1,329,627 | 1,368,501 | 1,373,702 | 1,406,950 | 1,406,950 | 1,407,374 | 1,451,701 | 1,499,582 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 42,270,529 | 43,044,072 | 43,928,935 | 44,859,069 | 45,951,964 | 46,700,056 | 47,614,135 | 48,533,666 | 49,698,412 | 50,475,845 |
| Daily Baseload Therms | 38,863 | 39,743 | 40,504 | 41,351 | 42,130 | 42,990 | 43,770 | 44,553 | 45,429 | 46,320 |
| Peak Day Therms | 560,256 | 572,465 | 584,402 | 596,623 | 608,700 | 621,188 | 633,516 | 645,705 | 658,494 | 671,453 |
| Therms Per Residential Customer | 591 | 588 | 588 | 588 | 591 | 588 | 588 | 588 | 591 | 588 |
| Therms Per Commercial Customer | 4,199 | 4,184 | 4,184 | 4,185 | 4,202 | 4,184 | 4,185 | 4,186 | 4,203 | 4,186 |
| Therms Per Industrial Customer | 27,219 | 27,135 | 27,135 | 27,370 | 27,474 | 27,587 | 27,587 | 27,596 | 27,917 | 28,294 |
| Residential Customers | 35,835 | 36,745 | 37,662 | 38,587 | 39,519 | 40,458 | 41,405 | 42,359 | 43,322 | 44,292 |
| Commercial Customers | 4,626 | 4,709 | 4,792 | 4,875 | 4,959 | 5,044 | 5,128 | 5,213 | 5,299 | 5,384 |
| Industrial Customers | 47 | 49 | 49 | 50 | 50 | 51 | 51 | 51 | 52 | 53 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 40,510 | 41,505 | 42,505 | 43,513 | 44,530 | 45,555 | 46,586 | 47,625 | 48,674 | 49,731 |

| Zone 24 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.92% | 0.78% | 1.50% | 1.16% | 1.89% | 0.80% | 1.37% | 1.19% | 1.75% | 0.73% |
| Residential Therms | 4,239,553 | 4,244,982 | 4,269,318 | 4,294,282 | 4,339,472 | 4,344,138 | 4,369,523 | 4,395,850 | 4,442,272 | 4,447,428 |
| Commercial Therms | 4,086,173 | 4,088,752 | 4,109,115 | 4,130,440 | 4,169,974 | 4,171,051 | 4,192,346 | 4,213,738 | 4,253,301 | 4,254,578 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 11,144,083 | 11,230,692 | 11,399,523 | 11,531,395 | 11,749,773 | 11,843,506 | 12,005,945 | 12,148,348 | 12,360,891 | 12,450,529 |
| Daily Baseload Therms | 10,598 | 10,900 | 11,066 | 11,371 | 11,535 | 11,840 | 12,143 | 12,312 | 12,614 | 12,782 |
| Peak Day Therms | 126,618 | 127,832 | 129,738 | 130,926 | 132,855 | 134,735 | 135,962 | 137,877 | 139,085 | 140,999 |
| Therms Per Residential Customer | 571 | 569 | 569 | 569 | 572 | 570 | 570 | 570 | 573 | 571 |
| Therms Per Commercial Customer | 2,745 | 2,734 | 2,734 | 2,734 | 2,745 | 2,732 | 2,732 | 2,732 | 2,743 | 2,731 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 7,419 | 7,459 | 7,500 | 7,541 | 7,582 | 7,625 | 7,667 | 7,710 | 7,753 | 7,796 |
| Commercial Customers | 1,488 | 1,496 | 1,503 | 1,511 | 1,519 | 1,527 | 1,535 | 1,543 | 1,550 | 1,558 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,950 | 8,998 | 9,048 | 9,099 | 9,150 | 9,202 | 9,253 | 9,305 | 9,357 | 9,409 |

| Zone 26 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.62% | 0.97% | 2.81% | 2.12% | 1.87% | 0.88% | 1.32% | 1.37% | 1.94% | 1.25% |
| Residential Therms | 1,737,821 | 1,763,585 | 1,795,798 | 1,828,563 | 1,869,636 | 1,894,775 | 1,928,556 | 1,963,730 | 2,007,092 | 2,033,542 |
| Commercial Therms | 4,948,600 | 5,000,426 | 5,069,980 | 5,178,718 | 5,287,673 | 5,340,817 | 5,418,647 | 5,500,079 | 5,603,748 | 5,663,263 |
| Industrial Therms | 972,895 | 970,350 | 1,088,469 | 1,117,256 | 1,121,118 | 1,116,759 | 1,116,759 | 1,117,256 | 1,138,842 | 1,163,693 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 7,751,018 | 7,826,061 | 8,045,948 | 8,216,237 | 8,370,127 | 8,444,051 | 8,555,662 | 8,672,765 | 8,841,381 | 8,952,198 |
| Daily Baseload Therms | 9,185 | 9,289 | 9,735 | 10,000 | 10,108 | 10,220 | 10,328 | 10,443 | 10,576 | 10,761 |
| Peak Day Therms | 72,736 | 73,767 | 75,536 | 76,773 | 78,010 | 79,134 | 80,256 | 81,427 | 82,735 | 84,101 |
| Therms Per Residential Customer | 510 | 508 | 508 | 508 | 510 | 508 | 507 | 508 | 510 | 508 |
| Therms Per Commercial Customer | 3,623 | 3,608 | 3,606 | 3,626 | 3,647 | 3,628 | 3,625 | 3,623 | 3,635 | 3,617 |
| Therms Per Industrial Customer | 27,025 | 26,954 | 28,644 | 28,648 | 28,747 | 28,635 | 28,635 | 28,648 | 28,471 | 28,383 |
| Residential Customers | 3,411 | 3,474 | 3,537 | 3,602 | 3,668 | 3,734 | 3,800 | 3,869 | 3,937 | 4,006 |
| Commercial Customers | 1,366 | 1,386 | 1,406 | 1,428 | 1,450 | 1,472 | 1,495 | 1,518 | 1,542 | 1,566 |
| Industrial Customers | 36 | 36 | 38 | 39 | 39 | 39 | 39 | 39 | 40 | 41 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,814 | 4,897 | 4,983 | 5,070 | 5,157 | 5,246 | 5,335 | 5,427 | 5,520 | 5,614 |

| Zone 30-S | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.64% | 0.88% | 1.53% | 1.31% | 1.70% | 0.91% | 1.32% | 1.34% | 1.75% | 0.95% |
| Residential Therms | 27,487,967 | 27,747,623 | 28,124,415 | 28,508,595 | 29,019,706 | 29,296,803 | 29,702,419 | 30,116,856 | 30,663,135 | 30,963,423 |
| Commercial Therms | 16,312,907 | 16,459,572 | 16,673,712 | 16,894,101 | 17,188,026 | 17,356,453 | 17,596,828 | 17,847,382 | 18,171,792 | 18,363,348 |
| Industrial Therms | 655,117 | 650,312 | 765,456 | 776,292 | 781,560 | 776,199 | 776,199 | 776,292 | 781,560 | 776,292 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 45,878,449 | 46,279,964 | 46,986,041 | 47,601,446 | 48,411,750 | 48,851,912 | 49,497,904 | 50,162,988 | 51,038,944 | 51,525,520 |
| Daily Baseload Therms | 43,744 | 44,253 | 45,068 | 45,605 | 46,155 | 46,721 | 47,293 | 47,876 | 48,478 | 49,093 |
| Peak Day Therms | 433,961 | 439,653 | 445,541 | 451,521 | 457,636 | 464,538 | 470,928 | 477,506 | 484,206 | 490,998 |
| Therms Per Residential Customer | 674 | 671 | 671 | 671 | 674 | 671 | 671 | 671 | 674 | 671 |
| Therms Per Commercial Customer | 3,864 | 3,848 | 3,847 | 3,845 | 3,858 | 3,841 | 3,839 | 3,838 | 3,851 | 3,834 |
| Therms Per Industrial Customer | 25,197 | 25,012 | 28,438 | 28,752 | 28,947 | 28,748 | 28,748 | 28,752 | 28,947 | 28,752 |
| Residential Customers | 40,786 | 41,340 | 41,904 | 42,479 | 43,065 | 43,662 | 44,269 | 44,886 | 45,514 | 46,153 |
| Commercial Customers | 4,221 | 4,277 | 4,335 | 4,394 | 4,456 | 4,519 | 4,584 | 4,651 | 4,719 | 4,789 |
| Industrial Customers | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 45,036 | 45,645 | 46,267 | 46,902 | 47,549 | 48,210 | 48,882 | 49,566 | 50,262 | 50,971 |

| Zone 30-W | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.88% | 1.13% | 1.51% | 1.53% | 1.93% | 1.13% | 1.53% | 1.56% | 1.95% | 1.13% |
| Residential Therms | 66,264,374 | 66,936,963 | 67,877,023 | 68,847,080 | 70,112,401 | 70,825,460 | 71,845,890 | 72,889,940 | 74,256,711 | 75,020,712 |
| Commercial Therms | 36,149,441 | 36,581,286 | 37,172,466 | 37,766,554 | 38,528,655 | 38,997,635 | 39,630,352 | 40,281,321 | 41,104,974 | 41,622,326 |
| Industrial Therms | 4,486,201 | 4,592,280 | 4,697,906 | 4,817,899 | 4,939,801 | 5,045,122 | 5,151,584 | 5,275,686 | 5,401,103 | 5,483,316 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 107,002,037 | 108,212,549 | 109,849,415 | 111,533,554 | 113,682,877 | 114,970,238 | 116,729,846 | 118,548,967 | 120,864,809 | 122,228,374 |
| Daily Baseload Therms | 98,768 | 100,326 | 101,873 | 103,490 | 105,080 | 106,786 | 108,468 | 110,176 | 111,930 | 113,693 |
| Peak Day Therms | 1,052,789 | 1,068,889 | 1,085,143 | 1,101,861 | 1,118,629 | 1,136,079 | 1,153,667 | 1,171,472 | 1,189,735 | 1,208,113 |
| Therms Per Residential Customer | 703 | 701 | 700 | 701 | 703 | 700 | 700 | 701 | 703 | 701 |
| Therms Per Commercial Customer | 3,087 | 3,075 | 3,074 | 3,074 | 3,085 | 3,072 | 3,072 | 3,071 | 3,083 | 3,070 |
| Therms Per Industrial Customer | 17,244 | 17,125 | 17,073 | 17,014 | 17,024 | 16,873 | 16,817 | 16,770 | 16,787 | 16,671 |
| Residential Customers | 94,228 | 95,553 | 96,902 | 98,279 | 99,681 | 101,111 | 102,566 | 104,047 | 105,555 | 107,089 |
| Commercial Customers | 11,709 | 11,897 | 12,091 | 12,287 | 12,488 | 12,693 | 12,902 | 13,116 | 13,333 | 13,557 |
| Industrial Customers | 260 | 268 | 275 | 283 | 290 | 299 | 306 | 315 | 322 | 329 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 106,199 | 107,720 | 109,269 | 110,851 | 112,460 | 114,104 | 115,775 | 117,478 | 119,211 | 120,976 |

| Zone GTN | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.43% | 1.58% | 2.00% | 1.93% | 2.31% | 1.41% | 1.83% | 1.80% | 2.23% | 1.30% |
| Residential Therms | 42,011,180 | 42,808,899 | 43,799,845 | 44,799,611 | 46,012,840 | 46,824,409 | 47,851,612 | 48,892,565 | 50,161,410 | 50,995,942 |
| Commercial Therms | 23,156,725 | 23,374,518 | 23,691,098 | 23,998,683 | 24,394,266 | 24,573,832 | 24,860,269 | 25,135,106 | 25,510,913 | 25,677,484 |
| Industrial Therms | 3,551,036 | 3,620,224 | 3,708,481 | 3,778,992 | 3,843,777 | 3,900,977 | 3,966,307 | 4,028,992 | 4,127,934 | 4,167,988 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 68,739,879 | 69,824,578 | 71,220,361 | 72,598,224 | 74,271,820 | 75,320,154 | 76,699,126 | 78,077,600 | 79,821,195 | 80,862,350 |
| Daily Baseload Therms | 59,152 | 60,392 | 61,563 | 62,679 | 63,846 | 64,954 | 66,145 | 67,315 | 68,418 | 69,622 |
| Peak Day Therms | 748,476 | 763,561 | 778,447 | 793,469 | 807,992 | 823,016 | 837,719 | 852,719 | 867,877 | 882,664 |
| Therms Per Residential Customer | 740 | 737 | 737 | 737 | 740 | 737 | 737 | 737 | 740 | 737 |
| Therms Per Commercial Customer | 2,914 | 2,902 | 2,903 | 2,903 | 2,915 | 2,903 | 2,903 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,637 | 28,506 | 28,637 | 28,575 | 28,578 | 28,422 | 28,348 | 28,241 | 28,290 | 28,083 |
| Residential Customers | 56,760 | 58,085 | 59,429 | 60,788 | 62,158 | 63,543 | 64,940 | 66,350 | 67,775 | 69,213 |
| Commercial Customers | 7,946 | 8,054 | 8,161 | 8,267 | 8,368 | 8,466 | 8,565 | 8,659 | 8,752 | 8,843 |
| Industrial Customers | 124 | 127 | 130 | 132 | 135 | 137 | 140 | 143 | 146 | 148 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 64,832 | 66,267 | 67,721 | 69,187 | 70,662 | 72,148 | 73,645 | 75,153 | 76,673 | 78,205 |

| Zone ME-OR | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.14% | 0.91% | 2.13% | 1.76% | 1.69% | 1.37% | 1.31% | 1.83% | 2.20% | 1.03% |
| Residential Therms | 7,261,477 | 7,378,637 | 7,531,995 | 7,690,157 | 7,888,308 | 8,021,091 | 8,194,132 | 8,372,433 | 8,592,760 | 8,742,136 |
| Commercial Therms | 7,260,414 | 7,294,350 | 7,361,126 | 7,427,605 | 7,524,509 | 7,564,959 | 7,635,306 | 7,710,193 | 7,812,724 | 7,860,580 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 17,154,686 | 17,311,616 | 17,679,942 | 17,991,779 | 18,296,011 | 18,546,970 | 18,790,340 | 19,133,548 | 19,553,629 | 19,754,845 |
| Daily Baseload Therms | 17,532 | 17,740 | 18,286 | 18,651 | 18,842 | 19,213 | 19,409 | 19,794 | 20,172 | 19,716 |
| Peak Day Therms | 201,209 | 204,058 | 208,780 | 212,289 | 215,280 | 218,837 | 222,018 | 225,840 | 229,796 | 233,055 |
| Therms Per Residential Customer | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,646 | 3,631 | 3,632 | 3,632 | 3,646 | 3,631 | 3,631 | 3,631 | 3,645 | 3,631 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 12,836 | 13,100 | 13,372 | 13,654 | 13,945 | 14,244 | 14,552 | 14,867 | 15,192 | 15,525 |
| Commercial Customers | 1,991 | 2,009 | 2,027 | 2,045 | 2,064 | 2,083 | 2,103 | 2,123 | 2,143 | 2,165 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 14,867 | 15,149 | 15,441 | 15,741 | 16,051 | 16,371 | 16,698 | 17,036 | 17,381 | 17,736 |

| Zone ME-WA | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.49% | 0.71% | 1.10% | 1.11% | 1.53% | 0.70% | 1.11% | 1.13% | 1.53% | 0.71% |
| Residential Therms | 7,372,240 | 7,436,359 | 7,531,607 | 7,627,895 | 7,757,597 | 7,823,078 | 7,922,310 | 8,023,262 | 8,158,395 | 8,226,261 |
| Commercial Therms | 4,703,401 | 4,742,389 | 4,800,385 | 4,860,773 | 4,942,764 | 4,984,650 | 5,047,745 | 5,113,764 | 5,201,084 | 5,246,727 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 13,831,989 | 13,929,633 | 14,082,876 | 14,239,553 | 14,456,709 | 14,558,613 | 14,720,940 | 14,887,911 | 15,115,827 | 15,223,873 |
| Daily Baseload Therms | 11,438 | 11,555 | 11,672 | 11,792 | 11,914 | 12,036 | 12,162 | 12,288 | 12,415 | 12,546 |
| Peak Day Therms | 182,778 | 184,842 | 186,915 | 189,044 | 191,190 | 193,393 | 195,570 | 197,838 | 200,073 | 202,365 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 | 3,257 | 3,244 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 12,720 | 12,883 | 13,049 | 13,216 | 13,385 | 13,557 | 13,729 | 13,904 | 14,080 | 14,257 |
| Commercial Customers | 1,444 | 1,462 | 1,480 | 1,498 | 1,517 | 1,537 | 1,556 | 1,576 | 1,597 | 1,618 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 14,181 | 14,363 | 14,546 | 14,732 | 14,921 | 15,111 | 15,303 | 15,498 | 15,694 | 15,892 |

| Bellingham Disctrict | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.06% | 1.31% | 1.71% | 1.72% | 2.13% | 1.34% | 1.75% | 1.76% | 2.18% | 1.36% |
| Residential Therms | 36,424,203 | 36,814,780 | 37,347,714 | 37,903,086 | 38,615,093 | 39,033,834 | 39,618,069 | 40,214,815 | 40,992,028 | 41,436,519 |
| Commercial Therms | 19,096,807 | 19,418,062 | 19,832,548 | 20,249,729 | 20,765,427 | 21,131,716 | 21,591,835 | 22,066,335 | 22,640,477 | 23,056,894 |
| Industrial Therms | 1,503,804 | 1,538,620 | 1,578,158 | 1,617,691 | 1,662,443 | 1,696,998 | 1,736,907 | 1,776,445 | 1,821,834 | 1,848,250 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 57,024,814 | 57,771,462 | 58,758,420 | 59,770,506 | 61,042,963 | 61,862,547 | 62,946,812 | 64,057,596 | 65,454,338 | 66,341,662 |
| Daily Baseload Therms | 52,444 | 53,374 | 54,310 | 55,288 | 56,262 | 57,302 | 58,354 | 59,404 | 60,516 | 61,626 |
| Peak Day Therms | 575,193 | 584,928 | 594,901 | 605,127 | 615,459 | 626,260 | 637,205 | 648,276 | 659,784 | 671,386 |
| Therms Per Residential Customer | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 |
| Therms Per Commercial Customer | 3,054 | 3,042 | 3,043 | 3,042 | 3,054 | 3,042 | 3,042 | 3,042 | 3,054 | 3,042 |
| Therms Per Industrial Customer | 19,530 | 19,476 | 19,483 | 19,490 | 19,558 | 19,357 | 19,317 | 19,327 | 19,398 | 19,269 |
| Residential Customers | 50,537 | 51,275 | 52,026 | 52,794 | 53,577 | 54,377 | 55,191 | 56,021 | 56,867 | 57,729 |
| Commercial Customers | 6,252 | 6,382 | 6,518 | 6,656 | 6,798 | 6,946 | 7,098 | 7,253 | 7,413 | 7,579 |
| Industrial Customers | 77 | 79 | 81 | 83 | 85 | 88 | 90 | 92 | 94 | 96 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 56,866 | 57,737 | 58,625 | 59,533 | 60,460 | 61,410 | 62,379 | 63,367 | 64,374 | 65,405 |

| Mount Vernon District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.68% | 0.93% | 1.29% | 1.32% | 1.69% | 0.89% | 1.27% | 1.32% | 1.69% | 0.86% |
| Residential Therms | 29,840,171 | 30,122,183 | 30,529,309 | 30,943,994 | 31,497,308 | 31,791,626 | 32,227,820 | 32,675,125 | 33,264,683 | 33,584,193 |
| Commercial Therms | 17,052,634 | 17,163,224 | 17,339,918 | 17,516,825 | 17,763,228 | 17,865,919 | 18,038,517 | 18,214,986 | 18,464,497 | 18,565,432 |
| Industrial Therms | 2,982,397 | 3,053,660 | 3,119,748 | 3,200,208 | 3,277,359 | 3,348,125 | 3,414,677 | 3,499,241 | 3,579,270 | 3,635,067 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 49,977,223 | 50,441,088 | 51,090,996 | 51,763,048 | 52,639,915 | 53,107,690 | 53,783,034 | 54,491,371 | 55,410,471 | 55,886,712 |
| Daily Baseload Therms | 46,324 | 46,952 | 47,563 | 48,202 | 48,818 | 49,484 | 50,113 | 50,772 | 51,414 | 52,066 |
| Peak Day Therms | 477,596 | 483,961 | 490,242 | 496,734 | 503,170 | 509,819 | 516,462 | 523,196 | 529,952 | 536,726 |
| Therms Per Residential Customer | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 680 | 683 | 680 |
| Therms Per Commercial Customer | 3,125 | 3,112 | 3,111 | 3,111 | 3,122 | 3,108 | 3,108 | 3,107 | 3,119 | 3,106 |
| Therms Per Industrial Customer | 16,282 | 16,143 | 16,067 | 15,988 | 15,974 | 15,843 | 15,778 | 15,715 | 15,710 | 15,601 |
| Residential Customers | 43,691 | 44,278 | 44,876 | 45,485 | 46,104 | 46,734 | 47,375 | 48,026 | 48,687 | 49,360 |
| Commercial Customers | 5,457 | 5,515 | 5,573 | 5,632 | 5,689 | 5,748 | 5,805 | 5,862 | 5,920 | 5,978 |
| Industrial Customers | 183 | 189 | 194 | 200 | 205 | 211 | 216 | 223 | 228 | 233 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 49,333 | 49,983 | 50,645 | 51,317 | 52,000 | 52,694 | 53,397 | 54,112 | 54,836 | 55,572 |

| Bremerton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.82% | 1.04% | 1.73% | 1.48% | 1.87% | 1.07% | 1.48% | 1.50% | 1.90% | 1.10% |
| Residential Therms | 24,952,307 | 25,209,950 | 25,574,832 | 25,946,634 | 26,434,176 | 26,709,333 | 27,101,199 | 27,500,840 | 28,021,513 | 28,317,866 |
| Commercial Therms | 13,163,655 | 13,326,085 | 13,544,663 | 13,769,491 | 14,055,330 | 14,238,611 | 14,482,579 | 14,733,983 | 15,049,307 | 15,253,494 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 39,883,560 | 40,299,754 | 40,998,358 | 41,605,825 | 42,383,362 | 42,837,643 | 43,473,476 | 44,124,521 | 44,964,675 | 45,461,059 |
| Daily Baseload Therms | 37,280 | 37,787 | 38,600 | 39,134 | 39,681 | 40,238 | 40,808 | 41,386 | 41,978 | 42,584 |
| Peak Day Therms | 377,637 | 383,256 | 389,057 | 394,950 | 400,978 | 407,738 | 414,027 | 420,464 | 427,055 | 433,691 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 | 3,744 | 3,730 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 37,190 | 37,727 | 38,274 | 38,832 | 39,399 | 39,977 | 40,565 | 41,162 | 41,769 | 42,386 |
| Commercial Customers | 3,515 | 3,572 | 3,631 | 3,691 | 3,754 | 3,818 | 3,883 | 3,950 | 4,019 | 4,090 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 40,722 | 41,316 | 41,922 | 42,540 | 43,170 | 43,812 | 44,465 | 45,129 | 45,805 | 46,493 |

| Longview District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 1.00% | 2.90% | 1.72% | 1.77% | 0.93% | 1.37% | 1.41% | 2.00% | 1.31% |
| Residential Therms | 1,737,821 | 1,763,585 | 1,795,798 | 1,828,563 | 1,869,636 | 1,894,775 | 1,928,556 | 1,963,730 | 2,007,092 | 2,033,542 |
| Commercial Therms | 4,704,392 | 4,756,457 | 4,826,011 | 4,898,945 | 4,994,134 | 5,048,299 | 5,126,128 | 5,207,316 | 5,310,209 | 5,370,500 |
| Industrial Therms | 972,895 | 970,350 | 1,088,469 | 1,117,256 | 1,121,118 | 1,116,759 | 1,116,759 | 1,117,256 | 1,138,842 | 1,163,693 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 7,506,809 | 7,582,092 | 7,801,979 | 7,936,464 | 8,076,589 | 8,151,533 | 8,263,143 | 8,380,003 | 8,547,843 | 8,659,436 |
| Daily Baseload Therms | 8,709 | 8,813 | 9,259 | 9,429 | 9,537 | 9,648 | 9,757 | 9,871 | 10,004 | 10,190 |
| Peak Day Therms | 71,627 | 72,659 | 74,428 | 75,665 | 76,680 | 77,804 | 78,926 | 80,097 | 81,405 | 82,771 |
| Therms Per Residential Customer | 510 | 508 | 508 | 508 | 510 | 508 | 507 | 508 | 510 | 508 |
| Therms Per Commercial Customer | 3,457 | 3,444 | 3,444 | 3,445 | 3,459 | 3,443 | 3,443 | 3,444 | 3,458 | 3,444 |
| Therms Per Industrial Customer | 27,025 | 26,954 | 28,644 | 28,648 | 28,747 | 28,635 | 28,635 | 28,648 | 28,471 | 28,383 |
| Residential Customers | 3,411 | 3,474 | 3,537 | 3,602 | 3,668 | 3,734 | 3,800 | 3,869 | 3,937 | 4,006 |
| Commercial Customers | 1,361 | 1,381 | 1,401 | 1,422 | 1,444 | 1,466 | 1,489 | 1,512 | 1,536 | 1,560 |
| Industrial Customers | 36 | 36 | 38 | 39 | 39 | 39 | 39 | 39 | 40 | 41 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,809 | 4,892 | 4,978 | 5,064 | 5,151 | 5,240 | 5,329 | 5,421 | 5,514 | 5,608 |

| Aberdeen District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.45% | -0.24% | 0.12% | 0.13% | 0.55% | -0.23% | 0.17% | 0.23% | 0.59% | -0.16% |
| Residential Therms | 2,535,660 | 2,537,673 | 2,549,583 | 2,561,961 | 2,585,530 | 2,587,470 | 2,601,221 | 2,616,017 | 2,641,621 | 2,645,557 |
| Commercial Therms | 3,149,253 | 3,133,487 | 3,129,049 | 3,124,610 | 3,132,696 | 3,117,842 | 3,114,249 | 3,113,399 | 3,122,485 | 3,109,854 |
| Industrial Therms | 309,977 | 309,051 | 309,051 | 309,051 | 310,163 | 308,958 | 308,958 | 309,051 | 310,163 | 309,051 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,994,889 | 5,980,210 | 5,987,683 | 5,995,621 | 6,028,388 | 6,014,269 | 6,024,428 | 6,038,466 | 6,074,269 | 6,064,461 |
| Daily Baseload Therms | 6,464 | 6,466 | 6,468 | 6,471 | 6,473 | 6,483 | 6,486 | 6,490 | 6,500 | 6,510 |
| Peak Day Therms | 56,324 | 56,397 | 56,484 | 56,571 | 56,658 | 56,800 | 56,901 | 57,042 | 57,151 | 57,306 |
| Therms Per Residential Customer | 705 | 703 | 703 | 702 | 705 | 702 | 702 | 702 | 705 | 702 |
| Therms Per Commercial Customer | 4,460 | 4,446 | 4,446 | 4,446 | 4,463 | 4,445 | 4,444 | 4,446 | 4,462 | 4,446 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,596 | 3,612 | 3,629 | 3,647 | 3,665 | 3,685 | 3,704 | 3,724 | 3,745 | 3,767 |
| Commercial Customers | 706 | 705 | 704 | 703 | 702 | 702 | 701 | 700 | 700 | 700 |
| Industrial Customers | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,314 | 4,329 | 4,345 | 4,362 | 4,379 | 4,398 | 4,417 | 4,437 | 4,457 | 4,478 |

| Kennewick District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.66% | 1.85% | 2.17% | 2.23% | 2.58% | 1.63% | 2.06% | 2.03% | 2.42% | 1.66% |
| Residential Therms | 20,533,671 | 20,982,384 | 21,521,577 | 22,065,161 | 22,711,820 | 23,162,986 | 23,719,348 | 24,281,313 | 24,955,082 | 25,415,458 |
| Commercial Therms | 18,473,717 | 18,749,841 | 19,091,344 | 19,471,801 | 19,914,529 | 20,176,035 | 20,529,019 | 20,881,959 | 21,318,972 | 21,589,889 |
| Industrial Therms | 584,345 | 597,979 | 597,979 | 597,979 | 600,158 | 597,890 | 597,890 | 597,979 | 600,158 | 651,313 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 39,826,696 | 40,565,165 | 41,445,862 | 42,369,902 | 43,461,469 | 44,171,872 | 45,081,219 | 45,996,212 | 47,109,174 | 47,891,622 |
| Daily Baseload Therms | 35,844 | 36,639 | 37,396 | 38,254 | 39,024 | 39,792 | 40,569 | 41,344 | 42,135 | 43,022 |
| Peak Day Therms | 507,626 | 519,073 | 530,488 | 541,922 | 553,668 | 565,303 | 577,055 | 588,662 | 600,499 | 612,815 |
| Therms Per Residential Customer | 590 | 588 | 588 | 588 | 590 | 588 | 588 | 588 | 590 | 588 |
| Therms Per Commercial Customer | 4,277 | 4,261 | 4,259 | 4,266 | 4,284 | 4,265 | 4,265 | 4,264 | 4,280 | 4,262 |
| Therms Per Industrial Customer | 26,561 | 25,999 | 25,999 | 25,999 | 26,094 | 25,995 | 25,995 | 25,999 | 26,094 | 27,138 |
| Residential Customers | 34,781 | 35,693 | 36,612 | 37,539 | 38,472 | 39,414 | 40,363 | 41,319 | 42,283 | 43,255 |
| Commercial Customers | 4,319 | 4,401 | 4,483 | 4,565 | 4,648 | 4,731 | 4,814 | 4,897 | 4,981 | 5,066 |
| Industrial Customers | 22 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 24 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 39,123 | 40,118 | 41,119 | 42,127 | 43,145 | 44,169 | 45,201 | 46,240 | 47,289 | 48,346 |

| Walla Walla District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.49% | 0.71% | 1.10% | 1.11% | 1.53% | 0.70% | 1.11% | 1.13% | 1.53% | 0.71% |
| Residential Therms | 7,372,240 | 7,436,359 | 7,531,607 | 7,627,895 | 7,757,597 | 7,823,078 | 7,922,310 | 8,023,262 | 8,158,395 | 8,226,261 |
| Commercial Therms | 4,703,401 | 4,742,389 | 4,800,385 | 4,860,773 | 4,942,764 | 4,984,650 | 5,047,745 | 5,113,764 | 5,201,084 | 5,246,727 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 13,831,989 | 13,929,633 | 14,082,876 | 14,239,553 | 14,456,709 | 14,558,613 | 14,720,940 | 14,887,911 | 15,115,827 | 15,223,873 |
| Daily Baseload Therms | 11,438 | 11,555 | 11,672 | 11,792 | 11,914 | 12,036 | 12,162 | 12,288 | 12,415 | 12,546 |
| Peak Day Therms | 182,778 | 184,842 | 186,915 | 189,044 | 191,190 | 193,393 | 195,570 | 197,838 | 200,073 | 202,365 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 | 3,257 | 3,244 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 12,720 | 12,883 | 13,049 | 13,216 | 13,385 | 13,557 | 13,729 | 13,904 | 14,080 | 14,257 |
| Commercial Customers | 1,444 | 1,462 | 1,480 | 1,498 | 1,517 | 1,537 | 1,556 | 1,576 | 1,597 | 1,618 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 14,181 | 14,363 | 14,546 | 14,732 | 14,921 | 15,111 | 15,303 | 15,498 | 15,694 | 15,892 |

| Wenatchee District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.24% | 0.27% | -0.03% | 0.46% | 0.40% | 0.18% | 0.02% | 0.03% | 0.93% | -0.28% |
| Residential Therms | 1,197,628 | 1,184,825 | 1,176,172 | 1,167,556 | 1,163,304 | 1,149,716 | 1,140,949 | 1,132,548 | 1,128,687 | 1,115,411 |
| Commercial Therms | 5,195,008 | 5,193,777 | 5,199,763 | 5,206,104 | 5,237,290 | 5,231,814 | 5,242,444 | 5,252,706 | 5,286,827 | 5,282,234 |
| Industrial Therms | 1,312,003 | 1,347,418 | 1,347,392 | 1,386,239 | 1,391,059 | 1,424,585 | 1,424,585 | 1,425,165 | 1,469,032 | 1,463,986 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 7,862,441 | 7,883,823 | 7,881,129 | 7,917,702 | 7,949,455 | 7,963,918 | 7,965,782 | 7,968,222 | 8,042,349 | 8,019,434 |
| Daily Baseload Therms | 13,853 | 13,928 | 13,925 | 14,003 | 14,001 | 14,076 | 14,083 | 14,084 | 14,173 | 14,169 |
| Peak Day Therms | 94,911 | 95,435 | 95,717 | 96,216 | 96,618 | 97,233 | 97,521 | 97,865 | 98,626 | 99,026 |
| Therms Per Residential Customer | 526 | 524 | 525 | 525 | 528 | 526 | 527 | 527 | 530 | 529 |
| Therms Per Commercial Customer | 4,932 | 4,923 | 4,926 | 4,929 | 4,949 | 4,936 | 4,940 | 4,944 | 4,965 | 4,954 |
| Therms Per Industrial Customer | 28,470 | 28,618 | 28,617 | 28,830 | 28,930 | 29,024 | 29,024 | 29,036 | 29,332 | 29,231 |
| Residential Customers | 2,278 | 2,260 | 2,241 | 2,222 | 2,203 | 2,185 | 2,166 | 2,147 | 2,129 | 2,110 |
| Commercial Customers | 1,053 | 1,055 | 1,056 | 1,056 | 1,058 | 1,060 | 1,061 | 1,062 | 1,065 | 1,066 |
| Industrial Customers | 46 | 47 | 47 | 48 | 48 | 49 | 49 | 49 | 50 | 50 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,378 | 3,363 | 3,345 | 3,328 | 3,311 | 3,295 | 3,277 | 3,260 | 3,245 | 3,228 |

| Yakima District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.98% | 1.32% | 1.40% | 1.89% | 0.95% | 1.37% | 1.47% | 1.83% | 0.95% |
| Residential Therms | 18,595,824 | 18,732,283 | 18,947,325 | 19,166,705 | 19,475,362 | 19,614,089 | 19,845,446 | 20,084,259 | 20,411,369 | 20,564,257 |
| Commercial Therms | 23,135,693 | 23,386,430 | 23,734,948 | 24,095,455 | 24,565,732 | 24,831,813 | 25,215,755 | 25,614,535 | 26,124,555 | 26,423,039 |
| Industrial Therms | 6,081,142 | 6,163,095 | 6,241,912 | 6,352,889 | 6,516,990 | 6,592,826 | 6,681,639 | 6,808,095 | 6,936,804 | 6,998,517 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 48,089,256 | 48,558,405 | 49,200,782 | 49,891,646 | 50,834,682 | 51,315,326 | 52,019,438 | 52,783,487 | 53,749,325 | 54,262,411 |
| Daily Baseload Therms | 40,659 | 41,239 | 41,776 | 42,442 | 43,150 | 43,711 | 44,278 | 45,039 | 45,627 | 46,288 |
| Peak Day Therms | 463,719 | 469,748 | 476,151 | 482,360 | 489,722 | 495,936 | 502,818 | 509,737 | 516,822 | 523,542 |
| Therms Per Residential Customer | 648 | 645 | 645 | 645 | 648 | 645 | 645 | 645 | 647 | 644 |
| Therms Per Commercial Customer | 3,810 | 3,796 | 3,796 | 3,797 | 3,814 | 3,797 | 3,798 | 3,800 | 3,817 | 3,802 |
| Therms Per Industrial Customer | 34,999 | 34,935 | 34,952 | 35,099 | 35,069 | 34,991 | 35,013 | 35,139 | 35,242 | 35,066 |
| Residential Customers | 28,710 | 29,042 | 29,379 | 29,723 | 30,074 | 30,430 | 30,792 | 31,161 | 31,534 | 31,914 |
| Commercial Customers | 6,073 | 6,161 | 6,253 | 6,346 | 6,442 | 6,539 | 6,639 | 6,741 | 6,845 | 6,950 |
| Industrial Customers | 174 | 176 | 179 | 181 | 186 | 188 | 191 | 194 | 197 | 200 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 34,960 | 35,383 | 35,813 | 36,253 | 36,704 | 37,160 | 37,624 | 38,098 | 38,578 | 39,067 |

| Central Oregon (Bend) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.43% | 1.58% | 2.00% | 1.93% | 2.31% | 1.41% | 1.83% | 1.80% | 2.23% | 1.30% |
| Residential Therms | 42,011,180 | 42,808,899 | 43,799,845 | 44,799,611 | 46,012,840 | 46,824,409 | 47,851,612 | 48,892,565 | 50,161,410 | 50,995,942 |
| Commercial Therms | 23,156,725 | 23,374,518 | 23,691,098 | 23,998,683 | 24,394,266 | 24,573,832 | 24,860,269 | 25,135,106 | 25,510,913 | 25,677,484 |
| Industrial Therms | 3,551,036 | 3,620,224 | 3,708,481 | 3,778,992 | 3,843,777 | 3,900,977 | 3,966,307 | 4,028,992 | 4,127,934 | 4,167,988 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 68,739,879 | 69,824,578 | 71,220,361 | 72,598,224 | 74,271,820 | 75,320,154 | 76,699,126 | 78,077,600 | 79,821,195 | 80,862,350 |
| Daily Baseload Therms | 59,152 | 60,392 | 61,563 | 62,679 | 63,846 | 64,954 | 66,145 | 67,315 | 68,418 | 69,622 |
| Peak Day Therms | 748,476 | 763,561 | 778,447 | 793,469 | 807,992 | 823,016 | 837,719 | 852,719 | 867,877 | 882,664 |
| Therms Per Residential Customer | 740 | 737 | 737 | 737 | 740 | 737 | 737 | 737 | 740 | 737 |
| Therms Per Commercial Customer | 2,914 | 2,902 | 2,903 | 2,903 | 2,915 | 2,903 | 2,903 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,637 | 28,506 | 28,637 | 28,575 | 28,578 | 28,422 | 28,348 | 28,241 | 28,290 | 28,083 |
| Residential Customers | 56,760 | 58,085 | 59,429 | 60,788 | 62,158 | 63,543 | 64,940 | 66,350 | 67,775 | 69,213 |
| Commercial Customers | 7,946 | 8,054 | 8,161 | 8,267 | 8,368 | 8,466 | 8,565 | 8,659 | 8,752 | 8,843 |
| Industrial Customers | 124 | 127 | 130 | 132 | 135 | 137 | 140 | 143 | 146 | 148 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 64,832 | 66,267 | 67,721 | 69,187 | 70,662 | 72,148 | 73,645 | 75,153 | 76,673 | 78,205 |

| Pendleton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.14% | 0.91% | 2.13% | 1.76% | 1.69% | 1.37% | 1.31% | 1.83% | 2.20% | 1.03% |
| Residential Therms | 7,261,477 | 7,378,637 | 7,531,995 | 7,690,157 | 7,888,308 | 8,021,091 | 8,194,132 | 8,372,433 | 8,592,760 | 8,742,136 |
| Commercial Therms | 7,260,414 | 7,294,350 | 7,361,126 | 7,427,605 | 7,524,509 | 7,564,959 | 7,635,306 | 7,710,193 | 7,812,724 | 7,860,580 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 17,154,686 | 17,311,616 | 17,679,942 | 17,991,779 | 18,296,011 | 18,546,970 | 18,790,340 | 19,133,548 | 19,553,629 | 19,754,845 |
| Daily Baseload Therms | 17,532 | 17,740 | 18,286 | 18,651 | 18,842 | 19,213 | 19,409 | 19,794 | 20,172 | 19,716 |
| Peak Day Therms | 201,209 | 204,058 | 208,780 | 212,289 | 215,280 | 218,837 | 222,018 | 225,840 | 229,796 | 233,055 |
| Therms Per Residential Customer | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,646 | 3,631 | 3,632 | 3,632 | 3,646 | 3,631 | 3,631 | 3,631 | 3,645 | 3,631 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 12,836 | 13,100 | 13,372 | 13,654 | 13,945 | 14,244 | 14,552 | 14,867 | 15,192 | 15,525 |
| Commercial Customers | 1,991 | 2,009 | 2,027 | 2,045 | 2,064 | 2,083 | 2,103 | 2,123 | 2,143 | 2,165 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 14,867 | 15,149 | 15,441 | 15,741 | 16,051 | 16,371 | 16,698 | 17,036 | 17,381 | 17,736 |

| Eastern Oregon (Ontario) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.92% | 0.78% | 1.50% | 1.16% | 1.89% | 0.80% | 1.37% | 1.19% | 1.75% | 0.73% |
| Residential Therms | 4,239,553 | 4,244,982 | 4,269,318 | 4,294,282 | 4,339,472 | 4,344,138 | 4,369,523 | 4,395,850 | 4,442,272 | 4,447,428 |
| Commercial Therms | 4,086,173 | 4,088,752 | 4,109,115 | 4,130,440 | 4,169,974 | 4,171,051 | 4,192,346 | 4,213,738 | 4,253,301 | 4,254,578 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 11,144,083 | 11,230,692 | 11,399,523 | 11,531,395 | 11,749,773 | 11,843,506 | 12,005,945 | 12,148,348 | 12,360,891 | 12,450,529 |
| Daily Baseload Therms | 10,598 | 10,900 | 11,066 | 11,371 | 11,535 | 11,840 | 12,143 | 12,312 | 12,614 | 12,782 |
| Peak Day Therms | 126,618 | 127,832 | 129,738 | 130,926 | 132,855 | 134,735 | 135,962 | 137,877 | 139,085 | 140,999 |
| Therms Per Residential Customer | 571 | 569 | 569 | 569 | 572 | 570 | 570 | 570 | 573 | 571 |
| Therms Per Commercial Customer | 2,745 | 2,734 | 2,734 | 2,734 | 2,745 | 2,732 | 2,732 | 2,732 | 2,743 | 2,731 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 7,419 | 7,459 | 7,500 | 7,541 | 7,582 | 7,625 | 7,667 | 7,710 | 7,753 | 7,796 |
| Commercial Customers | 1,488 | 1,496 | 1,503 | 1,511 | 1,519 | 1,527 | 1,535 | 1,543 | 1,550 | 1,558 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,950 | 8,998 | 9,048 | 9,099 | 9,150 | 9,202 | 9,253 | 9,305 | 9,357 | 9,409 |

| Oregon | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.32% | 1.37% | 1.97% | 1.82% | 2.15% | 1.34% | 1.69% | 1.73% | 2.17% | 1.19% |
| Residential Therms | 53,512,210 | 54,432,518 | 55,601,157 | 56,784,051 | 58,240,619 | 59,189,637 | 60,415,268 | 61,660,848 | 63,196,442 | 64,185,505 |
| Commercial Therms | 34,503,312 | 34,757,619 | 35,161,340 | 35,556,728 | 36,088,749 | 36,309,842 | 36,687,922 | 37,059,037 | 37,576,938 | 37,792,642 |
| Industrial Therms | 6,604,659 | 6,758,281 | 7,118,861 | 7,362,151 | 7,569,768 | 7,792,684 | 7,973,755 | 8,221,143 | 8,543,867 | 8,671,110 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 97,038,648 | 98,366,886 | 100,299,826 | 102,121,398 | 104,317,604 | 105,710,630 | 107,495,412 | 109,359,496 | 111,735,715 | 113,067,725 |
| Daily Baseload Therms | 86,924 | 88,666 | 90,544 | 92,322 | 93,839 | 95,614 | 97,296 | 99,013 | 100,790 | 102,374 |
| Peak Day Therms | 1,076,303 | 1,095,451 | 1,116,964 | 1,136,684 | 1,156,128 | 1,176,588 | 1,195,699 | 1,216,436 | 1,236,758 | 1,256,718 |
| Therms Per Residential Customer | 11,745 | 11,696 | 11,695 | 11,695 | 11,746 | 11,692 | 11,692 | 11,693 | 11,744 | 11,691 |
| Therms Per Commercial Customer | 66,411 | 66,156 | 66,190 | 66,161 | 66,419 | 66,169 | 66,169 | 66,137 | 66,413 | 66,168 |
| Therms Per Industrial Customer | 342,546 | 341,344 | 350,674 | 353,089 | 355,916 | 356,415 | 357,400 | 359,380 | 363,185 | 361,978 |
| Residential Customers | 77,016 | 78,644 | 80,301 | 81,982 | 83,685 | 85,412 | 87,159 | 88,928 | 90,719 | 92,534 |
| Commercial Customers | 11,426 | 11,558 | 11,691 | 11,823 | 11,951 | 12,077 | 12,202 | 12,325 | 12,445 | 12,565 |
| Industrial Customers | 203 | 208 | 213 | 218 | 222 | 228 | 232 | 238 | 243 | 248 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 88,648 | 90,413 | 92,210 | 94,027 | 95,862 | 97,720 | 99,597 | 101,494 | 103,412 | 105,351 |

| Washington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.85% | 1.12% | 1.55% | 1.53% | 1.91% | 1.08% | 1.48% | 1.51% | 1.92% | 1.10% |
| Residential Therms | 143,189,525 | 144,784,022 | 146,973,917 | 149,211,555 | 152,109,824 | 153,766,906 | 156,104,918 | 158,491,908 | 161,580,471 | 163,339,064 |
| Commercial Therms | 108,674,559 | 109,869,751 | 111,498,629 | 113,193,733 | 115,371,131 | 116,626,698 | 118,388,272 | 120,198,983 | 122,518,412 | 123,898,063 |
| Industrial Therms | 14,300,285 | 14,524,551 | 14,942,231 | 15,251,671 | 15,559,267 | 15,756,499 | 15,951,773 | 16,203,590 | 16,536,080 | 16,740,234 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 269,997,677 | 273,011,632 | 277,248,085 | 281,490,267 | 286,873,531 | 289,983,412 | 294,278,271 | 298,727,790 | 304,468,271 | 307,810,669 |
| Daily Baseload Therms | 253,016 | 256,752 | 260,969 | 265,014 | 268,860 | 272,769 | 276,609 | 280,678 | 284,762 | 289,001 |
| Peak Day Therms | 2,807,412 | 2,850,298 | 2,894,382 | 2,938,589 | 2,984,143 | 3,030,286 | 3,076,486 | 3,123,176 | 3,171,366 | 3,219,629 |
| Therms Per Residential Customer | 36,130 | 35,886 | 35,902 | 35,885 | 36,044 | 35,882 | 35,870 | 35,919 | 36,009 | 35,900 |
| Therms Per Commercial Customer | 192,506 | 191,995 | 191,859 | 191,076 | 192,843 | 191,747 | 191,859 | 191,995 | 192,544 | 191,870 |
| Therms Per Industrial Customer | 775,786 | 773,963 | 780,519 | 782,376 | 784,932 | 781,863 | 781,988 | 782,984 | 785,859 | 782,834 |
| Residential Customers | 216,915 | 220,245 | 223,624 | 227,061 | 230,548 | 234,091 | 237,684 | 241,333 | 245,032 | 248,784 |
| Commercial Customers | 30,180 | 30,634 | 31,097 | 31,569 | 32,052 | 32,545 | 33,045 | 33,555 | 34,075 | 34,606 |
| Industrial Customers | 581 | 594 | 606 | 618 | 630 | 643 | 652 | 663 | 676 | 688 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 247,686 | 251,482 | 255,337 | 259,258 | 263,240 | 267,288 | 271,391 | 275,561 | 279,793 | 284,088 |

| System | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.97% | 1.18% | 1.66% | 1.61% | 1.98% | 1.15% | 1.54% | 1.57% | 1.99% | 1.12% |
| Residential Therms | 196,701,735 | 199,216,540 | 202,575,074 | 205,995,606 | 210,350,444 | 212,956,543 | 216,520,186 | 220,152,756 | 224,776,913 | 227,524,569 |
| Commercial Therms | 143,177,871 | 144,627,371 | 146,659,969 | 148,750,461 | 151,459,880 | 152,936,540 | 155,076,193 | 157,258,020 | 160,095,350 | 161,690,705 |
| Industrial Therms | 20,904,944 | 21,282,832 | 22,061,092 | 22,613,822 | 23,129,035 | 23,549,183 | 23,925,528 | 24,424,734 | 25,079,947 | 25,411,344 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 367,036,325 | 371,378,518 | 377,547,911 | 383,611,665 | 391,191,135 | 395,694,041 | 401,773,683 | 408,087,286 | 416,203,986 | 420,878,394 |
| Daily Baseload Therms | 339,940 | 345,419 | 351,513 | 357,336 | 362,700 | 368,384 | 373,906 | 379,691 | 385,551 | 391,375 |
| Peak Day Therms | 3,883,714 | 3,945,749 | 4,011,346 | 4,075,273 | 4,140,271 | 4,206,873 | 4,272,186 | 4,339,613 | 4,408,123 | 4,476,347 |
| Therms Per Residential Customer | 47,875 | 47,581 | 47,597 | 47,580 | 47,791 | 47,575 | 47,562 | 47,612 | 47,753 | 47,590 |
| Therms Per Commercial Customer | 258,917 | 258,151 | 258,049 | 257,237 | 259,262 | 257,916 | 258,027 | 258,133 | 258,957 | 258,039 |
| Therms Per Industrial Customer | 1,118,332 | 1,115,307 | 1,131,193 | 1,135,465 | 1,140,848 | 1,138,278 | 1,139,388 | 1,142,364 | 1,149,044 | 1,144,812 |
| Residential Customers | 293,930 | 298,888 | 303,926 | 309,043 | 314,233 | 319,503 | 324,843 | 330,260 | 335,751 | 341,318 |
| Commercial Customers | 41,606 | 42,192 | 42,788 | 43,392 | 44,003 | 44,621 | 45,247 | 45,880 | 46,521 | 47,171 |
| Industrial Customers | 784 | 801 | 819 | 837 | 852 | 870 | 884 | 901 | 919 | 935 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 336,334 | 341,896 | 347,547 | 353,285 | 359,103 | 365,009 | 370,988 | 377,055 | 383,205 | 389,438 |

| Athena | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.11% | 0.80% | 0.08% | 0.70% | 0.80% | 1.44% | 0.63% | 1.34% | 1.16% |
| Residential Therms | 283,575 | 284,029 | 286,755 | 287,697 | 290,606 | 293,935 | 299,033 | 301,916 | 306,499 | 311,552 |
| Commercial Therms | 130,784 | 130,784 | 131,385 | 130,784 | 130,784 | 130,810 | 131,817 | 131,658 | 132,896 | 132,922 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 414,360 | 414,814 | 418,140 | 418,481 | 421,391 | 424,745 | 430,850 | 433,574 | 439,396 | 444,475 |
| Daily Baseload Therms | 176 | 177 | 177 | 178 | 180 | 182 | 184 | 186 | 188 | 191 |
| Peak Day Therms | 5,575 | 5,632 | 5,718 | 5,782 | 5,854 | 5,954 | 6,033 | 6,140 | 6,247 | 6,333 |
| Therms Per Residential Customer | 577 | 577 | 579 | 576 | 577 | 576 | 579 | 576 | 576 | 576 |
| Therms Per Commercial Customer | 2,118 | 2,118 | 2,128 | 2,118 | 2,118 | 2,116 | 2,126 | 2,118 | 2,118 | 2,115 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 492 | 492 | 495 | 499 | 504 | 510 | 517 | 524 | 532 | 541 |
| Commercial Customers | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 63 | 63 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 553 | 554 | 557 | 561 | 566 | 572 | 579 | 586 | 595 | 604 |

| Baker | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.63% | 0.03% | -0.66% | -0.15% | -0.05% | 0.43% | -0.38% | 0.11% | 0.14% |
| Residential Therms | 2,016,575 | 2,009,648 | 2,017,018 | 2,009,271 | 2,012,322 | 2,017,267 | 2,032,634 | 2,030,970 | 2,039,350 | 2,048,377 |
| Commercial Therms | 1,424,575 | 1,409,614 | 1,403,089 | 1,388,180 | 1,379,895 | 1,373,058 | 1,372,389 | 1,361,234 | 1,356,579 | 1,352,274 |
| Industrial Therms | 55,823 | 55,823 | 56,009 | 55,823 | 55,811 | 55,811 | 56,009 | 55,823 | 55,823 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,496,973 | 3,475,084 | 3,476,116 | 3,453,274 | 3,448,027 | 3,446,136 | 3,461,033 | 3,448,026 | 3,451,752 | 3,456,473 |
| Daily Baseload Therms | 1,938 | 1,924 | 1,914 | 1,907 | 1,902 | 1,899 | 1,897 | 1,895 | 1,896 | 1,894 |
| Peak Day Therms | 39,910 | 40,145 | 40,380 | 40,622 | 40,864 | 41,105 | 41,354 | 41,603 | 41,859 | 42,107 |
| Therms Per Residential Customer | 635 | 635 | 637 | 635 | 634 | 634 | 637 | 634 | 634 | 634 |
| Therms Per Commercial Customer | 2,995 | 2,995 | 3,007 | 2,995 | 2,995 | 2,995 | 3,007 | 2,994 | 2,995 | 2,995 |
| Therms Per Industrial Customer | 27,911 | 27,911 | 28,005 | 27,911 | 27,905 | 27,905 | 28,005 | 27,911 | 27,911 | 27,911 |
| Residential Customers | 3,177 | 3,167 | 3,165 | 3,167 | 3,172 | 3,180 | 3,190 | 3,201 | 3,215 | 3,229 |
| Commercial Customers | 476 | 471 | 467 | 464 | 461 | 459 | 456 | 455 | 453 | 452 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,655 | 3,639 | 3,633 | 3,632 | 3,635 | 3,640 | 3,648 | 3,658 | 3,670 | 3,683 |

| Umatilla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 5.64% | 5.82% | 4.94% | 0.31% | 5.19% | 5.29% | -0.01% | 4.71% | 4.52% |
| Residential Therms | 285,647 | 286,359 | 289,386 | 290,360 | 293,218 | 296,489 | 301,586 | 304,183 | 308,596 | 313,193 |
| Commercial Therms | 491,856 | 492,115 | 494,840 | 495,906 | 498,741 | 503,756 | 509,787 | 510,816 | 515,107 | 519,584 |
| Industrial Therms | 201,506 | 288,702 | 378,944 | 463,093 | 463,027 | 550,217 | 641,362 | 637,484 | 724,680 | 811,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 1,562,263 | 1,650,429 | 1,746,425 | 1,832,613 | 1,838,239 | 1,933,716 | 2,035,989 | 2,035,736 | 2,131,636 | 2,227,906 |
| Daily Baseload Therms | 2,403 | 2,574 | 2,746 | 2,927 | 2,934 | 3,111 | 3,289 | 3,301 | 3,479 | 3,658 |
| Peak Day Therms | 14,490 | 15,281 | 16,045 | 16,843 | 16,964 | 17,734 | 18,538 | 18,640 | 19,451 | 20,227 |
| Therms Per Residential Customer | 277 | 277 | 279 | 277 | 277 | 277 | 278 | 277 | 277 | 277 |
| Therms Per Commercial Customer | 3,203 | 3,202 | 3,215 | 3,201 | 3,200 | 3,202 | 3,213 | 3,201 | 3,201 | 3,201 |
| Therms Per Industrial Customer | 22,390 | 28,870 | 34,449 | 38,591 | 38,586 | 42,324 | 45,812 | 45,535 | 48,312 | 50,742 |
| Residential Customers | 1,030 | 1,033 | 1,039 | 1,048 | 1,058 | 1,070 | 1,084 | 1,098 | 1,114 | 1,131 |
| Commercial Customers | 154 | 154 | 154 | 155 | 156 | 157 | 159 | 160 | 161 | 162 |
| Industrial Customers | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 14 | 15 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,194 | 1,198 | 1,205 | 1,216 | 1,227 | 1,241 | 1,257 | 1,273 | 1,291 | 1,310 |

| Chemult | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.86% | 0.12% | -1.10% | -0.29% | -0.71% | 0.15% | -0.33% | 2.04% | -0.51% |
| Residential Therms | 10,095 | 9,702 | 9,615 | 9,257 | 9,128 | 8,811 | 8,735 | 8,366 | 8,314 | 8,083 |
| Commercial Therms | 35,598 | 35,598 | 35,740 | 35,598 | 35,598 | 35,598 | 35,740 | 35,960 | 36,915 | 36,915 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 45,694 | 45,300 | 45,354 | 44,855 | 44,726 | 44,410 | 44,475 | 44,326 | 45,230 | 44,999 |
| Daily Baseload Therms | 42 | 42 | 42 | 42 | 42 | 41 | 41 | 41 | 43 | 43 |
| Peak Day Therms | 427 | 423 | 423 | 423 | 439 | 439 | 436 | 436 | 436 | 436 |
| Therms Per Residential Customer | 447 | 448 | 449 | 448 | 447 | 448 | 448 | 448 | 447 | 449 |
| Therms Per Commercial Customer | 1,874 | 1,874 | 1,881 | 1,874 | 1,874 | 1,874 | 1,881 | 1,876 | 1,861 | 1,861 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 23 | 22 | 21 | 21 | 20 | 20 | 20 | 19 | 19 | 18 |
| Commercial Customers | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 42 | 41 | 40 | 40 | 39 | 39 | 39 | 38 | 38 | 38 |

| Gilchrist | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -1.07% | -0.11% | -0.70% | -0.99% | -0.92% | -0.50% | -1.35% | -0.86% | -0.87% |
| Residential Therms | 87,839 | 85,203 | 83,323 | 80,910 | 78,947 | 77,158 | 75,639 | 73,591 | 71,958 | 70,317 |
| Commercial Therms | 113,413 | 113,892 | 115,549 | 116,563 | 116,563 | 116,563 | 117,109 | 116,563 | 116,563 | 116,563 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 201,251 | 199,094 | 198,872 | 197,473 | 195,510 | 193,721 | 192,748 | 190,154 | 188,521 | 186,880 |
| Daily Baseload Therms | 124 | 122 | 121 | 121 | 120 | 119 | 118 | 117 | 116 | 115 |
| Peak Day Therms | 2,021 | 2,011 | 2,007 | 2,026 | 2,021 | 2,012 | 2,007 | 1,998 | 1,988 | 1,984 |
| Therms Per Residential Customer | 513 | 513 | 515 | 513 | 513 | 513 | 515 | 513 | 513 | 513 |
| Therms Per Commercial Customer | 3,150 | 3,156 | 3,180 | 3,150 | 3,150 | 3,150 | 3,165 | 3,150 | 3,150 | 3,150 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 171 | 166 | 162 | 158 | 154 | 150 | 147 | 143 | 140 | 137 |
| Commercial Customers | 36 | 36 | 36 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 207 | 202 | 198 | 195 | 191 | 187 | 184 | 180 | 177 | 174 |

| Hermiston | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.10% | 0.59% | -0.05% | 0.50% | 0.64% | 1.16% | 0.40% | 0.90% | 0.96% |
| Residential Therms | 2,281,725 | 2,285,573 | 2,307,986 | 2,315,797 | 2,338,291 | 2,365,348 | 2,406,872 | 2,430,093 | 2,467,003 | 2,507,020 |
| Commercial Therms | 2,868,470 | 2,859,100 | 2,867,676 | 2,857,758 | 2,862,106 | 2,869,552 | 2,890,574 | 2,890,013 | 2,903,093 | 2,916,699 |
| Industrial Therms | 223,529 | 223,529 | 224,354 | 223,529 | 223,499 | 223,499 | 224,354 | 223,529 | 223,529 | 223,529 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,373,723 | 5,368,201 | 5,400,016 | 5,397,083 | 5,423,896 | 5,458,399 | 5,521,801 | 5,543,635 | 5,593,625 | 5,647,248 |
| Daily Baseload Therms | 5,254 | 5,249 | 5,254 | 5,273 | 5,296 | 5,328 | 5,361 | 5,402 | 5,445 | 5,496 |
| Peak Day Therms | 65,045 | 65,681 | 66,395 | 67,186 | 67,962 | 68,808 | 69,638 | 70,539 | 71,508 | 72,463 |
| Therms Per Residential Customer | 646 | 645 | 648 | 645 | 645 | 645 | 648 | 645 | 645 | 645 |
| Therms Per Commercial Customer | 4,134 | 4,134 | 4,151 | 4,134 | 4,133 | 4,133 | 4,151 | 4,133 | 4,133 | 4,133 |
| Therms Per Industrial Customer | 27,941 | 27,941 | 28,044 | 27,941 | 27,937 | 27,937 | 28,044 | 27,941 | 27,941 | 27,941 |
| Residential Customers | 3,535 | 3,541 | 3,560 | 3,589 | 3,625 | 3,667 | 3,715 | 3,768 | 3,826 | 3,888 |
| Commercial Customers | 694 | 692 | 691 | 691 | 693 | 694 | 696 | 699 | 702 | 706 |
| Industrial Customers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,236 | 4,241 | 4,259 | 4,288 | 4,325 | 4,369 | 4,419 | 4,475 | 4,536 | 4,602 |

| Huntington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -1.56% | 0.50% | -0.50% | 0.07% | 0.12% | 0.84% | -0.30% | 0.28% | 0.24% |
| Residential Therms | 50,886 | 50,628 | 50,876 | 50,628 | 50,685 | 50,775 | 51,286 | 51,189 | 51,411 | 51,598 |
| Commercial Therms | 27,902 | 26,931 | 27,072 | 26,931 | 26,928 | 26,928 | 27,072 | 26,931 | 26,931 | 26,931 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 78,788 | 77,559 | 77,948 | 77,559 | 77,613 | 77,704 | 78,358 | 78,121 | 78,343 | 78,529 |
| Daily Baseload Therms | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Peak Day Therms | 1,183 | 1,189 | 1,201 | 1,207 | 1,213 | 1,219 | 1,225 | 1,230 | 1,242 | 1,248 |
| Therms Per Residential Customer | 410 | 409 | 411 | 409 | 409 | 409 | 411 | 409 | 409 | 409 |
| Therms Per Commercial Customer | 1,958 | 1,924 | 1,934 | 1,924 | 1,923 | 1,923 | 1,934 | 1,924 | 1,924 | 1,924 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 124 | 124 | 124 | 124 | 124 | 124 | 125 | 125 | 126 | 126 |
| Commercial Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 139 | 138 | 138 | 138 | 138 | 138 | 139 | 139 | 140 | 140 |

| La Pine | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.40% | 2.17% | 1.10% | 1.52% | 1.80% | 2.04% | 1.01% | 1.74% | 1.64% |
| Residential Therms | 126,665 | 130,017 | 133,994 | 136,852 | 140,310 | 143,958 | 148,409 | 151,427 | 155,177 | 158,977 |
| Commercial Therms | 351,129 | 354,462 | 361,012 | 363,589 | 367,752 | 373,266 | 379,383 | 381,683 | 387,198 | 392,285 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 477,793 | 484,479 | 495,006 | 500,442 | 508,062 | 517,224 | 527,792 | 533,110 | 542,375 | 551,262 |
| Daily Baseload Therms | 391 | 397 | 404 | 411 | 416 | 424 | 431 | 436 | 444 | 452 |
| Peak Day Therms | 5,288 | 5,386 | 5,477 | 5,604 | 5,702 | 5,800 | 5,898 | 6,024 | 6,122 | 6,227 |
| Therms Per Residential Customer | 628 | 628 | 631 | 628 | 628 | 628 | 631 | 628 | 628 | 628 |
| Therms Per Commercial Customer | 2,768 | 2,767 | 2,781 | 2,768 | 2,767 | 2,767 | 2,781 | 2,767 | 2,767 | 2,769 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 202 | 207 | 212 | 218 | 223 | 229 | 235 | 241 | 247 | 253 |
| Commercial Customers | 127 | 128 | 130 | 131 | 133 | 135 | 136 | 138 | 140 | 142 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 328 | 335 | 342 | 349 | 356 | 364 | 372 | 379 | 387 | 395 |

| Madras | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.73% | 1.39% | 0.56% | 1.10% | 1.21% | 2.14% | 2.56% | 1.46% | 1.50% |
| Residential Therms | 623,543 | 638,305 | 659,092 | 675,526 | 696,907 | 720,083 | 748,892 | 772,139 | 800,703 | 830,838 |
| Commercial Therms | 1,077,373 | 1,082,243 | 1,094,859 | 1,098,231 | 1,107,544 | 1,118,239 | 1,136,867 | 1,145,328 | 1,160,247 | 1,175,244 |
| Industrial Therms | 979,310 | 979,310 | 983,798 | 979,310 | 979,133 | 979,133 | 992,484 | 1,034,879 | 1,034,879 | 1,034,879 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 2,701,162 | 2,720,795 | 2,758,687 | 2,774,003 | 2,804,520 | 2,838,391 | 2,899,180 | 2,973,283 | 3,016,767 | 3,061,898 |
| Daily Baseload Therms | 2,149 | 2,162 | 2,183 | 2,204 | 2,228 | 2,255 | 2,287 | 2,354 | 2,388 | 2,422 |
| Peak Day Therms | 30,473 | 31,447 | 31,860 | 32,260 | 32,703 | 33,171 | 33,663 | 34,167 | 34,727 | 35,299 |
| Therms Per Residential Customer | 538 | 538 | 540 | 538 | 537 | 537 | 540 | 537 | 537 | 537 |
| Therms Per Commercial Customer | 2,944 | 2,944 | 2,956 | 2,943 | 2,942 | 2,941 | 2,956 | 2,942 | 2,943 | 2,942 |
| Therms Per Industrial Customer | 54,406 | 54,406 | 54,655 | 54,406 | 54,396 | 54,396 | 54,884 | 54,467 | 54,467 | 54,467 |
| Residential Customers | 1,159 | 1,187 | 1,220 | 1,257 | 1,297 | 1,340 | 1,387 | 1,437 | 1,491 | 1,547 |
| Commercial Customers | 366 | 368 | 370 | 373 | 376 | 380 | 385 | 389 | 394 | 399 |
| Industrial Customers | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 19 | 19 | 19 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,544 | 1,573 | 1,609 | 1,649 | 1,692 | 1,739 | 1,791 | 1,847 | 1,905 | 1,967 |

| Milton-Freewater | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.15% | 0.54% | -0.21% | 0.20% | 0.47% | 1.17% | 0.03% | 0.75% | 0.74% |
| Residential Therms | 95,527 | 95,763 | 96,710 | 97,058 | 98,006 | 99,015 | 100,882 | 101,744 | 103,420 | 105,018 |
| Commercial Therms | 277,206 | 276,359 | 277,449 | 276,364 | 276,238 | 277,097 | 279,831 | 279,199 | 280,590 | 282,044 |
| Industrial Therms | 27,421 | 27,419 | 27,543 | 27,419 | 27,407 | 27,409 | 27,543 | 27,419 | 27,419 | 27,419 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 400,154 | 399,540 | 401,703 | 400,840 | 401,651 | 403,520 | 408,257 | 408,362 | 411,428 | 414,480 |
| Daily Baseload Therms | 383 | 380 | 380 | 380 | 381 | 385 | 385 | 386 | 390 | 390 |
| Peak Day Therms | 5,122 | 5,181 | 5,199 | 5,257 | 5,321 | 5,379 | 5,443 | 5,473 | 5,538 | 5,602 |
| Therms Per Residential Customer | 434 | 434 | 436 | 434 | 434 | 433 | 436 | 434 | 434 | 434 |
| Therms Per Commercial Customer | 2,841 | 2,839 | 2,851 | 2,839 | 2,838 | 2,840 | 2,851 | 2,839 | 2,841 | 2,839 |
| Therms Per Industrial Customer | 4,986 | 4,985 | 5,008 | 4,985 | 4,983 | 4,983 | 5,008 | 4,985 | 4,985 | 4,985 |
| Residential Customers | 220 | 221 | 222 | 224 | 226 | 228 | 231 | 235 | 238 | 242 |
| Commercial Customers | 98 | 97 | 97 | 97 | 97 | 98 | 98 | 98 | 99 | 99 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 323 | 323 | 325 | 326 | 329 | 332 | 335 | 339 | 343 | 347 |

| Mission Tap | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.04% | 0.50% | -0.17% | 0.24% | 0.30% | 1.00% | 0.71% | 0.72% | 0.82% |
| Residential Therms | 115,511 | 115,710 | 116,704 | 117,211 | 118,320 | 119,687 | 121,754 | 122,943 | 124,809 | 126,879 |
| Commercial Therms | 342,747 | 342,747 | 344,055 | 342,747 | 342,747 | 342,747 | 345,299 | 347,404 | 348,912 | 350,718 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 458,258 | 458,457 | 460,760 | 459,958 | 461,067 | 462,434 | 467,053 | 470,347 | 473,722 | 477,597 |
| Daily Baseload Therms | 443 | 443 | 444 | 445 | 446 | 447 | 449 | 450 | 460 | 462 |
| Peak Day Therms | 5,449 | 5,559 | 5,586 | 5,612 | 5,729 | 5,756 | 5,783 | 5,906 | 5,940 | 6,063 |
| Therms Per Residential Customer | 552 | 552 | 554 | 552 | 551 | 551 | 554 | 551 | 551 | 551 |
| Therms Per Commercial Customer | 7,971 | 7,971 | 8,001 | 7,971 | 7,971 | 7,971 | 8,015 | 7,986 | 7,975 | 7,971 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 209 | 210 | 211 | 213 | 215 | 217 | 220 | 223 | 227 | 230 |
| Commercial Customers | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 44 | 44 | 44 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 252 | 253 | 254 | 256 | 258 | 260 | 263 | 267 | 270 | 274 |

| Nyssa-Ontario | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.01% | 2.21% | 0.79% | 1.78% | 1.28% | 2.21% | 1.02% | 1.98% | 1.31% |
| Residential Therms | 1,770,570 | 1,756,227 | 1,753,357 | 1,734,767 | 1,725,830 | 1,718,315 | 1,720,378 | 1,705,760 | 1,700,384 | 1,695,635 |
| Commercial Therms | 2,299,209 | 2,286,124 | 2,288,403 | 2,274,324 | 2,271,470 | 2,271,009 | 2,282,517 | 2,274,933 | 2,278,246 | 2,282,637 |
| Industrial Therms | 518,733 | 604,332 | 734,071 | 814,046 | 932,569 | 1,018,883 | 1,142,011 | 1,229,108 | 1,357,621 | 1,443,188 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 5,776,746 | 5,834,917 | 5,964,066 | 6,011,371 | 6,118,103 | 6,196,442 | 6,333,140 | 6,398,035 | 6,524,485 | 6,609,694 |
| Daily Baseload Therms | 6,146 | 6,404 | 6,533 | 6,799 | 6,931 | 7,204 | 7,342 | 7,618 | 7,756 | 8,035 |
| Peak Day Therms | 69,021 | 69,860 | 71,381 | 72,232 | 73,753 | 74,642 | 76,200 | 77,058 | 78,622 | 79,518 |
| Therms Per Residential Customer | 512 | 512 | 514 | 512 | 512 | 512 | 514 | 512 | 512 | 512 |
| Therms Per Commercial Customer | 2,613 | 2,613 | 2,625 | 2,613 | 2,612 | 2,613 | 2,624 | 2,613 | 2,613 | 2,613 |
| Therms Per Industrial Customer | 21,318 | 23,545 | 26,856 | 28,397 | 30,829 | 32,260 | 34,432 | 35,540 | 37,366 | 38,315 |
| Residential Customers | 3,460 | 3,433 | 3,410 | 3,391 | 3,374 | 3,359 | 3,345 | 3,333 | 3,323 | 3,313 |
| Commercial Customers | 880 | 875 | 872 | 870 | 870 | 869 | 870 | 871 | 872 | 874 |
| Industrial Customers | 24 | 26 | 27 | 29 | 30 | 32 | 33 | 35 | 36 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,366 | 4,334 | 4,310 | 4,291 | 4,274 | 4,261 | 4,249 | 4,240 | 4,232 | 4,226 |

| Pendleton | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.06% | 0.63% | -0.04% | 0.51% | 0.63% | 1.15% | 0.39% | 0.89% | 0.93% |
| Residential Therms | 2,709,492 | 2,713,971 | 2,740,618 | 2,749,949 | 2,776,807 | 2,808,907 | 2,857,991 | 2,885,516 | 2,929,473 | 2,977,165 |
| Commercial Therms | 2,409,472 | 2,401,160 | 2,409,143 | 2,400,535 | 2,404,377 | 2,410,620 | 2,428,497 | 2,428,046 | 2,439,184 | 2,449,772 |
| Industrial Therms | 265,367 | 265,367 | 268,331 | 265,367 | 265,249 | 265,249 | 268,331 | 265,367 | 265,367 | 265,367 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 6,010,373 | 6,006,540 | 6,044,134 | 6,041,894 | 6,072,475 | 6,110,818 | 6,180,861 | 6,204,972 | 6,260,067 | 6,318,347 |
| Daily Baseload Therms | 5,363 | 5,361 | 5,370 | 5,383 | 5,406 | 5,432 | 5,459 | 5,493 | 5,532 | 5,570 |
| Peak Day Therms | 75,716 | 76,484 | 77,295 | 78,176 | 79,086 | 80,040 | 81,023 | 82,043 | 83,138 | 84,263 |
| Therms Per Residential Customer | 571 | 571 | 574 | 571 | 571 | 571 | 573 | 571 | 571 | 571 |
| Therms Per Commercial Customer | 3,240 | 3,239 | 3,252 | 3,239 | 3,238 | 3,238 | 3,252 | 3,238 | 3,238 | 3,238 |
| Therms Per Industrial Customer | 37,910 | 37,910 | 38,333 | 37,910 | 37,893 | 37,893 | 38,333 | 37,910 | 37,910 | 37,910 |
| Residential Customers | 4,743 | 4,751 | 4,777 | 4,816 | 4,864 | 4,920 | 4,984 | 5,055 | 5,133 | 5,217 |
| Commercial Customers | 744 | 741 | 741 | 741 | 743 | 744 | 747 | 750 | 753 | 757 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 5,495 | 5,501 | 5,526 | 5,565 | 5,614 | 5,673 | 5,739 | 5,813 | 5,894 | 5,982 |

| Prineville | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.88% | 1.57% | 0.79% | 1.31% | 1.42% | 1.91% | 0.98% | 1.46% | 1.47% |
| Residential Therms | 1,189,679 | 1,194,493 | 1,208,453 | 1,213,018 | 1,224,311 | 1,237,011 | 1,256,792 | 1,264,742 | 1,279,248 | 1,294,249 |
| Commercial Therms | 1,423,792 | 1,429,182 | 1,445,498 | 1,451,618 | 1,465,946 | 1,483,112 | 1,507,103 | 1,518,299 | 1,537,149 | 1,556,406 |
| Industrial Therms | 620,708 | 638,964 | 660,057 | 675,476 | 693,499 | 711,749 | 733,396 | 748,501 | 766,757 | 785,013 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,234,179 | 3,262,639 | 3,314,008 | 3,340,112 | 3,383,756 | 3,431,872 | 3,497,291 | 3,531,542 | 3,583,154 | 3,635,668 |
| Daily Baseload Therms | 2,434 | 2,467 | 2,501 | 2,540 | 2,580 | 2,623 | 2,666 | 2,710 | 2,755 | 2,799 |
| Peak Day Therms | 36,403 | 37,100 | 37,825 | 38,522 | 39,248 | 39,979 | 40,676 | 41,402 | 42,134 | 42,824 |
| Therms Per Residential Customer | 512 | 512 | 514 | 512 | 511 | 511 | 514 | 511 | 511 | 511 |
| Therms Per Commercial Customer | 2,898 | 2,897 | 2,910 | 2,896 | 2,896 | 2,896 | 2,909 | 2,896 | 2,896 | 2,896 |
| Therms Per Industrial Customer | 18,256 | 18,256 | 18,335 | 18,256 | 18,250 | 18,250 | 18,335 | 18,256 | 18,256 | 18,256 |
| Residential Customers | 2,325 | 2,335 | 2,351 | 2,371 | 2,394 | 2,419 | 2,446 | 2,473 | 2,502 | 2,531 |
| Commercial Customers | 491 | 493 | 497 | 501 | 506 | 512 | 518 | 524 | 531 | 537 |
| Industrial Customers | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,850 | 2,863 | 2,884 | 2,909 | 2,939 | 2,970 | 3,004 | 3,039 | 3,075 | 3,112 |

| Redmond | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.39% | 1.91% | 1.31% | 1.70% | 1.84% | 2.39% | 1.46% | 1.87% | 1.92% |
| Residential Therms | 4,162,488 | 4,271,357 | 4,402,512 | 4,495,653 | 4,610,328 | 4,727,304 | 4,869,638 | 4,969,027 | 5,092,287 | 5,217,512 |
| Commercial Therms | 3,275,044 | 3,308,453 | 3,361,790 | 3,387,946 | 3,430,030 | 3,473,112 | 3,534,118 | 3,563,668 | 3,606,735 | 3,650,108 |
| Industrial Therms | 444,489 | 412,112 | 380,431 | 368,053 | 351,462 | 346,200 | 347,521 | 346,262 | 346,262 | 351,524 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 7,882,022 | 7,991,921 | 8,144,733 | 8,251,651 | 8,391,819 | 8,546,616 | 8,751,277 | 8,878,958 | 9,045,284 | 9,219,143 |
| Daily Baseload Therms | 6,461 | 6,493 | 6,532 | 6,645 | 6,761 | 6,879 | 6,998 | 7,124 | 7,246 | 7,369 |
| Peak Day Therms | 98,785 | 101,153 | 103,190 | 105,643 | 107,732 | 110,164 | 112,313 | 114,823 | 117,297 | 119,473 |
| Therms Per Residential Customer | 623 | 623 | 626 | 623 | 623 | 623 | 626 | 623 | 623 | 623 |
| Therms Per Commercial Customer | 2,848 | 2,848 | 2,861 | 2,848 | 2,848 | 2,848 | 2,861 | 2,848 | 2,848 | 2,848 |
| Therms Per Industrial Customer | 39,510 | 39,563 | 39,697 | 39,434 | 39,416 | 39,566 | 39,717 | 39,573 | 39,573 | 39,423 |
| Residential Customers | 6,681 | 6,856 | 7,035 | 7,217 | 7,402 | 7,590 | 7,783 | 7,978 | 8,176 | 8,377 |
| Commercial Customers | 1,150 | 1,162 | 1,175 | 1,190 | 1,205 | 1,220 | 1,235 | 1,251 | 1,267 | 1,282 |
| Industrial Customers | 11 | 10 | 10 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 7,842 | 8,028 | 8,220 | 8,416 | 8,615 | 8,819 | 9,027 | 9,238 | 9,451 | 9,668 |

| Stanfield | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.14% | 0.84% | 0.08% | 0.73% | 0.76% | 1.82% | 0.73% | 1.21% | 1.24% |
| Residential Therms | 148,946 | 149,176 | 150,677 | 151,167 | 152,749 | 154,407 | 157,137 | 158,634 | 161,095 | 163,752 |
| Commercial Therms | 65,858 | 65,332 | 65,638 | 65,332 | 65,332 | 65,332 | 66,598 | 66,742 | 67,002 | 67,181 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 214,804 | 214,507 | 216,315 | 216,498 | 218,081 | 219,739 | 223,735 | 225,376 | 228,096 | 230,933 |
| Daily Baseload Therms | 136 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 145 | 147 |
| Peak Day Therms | 2,930 | 2,985 | 3,017 | 3,055 | 3,094 | 3,155 | 3,193 | 3,238 | 3,306 | 3,356 |
| Therms Per Residential Customer | 493 | 492 | 495 | 492 | 492 | 492 | 494 | 492 | 492 | 492 |
| Therms Per Commercial Customer | 1,846 | 1,840 | 1,849 | 1,840 | 1,840 | 1,840 | 1,859 | 1,845 | 1,844 | 1,841 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 302 | 303 | 305 | 307 | 310 | 314 | 318 | 322 | 327 | 333 |
| Commercial Customers | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 37 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 338 | 339 | 340 | 343 | 346 | 349 | 354 | 359 | 364 | 369 |

| Stearns (Sunriver) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.25% | 2.70% | 1.84% | 2.28% | 2.26% | 2.66% | 1.80% | 2.20% | 2.18% |
| Residential Therms | 3,423,262 | 3,513,408 | 3,621,355 | 3,699,201 | 3,794,729 | 3,891,810 | 4,007,962 | 4,090,882 | 4,192,906 | 4,296,364 |
| Commercial Therms | 1,059,192 | 1,070,611 | 1,087,164 | 1,096,586 | 1,110,869 | 1,125,112 | 1,143,155 | 1,153,555 | 1,167,797 | 1,182,038 |
| Industrial Therms | 30,844 | 30,844 | 30,938 | 30,844 | 30,844 | 30,844 | 30,938 | 30,844 | 30,844 | 30,844 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,513,298 | 4,614,863 | 4,739,458 | 4,826,631 | 4,936,442 | 5,047,766 | 5,182,056 | 5,275,281 | 5,391,546 | 5,509,247 |
| Daily Baseload Therms | 4,892 | 4,993 | 5,087 | 5,191 | 5,296 | 5,403 | 5,511 | 5,621 | 5,731 | 5,843 |
| Peak Day Therms | 48,273 | 49,410 | 50,568 | 51,837 | 53,027 | 54,238 | 55,460 | 56,703 | 57,967 | 59,203 |
| Therms Per Residential Customer | 989 | 989 | 993 | 989 | 989 | 989 | 993 | 989 | 989 | 989 |
| Therms Per Commercial Customer | 4,750 | 4,749 | 4,767 | 4,751 | 4,751 | 4,751 | 4,766 | 4,750 | 4,750 | 4,750 |
| Therms Per Industrial Customer | 15,422 | 15,422 | 15,469 | 15,422 | 15,422 | 15,422 | 15,469 | 15,422 | 15,422 | 15,422 |
| Residential Customers | 3,462 | 3,553 | 3,647 | 3,741 | 3,838 | 3,936 | 4,036 | 4,138 | 4,241 | 4,346 |
| Commercial Customers | 223 | 225 | 228 | 231 | 234 | 237 | 240 | 243 | 246 | 249 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,687 | 3,781 | 3,877 | 3,974 | 4,074 | 4,175 | 4,278 | 4,383 | 4,489 | 4,597 |

| Pronghorn | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.04% | 2.04% | 1.21% | 0.98% | 1.19% | 2.45% | 0.99% | 1.03% | 1.26% |
| Residential Therms | 328,137 | 332,642 | 338,583 | 342,862 | 348,467 | 354,178 | 361,621 | 366,496 | 372,786 | 379,309 |
| Commercial Therms | 223,941 | 225,152 | 230,616 | 233,202 | 233,217 | 234,428 | 241,393 | 242,461 | 242,461 | 243,671 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 552,077 | 557,795 | 569,199 | 576,063 | 581,685 | 588,607 | 603,014 | 608,957 | 615,247 | 622,981 |
| Daily Baseload Therms | 830 | 837 | 846 | 868 | 875 | 886 | 892 | 917 | 925 | 934 |
| Peak Day Therms | 5,796 | 5,861 | 5,944 | 6,185 | 6,267 | 6,412 | 6,510 | 6,576 | 6,754 | 6,820 |
| Therms Per Residential Customer | 1,599 | 1,599 | 1,604 | 1,599 | 1,598 | 1,598 | 1,605 | 1,598 | 1,598 | 1,598 |
| Therms Per Commercial Customer | 9,267 | 9,285 | 9,318 | 9,266 | 9,267 | 9,284 | 9,314 | 9,266 | 9,266 | 9,283 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 205 | 208 | 211 | 214 | 218 | 222 | 225 | 229 | 233 | 237 |
| Commercial Customers | 24 | 24 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 229 | 232 | 236 | 240 | 243 | 247 | 251 | 256 | 259 | 264 |

| Bend Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.96% | 2.47% | 1.61% | 2.08% | 2.07% | 2.54% | 1.63% | 2.06% | 2.05% |
| Residential Therms | 20,690,666 | 21,236,750 | 21,888,618 | 22,358,982 | 22,933,716 | 23,520,324 | 24,225,412 | 24,726,385 | 25,343,027 | 25,968,981 |
| Commercial Therms | 11,473,635 | 11,593,750 | 11,780,632 | 11,874,933 | 12,025,097 | 12,177,799 | 12,386,940 | 12,488,648 | 12,643,630 | 12,796,140 |
| Industrial Therms | 370,935 | 342,734 | 324,971 | 308,893 | 301,896 | 291,122 | 290,949 | 289,776 | 291,147 | 295,654 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 32,535,235 | 33,173,234 | 33,994,221 | 34,542,808 | 35,260,709 | 35,989,244 | 36,903,302 | 37,504,808 | 38,277,804 | 39,060,775 |
| Daily Baseload Therms | 27,680 | 28,156 | 28,713 | 29,258 | 29,844 | 30,410 | 31,018 | 31,629 | 32,251 | 32,877 |
| Peak Day Therms | 368,636 | 377,009 | 385,280 | 393,840 | 402,512 | 411,259 | 420,096 | 429,017 | 438,004 | 447,036 |
| Therms Per Residential Customer | 759 | 759 | 762 | 758 | 758 | 758 | 762 | 758 | 758 | 758 |
| Therms Per Commercial Customer | 2,794 | 2,794 | 2,806 | 2,794 | 2,793 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 |
| Therms Per Industrial Customer | 21,927 | 21,994 | 22,032 | 21,933 | 21,956 | 21,971 | 22,097 | 22,008 | 21,973 | 22,036 |
| Residential Customers | 27,276 | 27,997 | 28,731 | 29,479 | 30,240 | 31,014 | 31,803 | 32,604 | 33,418 | 34,244 |
| Commercial Customers | 4,106 | 4,150 | 4,199 | 4,251 | 4,305 | 4,360 | 4,415 | 4,471 | 4,526 | 4,581 |
| Industrial Customers | 17 | 16 | 15 | 14 | 14 | 13 | 13 | 13 | 13 | 13 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 31,400 | 32,162 | 32,945 | 33,743 | 34,558 | 35,387 | 36,231 | 37,088 | 37,958 | 38,839 |

| McCleary (Aberdeen/Hoquiam) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -1.26% | -0.47% | -1.42% | -0.57% | -0.48% | -0.05% | -1.19% | -0.34% | -0.31% |
| Residential Therms | 2,364,668 | 2,348,123 | 2,346,304 | 2,327,759 | 2,320,618 | 2,315,899 | 2,323,037 | 2,311,682 | 2,310,862 | 2,311,227 |
| Commercial Therms | 3,115,750 | 3,085,530 | 3,068,526 | 3,030,801 | 3,006,369 | 2,984,506 | 2,976,672 | 2,946,279 | 2,928,528 | 2,911,579 |
| Industrial Therms | 263,441 | 237,687 | 230,007 | 206,034 | 205,972 | 205,972 | 204,168 | 180,280 | 180,280 | 180,280 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,743,859 | 5,671,340 | 5,644,836 | 5,564,593 | 5,532,959 | 5,506,377 | 5,503,877 | 5,438,241 | 5,419,670 | 5,403,085 |
| Daily Baseload Therms | 6,213 | 6,101 | 6,058 | 5,963 | 5,930 | 5,897 | 5,872 | 5,787 | 5,763 | 5,746 |
| Peak Day Therms | 55,496 | 55,440 | 55,431 | 55,421 | 55,419 | 55,430 | 55,294 | 55,312 | 55,370 | 55,402 |
| Therms Per Residential Customer | 703 | 703 | 706 | 703 | 703 | 703 | 706 | 703 | 703 | 703 |
| Therms Per Commercial Customer | 4,446 | 4,447 | 4,464 | 4,447 | 4,446 | 4,446 | 4,463 | 4,447 | 4,447 | 4,447 |
| Therms Per Industrial Customer | 25,912 | 25,929 | 25,795 | 25,754 | 25,746 | 25,746 | 25,790 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,363 | 3,340 | 3,324 | 3,311 | 3,302 | 3,295 | 3,291 | 3,289 | 3,288 | 3,288 |
| Commercial Customers | 701 | 694 | 687 | 682 | 676 | 671 | 667 | 663 | 659 | 655 |
| Industrial Customers | 10 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,074 | 4,043 | 4,020 | 4,001 | 3,986 | 3,975 | 3,966 | 3,958 | 3,953 | 3,950 |

| Acme | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.77% | 0.81% | 0.91% | 4.40% | 0.85% | 1.28% | 0.42% | 0.80% | 1.45% |
| Residential Therms | 50,851 | 51,492 | 52,038 | 52,362 | 53,108 | 53,863 | 54,855 | 55,384 | 56,112 | 56,867 |
| Commercial Therms | 32,253 | 32,253 | 32,384 | 32,829 | 35,831 | 35,831 | 35,983 | 35,837 | 35,837 | 36,412 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 83,105 | 83,745 | 84,422 | 85,191 | 88,939 | 89,694 | 90,838 | 91,221 | 91,949 | 93,279 |
| Daily Baseload Therms | 54 | 55 | 55 | 55 | 58 | 59 | 59 | 60 | 60 | 61 |
| Peak Day Therms | 769 | 775 | 816 | 816 | 823 | 830 | 837 | 878 | 891 | 898 |
| Therms Per Residential Customer | 760 | 759 | 764 | 760 | 760 | 760 | 763 | 760 | 760 | 760 |
| Therms Per Commercial Customer | 3,584 | 3,584 | 3,598 | 3,614 | 3,583 | 3,583 | 3,598 | 3,584 | 3,584 | 3,611 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 67 | 68 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 |
| Commercial Customers | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 76 | 77 | 77 | 78 | 80 | 81 | 82 | 83 | 84 | 85 |

| Arlington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.34% | 1.78% | 1.14% | 1.60% | 1.68% | 2.15% | 1.43% | 1.80% | 1.82% |
| Residential Therms | 3,370,910 | 3,416,304 | 3,480,122 | 3,520,566 | 3,577,925 | 3,639,446 | 3,719,515 | 3,772,252 | 3,842,602 | 3,915,476 |
| Commercial Therms | 1,838,774 | 1,856,377 | 1,886,178 | 1,900,940 | 1,924,428 | 1,949,536 | 1,983,104 | 2,000,959 | 2,028,380 | 2,054,661 |
| Industrial Therms | 333,074 | 344,560 | 350,909 | 360,609 | 372,516 | 384,569 | 399,263 | 416,094 | 430,002 | 445,274 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,542,758 | 5,617,241 | 5,717,209 | 5,782,116 | 5,874,870 | 5,973,551 | 6,101,883 | 6,189,305 | 6,300,985 | 6,415,411 |
| Daily Baseload Therms | 5,282 | 5,357 | 5,440 | 5,526 | 5,618 | 5,714 | 5,812 | 5,913 | 6,035 | 6,144 |
| Peak Day Therms | 57,355 | 58,491 | 59,671 | 60,880 | 62,118 | 63,268 | 64,564 | 65,882 | 67,199 | 68,561 |
| Therms Per Residential Customer | 710 | 710 | 712 | 710 | 709 | 709 | 712 | 709 | 709 | 709 |
| Therms Per Commercial Customer | 3,146 | 3,146 | 3,158 | 3,146 | 3,144 | 3,144 | 3,157 | 3,145 | 3,145 | 3,144 |
| Therms Per Industrial Customer | 11,485 | 11,485 | 11,505 | 11,478 | 11,462 | 11,451 | 11,490 | 11,505 | 11,467 | 11,466 |
| Residential Customers | 4,750 | 4,815 | 4,885 | 4,962 | 5,043 | 5,130 | 5,222 | 5,317 | 5,416 | 5,519 |
| Commercial Customers | 584 | 590 | 597 | 604 | 612 | 620 | 628 | 636 | 645 | 654 |
| Industrial Customers | 29 | 30 | 31 | 31 | 33 | 34 | 35 | 36 | 38 | 39 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,364 | 5,435 | 5,513 | 5,597 | 5,688 | 5,784 | 5,885 | 5,989 | 6,099 | 6,211 |

| Bremerton (Shelton) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.68% | 0.85% | 0.53% | 1.00% | 1.06% | 1.51% | 0.75% | 1.19% | 1.23% |
| Residential Therms | 21,263,426 | 21,438,521 | 21,732,189 | 21,866,011 | 22,104,339 | 22,356,173 | 22,714,656 | 22,895,036 | 23,179,556 | 23,473,392 |
| Commercial Therms | 11,023,707 | 11,079,786 | 11,201,910 | 11,255,731 | 11,364,809 | 11,486,413 | 11,662,871 | 11,758,624 | 11,907,691 | 12,067,925 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 34,176,831 | 34,408,005 | 34,701,698 | 34,885,461 | 35,232,868 | 35,606,304 | 36,145,125 | 36,417,379 | 36,850,966 | 37,305,036 |
| Daily Baseload Therms | 32,495 | 32,698 | 32,652 | 32,935 | 33,241 | 33,569 | 33,914 | 34,284 | 34,665 | 35,065 |
| Peak Day Therms | 324,082 | 328,350 | 332,133 | 336,658 | 341,309 | 346,098 | 350,999 | 356,052 | 361,171 | 366,481 |
| Therms Per Residential Customer | 669 | 669 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,733 | 3,732 | 3,746 | 3,732 | 3,731 | 3,731 | 3,746 | 3,731 | 3,731 | 3,731 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 31,804 | 32,069 | 32,376 | 32,711 | 33,071 | 33,448 | 33,844 | 34,255 | 34,682 | 35,123 |
| Commercial Customers | 2,953 | 2,969 | 2,990 | 3,016 | 3,046 | 3,078 | 3,113 | 3,151 | 3,192 | 3,235 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 34,775 | 35,054 | 35,382 | 35,744 | 36,132 | 36,543 | 36,974 | 37,423 | 37,890 | 38,373 |

| Castle Rock | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.26% | 1.12% | 0.00% | 0.45% | 1.55% | 0.88% | 1.28% | 0.50% | 1.58% |
| Residential Therms | 34,052 | 34,138 | 34,378 | 34,566 | 34,807 | 35,184 | 35,843 | 36,174 | 36,689 | 37,097 |
| Commercial Therms | 131,565 | 131,912 | 133,530 | 133,346 | 133,868 | 136,105 | 136,952 | 138,839 | 139,208 | 141,586 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 165,617 | 166,050 | 167,908 | 167,912 | 168,675 | 171,289 | 172,795 | 175,014 | 175,898 | 178,684 |
| Daily Baseload Therms | 213 | 217 | 217 | 217 | 217 | 222 | 222 | 226 | 227 | 231 |
| Peak Day Therms | 1,380 | 1,406 | 1,411 | 1,437 | 1,468 | 1,473 | 1,504 | 1,530 | 1,555 | 1,586 |
| Therms Per Residential Customer | 521 | 521 | 523 | 520 | 521 | 521 | 523 | 522 | 522 | 522 |
| Therms Per Commercial Customer | 2,765 | 2,763 | 2,772 | 2,764 | 2,765 | 2,764 | 2,776 | 2,763 | 2,766 | 2,763 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 65 | 66 | 66 | 66 | 67 | 68 | 69 | 69 | 70 | 71 |
| Commercial Customers | 48 | 48 | 48 | 48 | 48 | 49 | 49 | 50 | 50 | 51 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 113 | 113 | 114 | 115 | 115 | 117 | 118 | 120 | 121 | 122 |

| Walla Walla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.21% | 0.80% | 0.10% | 0.57% | 0.65% | 1.11% | 0.33% | 0.78% | 0.81% |
| Residential Therms | 6,249,632 | 6,268,399 | 6,327,058 | 6,340,898 | 6,386,616 | 6,437,726 | 6,520,211 | 6,551,121 | 6,612,259 | 6,676,139 |
| Commercial Therms | 4,065,712 | 4,072,402 | 4,104,468 | 4,108,333 | 4,132,442 | 4,160,781 | 4,210,178 | 4,226,268 | 4,262,843 | 4,301,466 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,066,229 | 12,091,686 | 12,187,874 | 12,200,116 | 12,269,944 | 12,349,392 | 12,486,737 | 12,528,274 | 12,625,987 | 12,728,490 |
| Daily Baseload Therms | 10,126 | 10,146 | 10,184 | 10,232 | 10,287 | 10,348 | 10,414 | 10,483 | 10,560 | 10,638 |
| Peak Day Therms | 161,581 | 163,287 | 165,008 | 166,745 | 168,539 | 170,356 | 172,221 | 174,102 | 176,048 | 178,009 |
| Therms Per Residential Customer | 578 | 578 | 580 | 578 | 578 | 578 | 580 | 578 | 578 | 578 |
| Therms Per Commercial Customer | 3,248 | 3,248 | 3,261 | 3,247 | 3,247 | 3,246 | 3,260 | 3,246 | 3,246 | 3,246 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 10,816 | 10,850 | 10,906 | 10,977 | 11,057 | 11,146 | 11,241 | 11,343 | 11,449 | 11,560 |
| Commercial Customers | 1,252 | 1,254 | 1,259 | 1,265 | 1,273 | 1,282 | 1,292 | 1,302 | 1,313 | 1,325 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,086 | 12,122 | 12,183 | 12,260 | 12,348 | 12,446 | 12,551 | 12,663 | 12,780 | 12,903 |

| Deming | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.32% | 1.60% | 5.55% | 0.18% | 0.04% | 0.59% | 2.53% | 3.85% | 0.05% |
| Residential Therms | 13,371 | 13,817 | 13,881 | 13,904 | 14,272 | 14,337 | 14,501 | 14,872 | 14,881 | 14,967 |
| Commercial Therms | 124,649 | 124,649 | 126,797 | 134,581 | 134,477 | 134,477 | 135,191 | 138,610 | 144,505 | 144,505 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 138,020 | 138,466 | 140,679 | 148,485 | 148,749 | 148,814 | 149,693 | 153,483 | 159,386 | 159,472 |
| Daily Baseload Therms | 97 | 98 | 98 | 105 | 105 | 105 | 105 | 105 | 113 | 113 |
| Peak Day Therms | 1,385 | 1,489 | 1,489 | 1,494 | 1,494 | 1,598 | 1,604 | 1,604 | 1,609 | 1,713 |
| Therms Per Residential Customer | 535 | 533 | 536 | 535 | 535 | 533 | 537 | 534 | 533 | 535 |
| Therms Per Commercial Customer | 10,107 | 10,107 | 10,212 | 10,094 | 10,086 | 10,086 | 10,139 | 10,204 | 10,082 | 10,082 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 25 | 26 | 26 | 26 | 27 | 27 | 27 | 28 | 28 | 28 |
| Commercial Customers | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 37 | 38 | 38 | 39 | 40 | 40 | 40 | 41 | 42 | 42 |

| Wenatchee | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -1.16% | -0.82% | -1.21% | -0.97% | -0.91% | -0.47% | -1.23% | -0.90% | -0.51% |
| Residential Therms | 551,899 | 532,437 | 517,097 | 499,537 | 484,588 | 470,305 | 458,274 | 443,370 | 430,504 | 417,865 |
| Commercial Therms | 3,360,071 | 3,351,135 | 3,357,373 | 3,337,394 | 3,326,543 | 3,321,489 | 3,322,402 | 3,301,980 | 3,291,866 | 3,286,814 |
| Industrial Therms | 302,184 | 281,595 | 256,631 | 244,317 | 230,344 | 213,080 | 205,305 | 191,461 | 179,197 | 176,998 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,214,154 | 4,165,167 | 4,131,101 | 4,081,248 | 4,041,476 | 4,004,874 | 3,985,980 | 3,936,811 | 3,901,567 | 3,881,676 |
| Daily Baseload Therms | 8,841 | 8,734 | 8,640 | 8,539 | 8,491 | 8,402 | 8,356 | 8,258 | 8,213 | 8,180 |
| Peak Day Therms | 38,133 | 37,805 | 37,473 | 37,145 | 36,860 | 36,532 | 36,200 | 35,915 | 35,587 | 35,255 |
| Therms Per Residential Customer | 447 | 447 | 449 | 447 | 447 | 447 | 449 | 448 | 448 | 448 |
| Therms Per Commercial Customer | 5,065 | 5,065 | 5,081 | 5,065 | 5,064 | 5,064 | 5,081 | 5,065 | 5,065 | 5,065 |
| Therms Per Industrial Customer | 25,537 | 25,600 | 25,663 | 25,494 | 25,594 | 25,570 | 25,663 | 25,528 | 25,600 | 25,590 |
| Residential Customers | 1,234 | 1,190 | 1,152 | 1,117 | 1,083 | 1,051 | 1,020 | 991 | 962 | 933 |
| Commercial Customers | 663 | 662 | 661 | 659 | 657 | 656 | 654 | 652 | 650 | 649 |
| Industrial Customers | 12 | 11 | 10 | 10 | 9 | 8 | 8 | 8 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,909 | 1,863 | 1,823 | 1,785 | 1,749 | 1,716 | 1,682 | 1,650 | 1,619 | 1,589 |

| Finley | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 4.14% | 1.74% | 1.19% | 3.75% | 1.62% | 0.89% | 1.44% | 3.04% | 1.42% |
| Residential Therms | 14,801 | 15,216 | 15,429 | 15,913 | 16,453 | 16,879 | 17,447 | 17,581 | 18,125 | 18,667 |
| Commercial Therms | 90,629 | 94,585 | 96,277 | 97,121 | 100,825 | 102,296 | 102,792 | 104,393 | 107,562 | 108,809 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 105,431 | 109,800 | 111,707 | 113,034 | 117,278 | 119,175 | 120,239 | 121,974 | 125,687 | 127,476 |
| Daily Baseload Therms | 45 | 48 | 48 | 48 | 48 | 52 | 52 | 52 | 55 | 55 |
| Peak Day Therms | 1,399 | 1,406 | 1,412 | 1,506 | 1,506 | 1,513 | 1,606 | 1,613 | 1,620 | 1,713 |
| Therms Per Residential Customer | 566 | 569 | 568 | 565 | 566 | 567 | 572 | 564 | 565 | 566 |
| Therms Per Commercial Customer | 6,591 | 6,523 | 6,564 | 6,584 | 6,576 | 6,530 | 6,561 | 6,559 | 6,519 | 6,529 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 26 | 27 | 27 | 28 | 29 | 30 | 31 | 31 | 32 | 33 |
| Commercial Customers | 14 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 17 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 49 | 50 |

| Grandview | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.53% | 0.97% | 0.33% | 0.69% | 0.80% | 1.30% | 0.50% | 0.95% | 1.00% |
| Residential Therms | 648,275 | 651,583 | 658,134 | 659,760 | 664,268 | 669,370 | 677,604 | 680,684 | 686,796 | 693,173 |
| Commercial Therms | 780,506 | 785,374 | 793,655 | 797,514 | 803,982 | 811,717 | 824,135 | 829,520 | 838,903 | 848,998 |
| Industrial Therms | 127,780 | 127,780 | 128,090 | 127,780 | 127,780 | 127,780 | 128,090 | 127,780 | 127,780 | 127,780 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,556,561 | 1,564,736 | 1,579,880 | 1,585,053 | 1,596,029 | 1,608,867 | 1,629,829 | 1,637,984 | 1,653,478 | 1,669,950 |
| Daily Baseload Therms | 2,373 | 2,381 | 2,396 | 2,406 | 2,422 | 2,440 | 2,457 | 2,475 | 2,499 | 2,517 |
| Peak Day Therms | 13,106 | 13,269 | 13,454 | 13,589 | 13,753 | 13,888 | 14,064 | 14,240 | 14,472 | 14,647 |
| Therms Per Residential Customer | 686 | 687 | 690 | 687 | 687 | 687 | 689 | 687 | 686 | 686 |
| Therms Per Commercial Customer | 4,209 | 4,211 | 4,225 | 4,210 | 4,207 | 4,208 | 4,226 | 4,209 | 4,207 | 4,208 |
| Therms Per Industrial Customer | 14,198 | 14,198 | 14,232 | 14,198 | 14,198 | 14,198 | 14,232 | 14,198 | 14,198 | 14,198 |
| Residential Customers | 944 | 949 | 954 | 961 | 967 | 975 | 983 | 992 | 1,001 | 1,010 |
| Commercial Customers | 185 | 187 | 188 | 189 | 191 | 193 | 195 | 197 | 199 | 202 |
| Industrial Customers | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,139 | 1,144 | 1,151 | 1,159 | 1,168 | 1,177 | 1,187 | 1,198 | 1,209 | 1,221 |

| Zillah (Toppenish) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.45% | 0.93% | 0.20% | 0.64% | 1.22% | 1.59% | 0.41% | 0.86% | 0.99% |
| Residential Therms | 1,044,205 | 1,049,585 | 1,060,633 | 1,062,772 | 1,070,010 | 1,078,049 | 1,092,228 | 1,096,435 | 1,106,357 | 1,116,507 |
| Commercial Therms | 1,960,999 | 1,972,367 | 1,994,799 | 2,002,245 | 2,019,842 | 2,039,360 | 2,070,046 | 2,083,969 | 2,108,288 | 2,133,202 |
| Industrial Therms | 684,338 | 684,338 | 686,131 | 684,338 | 684,011 | 703,228 | 720,370 | 718,496 | 718,496 | 722,891 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 3,756,672 | 3,773,421 | 3,808,694 | 3,816,486 | 3,840,994 | 3,887,768 | 3,949,775 | 3,966,031 | 4,000,271 | 4,039,730 |
| Daily Baseload Therms | 3,925 | 3,938 | 3,957 | 3,977 | 4,002 | 4,027 | 4,115 | 4,140 | 4,174 | 4,204 |
| Peak Day Therms | 40,856 | 41,251 | 41,894 | 42,325 | 42,763 | 43,419 | 43,870 | 44,576 | 45,076 | 45,795 |
| Therms Per Residential Customer | 557 | 557 | 560 | 557 | 557 | 557 | 559 | 557 | 557 | 557 |
| Therms Per Commercial Customer | 3,851 | 3,851 | 3,867 | 3,850 | 3,849 | 3,848 | 3,866 | 3,850 | 3,850 | 3,849 |
| Therms Per Industrial Customer | 31,106 | 31,106 | 31,188 | 31,106 | 31,091 | 31,025 | 31,320 | 31,239 | 31,239 | 31,317 |
| Residential Customers | 1,876 | 1,884 | 1,895 | 1,908 | 1,922 | 1,937 | 1,953 | 1,970 | 1,987 | 2,006 |
| Commercial Customers | 509 | 512 | 516 | 520 | 525 | 530 | 536 | 541 | 548 | 554 |
| Industrial Customers | 22 | 22 | 22 | 22 | 22 | 23 | 23 | 23 | 23 | 23 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,408 | 2,419 | 2,434 | 2,451 | 2,470 | 2,490 | 2,512 | 2,535 | 2,559 | 2,584 |

| Kalama #2 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.24% | 0.56% | -0.05% | 0.37% | 0.83% | 0.75% | 0.57% | 0.47% | 0.93% |
| Residential Therms | 225,683 | 225,841 | 227,683 | 228,456 | 230,536 | 233,131 | 236,458 | 238,604 | 241,593 | 244,861 |
| Commercial Therms | 192,617 | 194,219 | 195,683 | 195,335 | 196,037 | 199,472 | 200,831 | 203,690 | 204,201 | 207,871 |
| Industrial Therms | 301,406 | 301,406 | 302,176 | 301,406 | 301,332 | 301,332 | 302,176 | 301,406 | 301,406 | 301,406 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 719,706 | 721,467 | 725,542 | 725,198 | 727,906 | 733,935 | 739,465 | 743,701 | 747,201 | 754,139 |
| Daily Baseload Therms | 1,634 | 1,642 | 1,642 | 1,646 | 1,648 | 1,659 | 1,663 | 1,676 | 1,680 | 1,690 |
| Peak Day Therms | 4,446 | 4,498 | 4,531 | 4,584 | 4,644 | 4,677 | 4,729 | 4,790 | 4,823 | 4,884 |
| Therms Per Residential Customer | 1,329 | 1,328 | 1,333 | 1,328 | 1,328 | 1,328 | 1,333 | 1,328 | 1,328 | 1,328 |
| Therms Per Commercial Customer | 4,195 | 4,199 | 4,208 | 4,193 | 4,193 | 4,192 | 4,213 | 4,193 | 4,196 | 4,192 |
| Therms Per Industrial Customer | 100,469 | 100,469 | 100,725 | 100,469 | 100,444 | 100,444 | 100,725 | 100,469 | 100,469 | 100,469 |
| Residential Customers | 170 | 170 | 171 | 172 | 174 | 176 | 177 | 180 | 182 | 184 |
| Commercial Customers | 46 | 46 | 47 | 47 | 47 | 48 | 48 | 49 | 49 | 50 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 219 | 219 | 220 | 222 | 223 | 226 | 228 | 231 | 234 | 237 |

| Lawrence | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.00% | 1.97% | 1.03% | 0.90% | 0.47% | 2.89% | 0.62% | 1.31% | 2.37% |
| Residential Therms | 45,183 | 45,635 | 46,104 | 46,660 | 47,284 | 47,402 | 48,329 | 48,876 | 49,615 | 50,354 |
| Commercial Therms | 20,718 | 20,932 | 21,785 | 21,937 | 21,938 | 22,152 | 23,254 | 23,156 | 23,370 | 24,375 |
| Industrial Therms | 683 | 683 | 684 | 683 | 683 | 683 | 684 | 683 | 683 | 683 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 66,584 | 67,250 | 68,573 | 69,280 | 69,905 | 70,237 | 72,267 | 72,715 | 73,667 | 75,411 |
| Daily Baseload Therms | 45 | 46 | 46 | 47 | 47 | 47 | 49 | 49 | 50 | 51 |
| Peak Day Therms | 737 | 737 | 744 | 752 | 773 | 781 | 802 | 810 | 818 | 839 |
| Therms Per Residential Customer | 740 | 739 | 743 | 740 | 739 | 740 | 743 | 740 | 740 | 740 |
| Therms Per Commercial Customer | 1,219 | 1,225 | 1,222 | 1,219 | 1,219 | 1,225 | 1,224 | 1,219 | 1,225 | 1,219 |
| Therms Per Industrial Customer | 630 | 630 | 632 | 630 | 630 | 630 | 632 | 630 | 630 | 630 |
| Residential Customers | 61 | 62 | 62 | 63 | 64 | 64 | 65 | 66 | 67 | 68 |
| Commercial Customers | 17 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 20 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 79 | 80 | 81 | 82 | 83 | 83 | 85 | 86 | 87 | 89 |

| Moxee (Beauchene) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.40% | 0.34% | 0.45% | 0.23% | 0.36% | 0.87% | 0.16% | 0.72% | 0.73% |
| Residential Therms | 1,005,440 | 1,004,366 | 1,007,870 | 1,003,311 | 1,002,933 | 1,003,446 | 1,008,530 | 1,004,992 | 1,006,127 | 1,007,513 |
| Commercial Therms | 2,495,193 | 2,479,746 | 2,489,215 | 2,482,975 | 2,493,104 | 2,507,639 | 2,537,757 | 2,549,086 | 2,578,528 | 2,608,424 |
| Industrial Therms | 671,945 | 671,945 | 673,120 | 702,799 | 702,572 | 702,572 | 703,974 | 702,781 | 702,781 | 702,799 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,172,578 | 4,156,057 | 4,170,205 | 4,189,085 | 4,198,609 | 4,213,657 | 4,250,261 | 4,256,860 | 4,287,436 | 4,318,735 |
| Daily Baseload Therms | 4,355 | 4,343 | 4,338 | 4,465 | 4,476 | 4,491 | 4,506 | 4,522 | 4,548 | 4,574 |
| Peak Day Therms | 12,972 | 13,286 | 13,423 | 13,491 | 13,635 | 13,955 | 14,099 | 14,250 | 14,331 | 14,659 |
| Therms Per Residential Customer | 613 | 614 | 616 | 613 | 613 | 613 | 616 | 613 | 613 | 613 |
| Therms Per Commercial Customer | 6,326 | 6,323 | 6,351 | 6,325 | 6,321 | 6,320 | 6,350 | 6,324 | 6,323 | 6,321 |
| Therms Per Industrial Customer | 47,996 | 47,996 | 48,080 | 49,032 | 49,017 | 49,017 | 49,114 | 49,031 | 49,031 | 49,032 |
| Residential Customers | 1,640 | 1,637 | 1,636 | 1,636 | 1,636 | 1,636 | 1,637 | 1,639 | 1,641 | 1,643 |
| Commercial Customers | 394 | 392 | 392 | 393 | 394 | 397 | 400 | 403 | 408 | 413 |
| Industrial Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,048 | 2,043 | 2,042 | 2,042 | 2,044 | 2,048 | 2,051 | 2,056 | 2,063 | 2,070 |

| Othello | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.73% | 1.62% | -0.81% | 1.35% | -0.38% | 1.91% | -0.64% | 1.50% | -0.23% |
| Residential Therms | 630,129 | 623,195 | 619,997 | 612,184 | 607,161 | 602,687 | 601,279 | 594,572 | 590,791 | 587,109 |
| Commercial Therms | 1,043,665 | 1,034,883 | 1,031,913 | 1,023,778 | 1,019,102 | 1,015,358 | 1,017,025 | 1,011,534 | 1,009,381 | 1,007,937 |
| Industrial Therms | 308,679 | 308,679 | 349,197 | 347,552 | 386,245 | 386,245 | 427,196 | 425,299 | 464,173 | 464,173 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,140,275 | 2,124,559 | 2,158,909 | 2,141,317 | 2,170,310 | 2,162,092 | 2,203,303 | 2,189,208 | 2,222,147 | 2,217,021 |
| Daily Baseload Therms | 2,651 | 2,638 | 2,706 | 2,698 | 2,771 | 2,763 | 2,837 | 2,829 | 2,908 | 2,905 |
| Peak Day Therms | 19,642 | 19,957 | 19,975 | 20,259 | 20,308 | 20,599 | 20,883 | 20,901 | 20,949 | 21,234 |
| Therms Per Residential Customer | 606 | 606 | 609 | 606 | 606 | 606 | 609 | 606 | 606 | 606 |
| Therms Per Commercial Customer | 3,745 | 3,745 | 3,758 | 3,747 | 3,744 | 3,744 | 3,759 | 3,746 | 3,747 | 3,746 |
| Therms Per Industrial Customer | 25,723 | 25,723 | 26,861 | 26,735 | 27,589 | 27,589 | 28,480 | 28,353 | 29,011 | 29,011 |
| Residential Customers | 1,040 | 1,028 | 1,019 | 1,010 | 1,002 | 995 | 988 | 981 | 975 | 969 |
| Commercial Customers | 279 | 276 | 275 | 273 | 272 | 271 | 271 | 270 | 269 | 269 |
| Industrial Customers | 12 | 12 | 13 | 13 | 14 | 14 | 15 | 15 | 16 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,332 | 1,318 | 1,307 | 1,297 | 1,289 | 1,281 | 1,274 | 1,267 | 1,261 | 1,255 |

| North Pasco | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.75% | 2.32% | 1.56% | 2.12% | 2.09% | 2.58% | 1.71% | 2.19% | 2.20% |
| Residential Therms | 2,708,873 | 2,780,906 | 2,868,784 | 2,934,337 | 3,014,621 | 3,097,737 | 3,196,890 | 3,270,042 | 3,359,329 | 3,450,977 |
| Commercial Therms | 1,841,431 | 1,850,716 | 1,872,797 | 1,883,224 | 1,907,458 | 1,929,450 | 1,962,709 | 1,979,791 | 2,007,647 | 2,036,376 |
| Industrial Therms | 106,669 | 106,669 | 106,825 | 106,669 | 106,679 | 106,679 | 106,825 | 106,669 | 106,669 | 106,669 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,656,973 | 4,738,291 | 4,848,406 | 4,924,230 | 5,028,758 | 5,133,866 | 5,266,424 | 5,356,503 | 5,473,645 | 5,594,023 |
| Daily Baseload Therms | 3,050 | 3,099 | 3,156 | 3,214 | 3,274 | 3,341 | 3,410 | 3,473 | 3,545 | 3,624 |
| Peak Day Therms | 66,058 | 67,702 | 69,364 | 71,064 | 72,782 | 74,538 | 76,312 | 78,105 | 80,062 | 81,911 |
| Therms Per Residential Customer | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 |
| Therms Per Commercial Customer | 9,292 | 9,292 | 9,325 | 9,285 | 9,290 | 9,287 | 9,324 | 9,288 | 9,287 | 9,281 |
| Therms Per Industrial Customer | 53,335 | 53,335 | 53,413 | 53,335 | 53,340 | 53,340 | 53,413 | 53,335 | 53,335 | 53,335 |
| Residential Customers | 2,030 | 2,084 | 2,141 | 2,199 | 2,260 | 2,322 | 2,386 | 2,451 | 2,518 | 2,587 |
| Commercial Customers | 198 | 199 | 201 | 203 | 205 | 208 | 211 | 213 | 216 | 219 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,230 | 2,285 | 2,344 | 2,404 | 2,467 | 2,532 | 2,598 | 2,666 | 2,737 | 2,809 |

| Patterson | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.27% | 17.99% | 5.57% | 0.00% | 0.35% | -0.26% | 0.00% | 0.00% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Daily Baseload Therms | 381 | 381 | 381 | 381 | 381 | 476 | 476 | 476 | 476 | 476 |
| Peak Day Therms | 873 | 873 | 873 | 873 | 1,092 | 1,092 | 1,092 | 1,092 | 1,092 | 1,092 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,794 | 48,794 | 48,923 | 57,724 | 59,698 | 50,434 | 48,923 | 48,794 | 48,794 | 48,794 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |

| Prosser | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.92% | 1.16% | -1.18% | 1.90% | 2.00% | 2.43% | 1.51% | 1.93% | 1.94% |
| Residential Therms | 261,283 | 267,980 | 276,597 | 282,832 | 290,424 | 298,222 | 307,682 | 314,241 | 322,423 | 330,506 |
| Commercial Therms | 464,649 | 474,490 | 485,007 | 492,664 | 501,703 | 511,731 | 523,984 | 531,882 | 541,914 | 552,525 |
| Industrial Therms | 133,313 | 133,313 | 124,346 | 99,985 | 99,966 | 99,966 | 100,348 | 99,985 | 99,985 | 99,985 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 859,245 | 875,782 | 885,950 | 875,480 | 892,094 | 909,919 | 932,014 | 946,107 | 964,322 | 983,016 |
| Daily Baseload Therms | 684 | 694 | 707 | 690 | 703 | 716 | 729 | 743 | 756 | 769 |
| Peak Day Therms | 9,403 | 9,608 | 9,814 | 10,053 | 10,259 | 10,464 | 10,704 | 10,909 | 11,155 | 11,361 |
| Therms Per Residential Customer | 564 | 564 | 566 | 564 | 563 | 563 | 566 | 563 | 564 | 563 |
| Therms Per Commercial Customer | 3,351 | 3,353 | 3,366 | 3,351 | 3,348 | 3,348 | 3,362 | 3,349 | 3,349 | 3,350 |
| Therms Per Industrial Customer | 33,328 | 33,328 | 32,438 | 33,328 | 33,322 | 33,322 | 33,449 | 33,328 | 33,328 | 33,328 |
| Residential Customers | 463 | 475 | 488 | 502 | 515 | 529 | 544 | 558 | 572 | 587 |
| Commercial Customers | 139 | 142 | 144 | 147 | 150 | 153 | 156 | 159 | 162 | 165 |
| Industrial Customers | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 606 | 621 | 636 | 652 | 668 | 685 | 702 | 720 | 737 | 755 |

| Quincy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.51% | 1.96% | -0.40% | 0.59% | 0.18% | 0.84% | 0.25% | 0.65% | 0.76% |
| Residential Therms | 33,987 | 33,855 | 33,473 | 33,166 | 32,717 | 32,452 | 32,288 | 31,856 | 31,557 | 30,968 |
| Commercial Therms | 506,105 | 502,586 | 501,719 | 499,826 | 504,685 | 506,269 | 511,739 | 514,689 | 519,797 | 526,067 |
| Industrial Therms | 177,534 | 177,534 | 192,799 | 192,116 | 191,985 | 191,985 | 192,799 | 192,116 | 192,116 | 192,116 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 717,625 | 713,974 | 727,991 | 725,108 | 729,387 | 730,706 | 736,826 | 738,661 | 743,470 | 749,152 |
| Daily Baseload Therms | 1,104 | 1,104 | 1,103 | 1,103 | 1,102 | 1,102 | 1,116 | 1,115 | 1,129 | 1,143 |
| Peak Day Therms | 5,067 | 5,112 | 5,160 | 5,204 | 5,253 | 5,297 | 5,346 | 5,439 | 5,488 | 5,532 |
| Therms Per Residential Customer | 595 | 595 | 597 | 594 | 594 | 595 | 597 | 595 | 594 | 595 |
| Therms Per Commercial Customer | 8,119 | 8,117 | 8,136 | 8,105 | 8,118 | 8,111 | 8,144 | 8,116 | 8,111 | 8,114 |
| Therms Per Industrial Customer | 37,376 | 37,376 | 38,560 | 38,423 | 38,397 | 38,397 | 38,560 | 38,423 | 38,423 | 38,423 |
| Residential Customers | 57 | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 52 |
| Commercial Customers | 62 | 62 | 62 | 62 | 62 | 62 | 63 | 63 | 64 | 65 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 124 | 124 | 123 | 123 | 122 | 122 | 122 | 122 | 122 | 122 |

| Sunnyside | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.49% | 1.00% | 0.38% | 1.37% | 0.83% | 1.27% | 0.44% | 0.89% | 0.97% |
| Residential Therms | 1,044,523 | 1,049,961 | 1,060,950 | 1,063,021 | 1,070,481 | 1,078,623 | 1,092,383 | 1,096,662 | 1,106,428 | 1,116,788 |
| Commercial Therms | 1,658,331 | 1,668,179 | 1,687,008 | 1,694,144 | 1,708,814 | 1,725,516 | 1,751,387 | 1,763,067 | 1,782,598 | 1,804,354 |
| Industrial Therms | 406,925 | 406,925 | 408,354 | 411,057 | 432,188 | 433,991 | 435,577 | 434,053 | 434,053 | 434,053 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,109,779 | 3,125,064 | 3,156,311 | 3,168,221 | 3,211,483 | 3,238,130 | 3,279,347 | 3,293,783 | 3,323,079 | 3,355,195 |
| Daily Baseload Therms | 2,757 | 2,767 | 2,780 | 2,794 | 2,812 | 2,887 | 2,908 | 2,929 | 2,953 | 2,975 |
| Peak Day Therms | 33,186 | 33,537 | 33,849 | 34,201 | 34,772 | 35,161 | 35,531 | 36,141 | 36,550 | 36,958 |
| Therms Per Residential Customer | 569 | 570 | 572 | 570 | 570 | 569 | 572 | 569 | 569 | 569 |
| Therms Per Commercial Customer | 3,171 | 3,171 | 3,184 | 3,172 | 3,170 | 3,170 | 3,184 | 3,170 | 3,170 | 3,170 |
| Therms Per Industrial Customer | 27,128 | 27,128 | 27,224 | 27,103 | 27,153 | 27,124 | 27,224 | 27,128 | 27,128 | 27,128 |
| Residential Customers | 1,834 | 1,843 | 1,854 | 1,866 | 1,879 | 1,894 | 1,910 | 1,926 | 1,944 | 1,962 |
| Commercial Customers | 523 | 526 | 530 | 534 | 539 | 544 | 550 | 556 | 562 | 569 |
| Industrial Customers | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,372 | 2,384 | 2,398 | 2,415 | 2,434 | 2,455 | 2,476 | 2,498 | 2,522 | 2,547 |

| Moses Lake | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 3.85% | 10.02% | -0.05% | 0.00% | 0.40% | -0.35% | 0.00% | -0.01% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 37,800 | 37,800 | 37,963 | 37,800 | 37,783 | 37,783 | 37,963 | 37,800 | 37,800 | 37,800 |
| Industrial Therms | 107,754 | 107,754 | 113,196 | 128,503 | 128,440 | 128,440 | 128,925 | 128,512 | 128,512 | 128,503 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 145,554 | 145,554 | 151,159 | 166,303 | 166,223 | 166,223 | 166,888 | 166,312 | 166,312 | 166,303 |
| Daily Baseload Therms | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 | 167 |
| Peak Day Therms | 28,208 | 28,465 | 28,723 | 28,986 | 29,303 | 29,798 | 30,115 | 30,491 | 30,868 | 31,239 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,560 | 7,560 | 7,593 | 7,560 | 7,557 | 7,557 | 7,593 | 7,560 | 7,560 | 7,560 |
| Therms Per Industrial Customer | 21,551 | 21,551 | 21,561 | 21,719 | 21,708 | 21,708 | 21,790 | 21,720 | 21,720 | 21,719 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Industrial Customers | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| Woodland | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.09% | 0.76% | 0.07% | 2.57% | 0.66% | 1.22% | 0.39% | 0.82% | 2.81% |
| Residential Therms | 369,051 | 369,072 | 372,297 | 373,383 | 376,482 | 380,392 | 386,754 | 389,768 | 394,784 | 400,075 |
| Commercial Therms | 664,167 | 665,448 | 671,761 | 672,844 | 677,721 | 683,426 | 693,502 | 697,520 | 704,769 | 712,881 |
| Industrial Therms | 374,231 | 374,231 | 375,391 | 374,231 | 402,774 | 402,774 | 404,268 | 403,018 | 403,018 | 431,805 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,407,449 | 1,408,751 | 1,419,449 | 1,420,458 | 1,456,977 | 1,466,592 | 1,484,524 | 1,490,307 | 1,502,571 | 1,544,761 |
| Daily Baseload Therms | 1,885 | 1,889 | 1,894 | 1,901 | 1,978 | 1,989 | 1,996 | 2,011 | 2,023 | 2,102 |
| Peak Day Therms | 12,914 | 13,061 | 13,241 | 13,545 | 13,725 | 13,905 | 14,091 | 14,271 | 14,615 | 14,801 |
| Therms Per Residential Customer | 610 | 610 | 612 | 609 | 609 | 609 | 612 | 609 | 609 | 609 |
| Therms Per Commercial Customer | 3,438 | 3,438 | 3,452 | 3,436 | 3,434 | 3,434 | 3,452 | 3,436 | 3,437 | 3,434 |
| Therms Per Industrial Customer | 28,787 | 28,787 | 28,876 | 28,787 | 28,770 | 28,770 | 28,876 | 28,787 | 28,787 | 28,787 |
| Residential Customers | 605 | 605 | 608 | 613 | 618 | 625 | 632 | 640 | 648 | 657 |
| Commercial Customers | 193 | 194 | 195 | 196 | 197 | 199 | 201 | 203 | 205 | 208 |
| Industrial Customers | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 15 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 811 | 812 | 816 | 822 | 829 | 838 | 847 | 857 | 867 | 879 |

| A/M Rendering | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.39% | 0.32% | 0.06% | 2.81% | 0.37% | 3.05% | -0.32% | 0.53% | 2.46% |
| Residential Therms | 452,390 | 458,747 | 460,220 | 460,516 | 473,545 | 475,315 | 489,911 | 488,343 | 490,963 | 503,142 |
| Commercial Therms | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 456,353 | 462,710 | 464,195 | 464,480 | 477,509 | 479,278 | 493,887 | 492,307 | 494,927 | 507,105 |
| Daily Baseload Therms | 833 | 860 | 860 | 860 | 888 | 888 | 915 | 915 | 915 | 943 |
| Peak Day Therms | 3,589 | 3,589 | 3,704 | 3,704 | 3,704 | 3,819 | 3,819 | 3,934 | 3,934 | 4,049 |
| Therms Per Residential Customer | 14,832 | 14,798 | 14,846 | 14,816 | 14,798 | 14,815 | 14,846 | 14,798 | 14,803 | 14,798 |
| Therms Per Commercial Customer | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 31 | 31 | 31 | 31 | 32 | 32 | 33 | 33 | 33 | 34 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 32 | 32 | 32 | 32 | 33 | 33 | 34 | 34 | 34 | 35 |

| LDS Church | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% |
| Residential Therms | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,589 |
| Commercial Therms | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,624 | 9,624 | 9,670 | 9,624 | 9,625 | 9,625 | 9,670 | 9,624 | 9,624 | 9,624 |
| Daily Baseload Therms | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Peak Day Therms | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
| Therms Per Residential Customer | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 |
| Therms Per Commercial Customer | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Kalama #1 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.99% | -0.98% | 0.00% | 0.00% | 0.99% | -0.98% | 0.00% | 0.00% |
| Residential Therms | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 | 1,020 | 1,010 | 1,010 | 1,010 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 337 | 337 | 340 | 337 | 337 | 337 | 340 | 337 | 337 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Dehawn Dairy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% |
| Residential Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 525 | 525 | 530 | 525 | 525 | 525 | 530 | 525 | 525 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| Yakima Chief Ranch | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| 7th Day School | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.55% | -0.55% | 0.00% | 0.00% | 0.55% | 0.65% | 3.21% | 1.33% |
| Residential Therms | 10,771 | 10,771 | 10,831 | 10,771 | 10,771 | 10,771 | 10,831 | 10,963 | 11,480 | 11,700 |
| Commercial Therms | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Industrial Therms | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 15,887 | 15,887 | 15,975 | 15,887 | 15,887 | 15,887 | 15,975 | 16,080 | 16,597 | 16,817 |
| Daily Baseload Therms | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| Peak Day Therms | 113 | 113 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| Therms Per Residential Customer | 979 | 979 | 985 | 979 | 979 | 979 | 985 | 989 | 1,013 | 989 |
| Therms Per Commercial Customer | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Therms Per Industrial Customer | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Residential Customers | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 12 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 14 |

| Yakima Training Center | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.19% | 1.34% | 0.17% | 1.00% | 1.02% | 1.51% | 0.48% | 1.11% | 1.36% |
| Residential Therms | 4,492 | 4,512 | 4,535 | 4,513 | 4,547 | 4,630 | 4,696 | 4,692 | 4,692 | 4,761 |
| Commercial Therms | 358,376 | 359,032 | 363,891 | 364,535 | 368,180 | 371,891 | 377,528 | 379,382 | 383,662 | 388,894 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 362,868 | 363,545 | 368,426 | 369,048 | 372,728 | 376,521 | 382,224 | 384,074 | 388,354 | 393,655 |
| Daily Baseload Therms | 64 | 64 | 65 | 65 | 66 | 67 | 67 | 68 | 69 | 69 |
| Peak Day Therms | 3,945 | 3,985 | 4,063 | 4,104 | 4,144 | 4,222 | 4,262 | 4,303 | 4,382 | 4,421 |
| Therms Per Residential Customer | 181 | 180 | 180 | 179 | 180 | 182 | 182 | 179 | 179 | 181 |
| Therms Per Commercial Customer | 3,727 | 3,724 | 3,745 | 3,720 | 3,719 | 3,719 | 3,738 | 3,719 | 3,722 | 3,724 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 25 | 25 | 25 | 25 | 25 | 26 | 26 | 26 | 26 | 26 |
| Commercial Customers | 96 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 121 | 122 | 122 | 123 | 124 | 126 | 127 | 128 | 129 | 131 |

| Burbank Heights Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.00% | 2.31% | 1.54% | 2.01% | 2.08% | 2.57% | 1.97% | 2.18% | 2.19% |
| Residential Therms | 3,097,191 | 3,178,354 | 3,277,286 | 3,351,506 | 3,441,696 | 3,535,296 | 3,648,144 | 3,731,186 | 3,832,342 | 3,936,018 |
| Commercial Therms | 2,142,028 | 2,152,354 | 2,179,181 | 2,191,159 | 2,214,964 | 2,241,820 | 2,280,404 | 2,301,403 | 2,334,679 | 2,369,023 |
| Industrial Therms | 109,348 | 124,969 | 125,151 | 124,969 | 124,932 | 124,932 | 125,151 | 140,590 | 140,590 | 140,590 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,348,566 | 5,455,677 | 5,581,619 | 5,667,634 | 5,781,592 | 5,902,048 | 6,053,699 | 6,173,179 | 6,307,611 | 6,445,631 |
| Daily Baseload Therms | 5,156 | 5,275 | 5,369 | 5,468 | 5,573 | 5,683 | 5,797 | 5,950 | 6,075 | 6,201 |
| Peak Day Therms | 65,288 | 66,885 | 68,505 | 70,147 | 71,930 | 73,627 | 75,381 | 77,157 | 78,961 | 80,817 |
| Therms Per Residential Customer | 376 | 376 | 377 | 376 | 375 | 375 | 377 | 375 | 375 | 375 |
| Therms Per Commercial Customer | 2,643 | 2,642 | 2,653 | 2,641 | 2,641 | 2,641 | 2,653 | 2,641 | 2,641 | 2,642 |
| Therms Per Industrial Customer | 15,621 | 15,621 | 15,644 | 15,621 | 15,616 | 15,616 | 15,644 | 15,621 | 15,621 | 15,621 |
| Residential Customers | 8,246 | 8,463 | 8,689 | 8,925 | 9,167 | 9,417 | 9,674 | 9,937 | 10,207 | 10,483 |
| Commercial Customers | 811 | 815 | 822 | 830 | 839 | 849 | 860 | 871 | 884 | 897 |
| Industrial Customers | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 9,064 | 9,286 | 9,519 | 9,762 | 10,014 | 10,274 | 10,542 | 10,818 | 11,100 | 11,389 |

| East Stanwood Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.03% | 0.57% | -0.17% | 0.30% | 0.33% | 0.81% | 0.02% | 0.46% | 0.49% |
| Residential Therms | 5,338,009 | 5,381,672 | 5,456,699 | 5,492,121 | 5,554,156 | 5,620,302 | 5,713,757 | 5,761,818 | 5,835,913 | 5,912,374 |
| Commercial Therms | 3,538,364 | 3,497,966 | 3,475,841 | 3,425,647 | 3,392,077 | 3,357,508 | 3,339,439 | 3,294,152 | 3,263,966 | 3,234,561 |
| Industrial Therms | 430,719 | 430,719 | 431,855 | 430,719 | 430,654 | 430,654 | 431,855 | 430,719 | 430,719 | 430,719 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 9,409,113 | 9,412,377 | 9,466,415 | 9,450,508 | 9,478,908 | 9,510,485 | 9,587,071 | 9,588,710 | 9,632,618 | 9,679,674 |
| Daily Baseload Therms | 9,933 | 9,929 | 9,936 | 9,947 | 9,966 | 9,983 | 10,008 | 10,035 | 10,064 | 10,094 |
| Peak Day Therms | 82,762 | 83,792 | 84,812 | 85,805 | 86,810 | 87,838 | 88,873 | 90,671 | 91,696 | 92,734 |
| Therms Per Residential Customer | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 |
| Therms Per Commercial Customer | 3,874 | 3,873 | 3,889 | 3,873 | 3,873 | 3,872 | 3,888 | 3,872 | 3,873 | 3,873 |
| Therms Per Industrial Customer | 107,680 | 107,680 | 107,964 | 107,680 | 107,664 | 107,664 | 107,964 | 107,680 | 107,680 | 107,680 |
| Residential Customers | 8,022 | 8,088 | 8,167 | 8,255 | 8,349 | 8,449 | 8,553 | 8,661 | 8,773 | 8,888 |
| Commercial Customers | 913 | 903 | 894 | 885 | 876 | 867 | 859 | 851 | 843 | 835 |
| Industrial Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,940 | 8,996 | 9,066 | 9,144 | 9,230 | 9,321 | 9,417 | 9,517 | 9,621 | 9,728 |

| Kennewick Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.18% | 2.43% | 1.84% | 2.28% | 2.27% | 2.67% | 1.77% | 1.98% | 2.16% |
| Residential Therms | 9,127,187 | 9,364,471 | 9,659,650 | 9,879,858 | 10,147,712 | 10,420,848 | 10,745,036 | 10,978,010 | 11,260,104 | 11,544,419 |
| Commercial Therms | 10,324,889 | 10,520,102 | 10,765,707 | 10,935,702 | 11,149,089 | 11,367,378 | 11,632,742 | 11,809,701 | 12,033,156 | 12,258,837 |
| Industrial Therms | 153,145 | 153,145 | 105,302 | 97,701 | 97,673 | 97,673 | 98,765 | 90,954 | 42,257 | 42,257 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 19,840,183 | 20,272,680 | 20,765,621 | 21,148,223 | 21,629,436 | 22,120,861 | 22,711,505 | 23,113,627 | 23,570,479 | 24,080,476 |
| Daily Baseload Therms | 18,728 | 19,126 | 19,455 | 19,884 | 20,322 | 20,768 | 21,216 | 21,671 | 22,039 | 22,498 |
| Peak Day Therms | 257,942 | 265,180 | 272,367 | 279,612 | 286,799 | 294,037 | 301,762 | 308,956 | 316,194 | 323,381 |
| Therms Per Residential Customer | 603 | 603 | 606 | 603 | 603 | 603 | 606 | 603 | 603 | 603 |
| Therms Per Commercial Customer | 4,307 | 4,307 | 4,323 | 4,306 | 4,305 | 4,305 | 4,322 | 4,305 | 4,305 | 4,305 |
| Therms Per Industrial Customer | 21,878 | 21,878 | 17,310 | 16,284 | 16,279 | 16,279 | 16,461 | 15,372 | 8,451 | 8,451 |
| Residential Customers | 15,125 | 15,521 | 15,942 | 16,378 | 16,824 | 17,278 | 17,738 | 18,203 | 18,672 | 19,144 |
| Commercial Customers | 2,397 | 2,443 | 2,490 | 2,540 | 2,590 | 2,640 | 2,692 | 2,743 | 2,795 | 2,848 |
| Industrial Customers | 7 | 7 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 17,530 | 17,971 | 18,439 | 18,925 | 19,421 | 19,926 | 20,437 | 20,953 | 21,473 | 21,998 |

| Longview South Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.19% | 0.85% | 0.21% | 1.14% | 0.83% | 1.36% | 0.57% | 1.45% | 1.11% |
| Residential Therms | 730,255 | 730,099 | 736,556 | 738,634 | 745,038 | 752,820 | 764,791 | 770,856 | 780,793 | 791,391 |
| Commercial Therms | 2,983,721 | 2,991,421 | 3,017,829 | 3,025,155 | 3,046,858 | 3,072,890 | 3,115,226 | 3,134,075 | 3,167,097 | 3,203,320 |
| Industrial Therms | 155,401 | 155,401 | 156,427 | 155,401 | 172,967 | 172,967 | 174,150 | 173,051 | 190,701 | 190,701 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 3,961,077 | 3,968,621 | 4,002,512 | 4,010,890 | 4,056,564 | 4,090,377 | 4,145,868 | 4,169,682 | 4,230,292 | 4,277,113 |
| Daily Baseload Therms | 3,628 | 3,635 | 3,655 | 3,675 | 3,721 | 3,753 | 3,790 | 3,827 | 3,885 | 3,926 |
| Peak Day Therms | 42,423 | 42,963 | 43,542 | 44,295 | 44,878 | 45,497 | 46,120 | 46,746 | 47,582 | 48,283 |
| Therms Per Residential Customer | 399 | 399 | 400 | 398 | 398 | 398 | 400 | 398 | 398 | 398 |
| Therms Per Commercial Customer | 3,449 | 3,449 | 3,462 | 3,448 | 3,446 | 3,446 | 3,461 | 3,447 | 3,447 | 3,446 |
| Therms Per Industrial Customer | 11,100 | 11,100 | 11,173 | 11,100 | 11,531 | 11,531 | 11,610 | 11,537 | 11,919 | 11,919 |
| Residential Customers | 1,832 | 1,832 | 1,841 | 1,854 | 1,871 | 1,890 | 1,912 | 1,935 | 1,960 | 1,987 |
| Commercial Customers | 865 | 867 | 872 | 877 | 884 | 892 | 900 | 909 | 919 | 930 |
| Industrial Customers | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 16 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,712 | 2,714 | 2,727 | 2,746 | 2,771 | 2,798 | 2,828 | 2,861 | 2,896 | 2,934 |

| Sedro-Woolley Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.94% | 1.34% | 0.56% | 1.05% | 1.03% | 1.49% | 0.70% | 1.08% | 1.14% |
| Residential Therms | 17,144,720 | 17,302,531 | 17,533,319 | 17,625,517 | 17,795,847 | 17,973,965 | 18,236,727 | 18,348,491 | 18,542,617 | 18,741,777 |
| Commercial Therms | 9,275,009 | 9,319,290 | 9,416,775 | 9,446,246 | 9,517,952 | 9,594,963 | 9,716,381 | 9,759,470 | 9,844,700 | 9,931,552 |
| Industrial Therms | 1,322,209 | 1,379,697 | 1,427,816 | 1,465,928 | 1,523,220 | 1,566,330 | 1,615,307 | 1,667,134 | 1,710,249 | 1,767,737 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 27,741,939 | 28,001,518 | 28,377,910 | 28,537,691 | 28,837,018 | 29,135,257 | 29,568,415 | 29,775,095 | 30,097,565 | 30,441,066 |
| Daily Baseload Therms | 24,016 | 24,282 | 24,535 | 24,804 | 25,104 | 25,390 | 25,683 | 26,007 | 26,310 | 26,647 |
| Peak Day Therms | 271,749 | 275,113 | 278,434 | 281,761 | 285,264 | 288,705 | 292,157 | 295,786 | 299,346 | 303,034 |
| Therms Per Residential Customer | 680 | 680 | 682 | 680 | 679 | 679 | 682 | 679 | 679 | 679 |
| Therms Per Commercial Customer | 2,897 | 2,897 | 2,908 | 2,896 | 2,896 | 2,896 | 2,908 | 2,896 | 2,896 | 2,896 |
| Therms Per Industrial Customer | 14,372 | 14,372 | 14,422 | 14,372 | 14,370 | 14,370 | 14,422 | 14,372 | 14,372 | 14,372 |
| Residential Customers | 25,229 | 25,461 | 25,692 | 25,938 | 26,192 | 26,454 | 26,725 | 27,003 | 27,290 | 27,583 |
| Commercial Customers | 3,202 | 3,217 | 3,238 | 3,261 | 3,287 | 3,313 | 3,341 | 3,370 | 3,399 | 3,429 |
| Industrial Customers | 92 | 96 | 99 | 102 | 106 | 109 | 112 | 116 | 119 | 123 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 28,522 | 28,774 | 29,029 | 29,301 | 29,584 | 29,876 | 30,178 | 30,489 | 30,808 | 31,136 |

| Sumas SPE Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.06% | 1.59% | 0.86% | 1.33% | 1.39% | 1.85% | 1.10% | 1.52% | 1.55% |
| Residential Therms | 30,796,617 | 31,098,289 | 31,560,019 | 31,787,915 | 32,162,588 | 32,556,046 | 33,102,472 | 33,391,432 | 33,829,472 | 34,281,117 |
| Commercial Therms | 15,277,524 | 15,435,308 | 15,687,490 | 15,839,967 | 16,075,072 | 16,329,133 | 16,667,145 | 16,890,161 | 17,194,566 | 17,513,965 |
| Industrial Therms | 1,085,235 | 1,124,772 | 1,168,055 | 1,203,750 | 1,243,283 | 1,282,910 | 1,326,709 | 1,377,384 | 1,419,293 | 1,458,720 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 47,159,376 | 47,658,369 | 48,415,564 | 48,831,632 | 49,480,942 | 50,168,090 | 51,096,326 | 51,658,977 | 52,443,332 | 53,253,802 |
| Daily Baseload Therms | 42,960 | 43,405 | 43,915 | 44,470 | 45,067 | 45,695 | 46,363 | 47,061 | 47,789 | 48,550 |
| Peak Day Therms | 477,546 | 484,630 | 491,917 | 499,485 | 507,255 | 515,271 | 523,511 | 532,012 | 540,736 | 549,684 |
| Therms Per Residential Customer | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 |
| Therms Per Commercial Customer | 3,032 | 3,031 | 3,043 | 3,031 | 3,031 | 3,031 | 3,043 | 3,031 | 3,030 | 3,030 |
| Therms Per Industrial Customer | 19,761 | 19,762 | 19,826 | 19,761 | 19,761 | 19,762 | 19,826 | 19,747 | 19,758 | 19,757 |
| Residential Customers | 43,481 | 43,908 | 44,379 | 44,884 | 45,417 | 45,974 | 46,554 | 47,154 | 47,773 | 48,412 |
| Commercial Customers | 5,039 | 5,092 | 5,155 | 5,226 | 5,304 | 5,388 | 5,478 | 5,573 | 5,674 | 5,780 |
| Industrial Customers | 55 | 57 | 59 | 61 | 63 | 65 | 67 | 70 | 72 | 74 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 48,575 | 49,057 | 49,593 | 50,171 | 50,784 | 51,427 | 52,099 | 52,797 | 53,519 | 54,266 |

| Yakima Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.44% | 1.01% | 0.30% | 0.79% | 0.82% | 1.39% | 0.56% | 0.95% | 1.06% |
| Residential Therms | 12,142,123 | 12,204,725 | 12,331,459 | 12,357,518 | 12,442,847 | 12,537,605 | 12,696,521 | 12,748,716 | 12,862,271 | 12,981,228 |
| Commercial Therms | 11,918,380 | 11,984,216 | 12,120,761 | 12,169,099 | 12,278,945 | 12,398,669 | 12,582,144 | 12,666,456 | 12,809,820 | 12,960,684 |
| Industrial Therms | 2,724,801 | 2,714,631 | 2,724,961 | 2,732,767 | 2,754,146 | 2,765,345 | 2,811,055 | 2,833,112 | 2,846,012 | 2,880,561 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 26,994,771 | 27,113,038 | 27,386,648 | 27,468,850 | 27,685,405 | 27,911,085 | 28,299,186 | 28,457,751 | 28,727,570 | 29,031,940 |
| Daily Baseload Therms | 19,963 | 20,040 | 20,145 | 20,273 | 20,466 | 20,618 | 20,836 | 21,008 | 21,244 | 21,488 |
| Peak Day Therms | 289,599 | 292,860 | 296,137 | 299,812 | 303,262 | 306,835 | 310,820 | 314,596 | 318,814 | 322,741 |
| Therms Per Residential Customer | 666 | 667 | 670 | 667 | 666 | 666 | 669 | 666 | 666 | 666 |
| Therms Per Commercial Customer | 3,572 | 3,572 | 3,587 | 3,571 | 3,571 | 3,570 | 3,586 | 3,570 | 3,570 | 3,570 |
| Therms Per Industrial Customer | 37,241 | 37,187 | 37,328 | 37,180 | 37,218 | 37,202 | 37,439 | 37,319 | 37,284 | 37,369 |
| Residential Customers | 18,227 | 18,309 | 18,416 | 18,540 | 18,674 | 18,820 | 18,975 | 19,139 | 19,311 | 19,492 |
| Commercial Customers | 3,336 | 3,355 | 3,380 | 3,408 | 3,439 | 3,473 | 3,509 | 3,548 | 3,588 | 3,631 |
| Industrial Customers | 73 | 73 | 73 | 74 | 74 | 74 | 75 | 76 | 76 | 77 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 21,638 | 21,739 | 21,871 | 22,023 | 22,189 | 22,369 | 22,561 | 22,764 | 22,978 | 23,202 |

| Zone 10 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.61% | 0.98% | 0.15% | 1.01% | 1.09% | 1.52% | 0.54% | 0.99% | 1.07% |
| Residential Therms | 3,010,107 | 3,030,929 | 3,068,206 | 3,080,205 | 3,107,005 | 3,136,084 | 3,181,789 | 3,200,036 | 3,234,534 | 3,269,724 |
| Commercial Therms | 4,868,105 | 4,904,030 | 4,964,110 | 4,990,188 | 5,037,962 | 5,091,946 | 5,173,192 | 5,212,059 | 5,275,324 | 5,342,700 |
| Industrial Therms | 1,353,851 | 1,353,851 | 1,348,425 | 1,324,654 | 1,345,441 | 1,366,461 | 1,385,889 | 1,381,809 | 1,381,809 | 1,386,203 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 9,299,194 | 9,355,941 | 9,447,871 | 9,462,178 | 9,557,538 | 9,661,621 | 9,808,001 | 9,861,034 | 9,958,797 | 10,065,758 |
| Daily Baseload Therms | 9,745 | 9,786 | 9,846 | 9,873 | 9,945 | 10,076 | 10,216 | 10,294 | 10,389 | 10,472 |
| Peak Day Therms | 96,702 | 97,817 | 99,171 | 100,328 | 101,706 | 103,092 | 104,329 | 106,025 | 107,412 | 108,920 |
| Therms Per Residential Customer | 586 | 587 | 589 | 587 | 586 | 586 | 589 | 586 | 586 | 586 |
| Therms Per Commercial Customer | 3,587 | 3,587 | 3,601 | 3,586 | 3,584 | 3,583 | 3,599 | 3,584 | 3,583 | 3,583 |
| Therms Per Industrial Customer | 26,546 | 26,546 | 26,526 | 26,405 | 26,424 | 26,448 | 26,652 | 26,573 | 26,573 | 26,615 |
| Residential Customers | 5,133 | 5,166 | 5,206 | 5,251 | 5,299 | 5,350 | 5,404 | 5,460 | 5,519 | 5,580 |
| Commercial Customers | 1,357 | 1,367 | 1,379 | 1,392 | 1,406 | 1,421 | 1,437 | 1,454 | 1,472 | 1,491 |
| Industrial Customers | 51 | 51 | 51 | 50 | 51 | 52 | 52 | 52 | 52 | 52 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,542 | 6,585 | 6,637 | 6,694 | 6,757 | 6,824 | 6,894 | 6,967 | 7,044 | 7,124 |

| Zone 11 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.14% | 0.75% | 0.13% | 0.53% | 0.57% | 1.12% | 0.32% | 0.73% | 0.86% |
| Residential Therms | 13,737,940 | 13,779,895 | 13,894,434 | 13,898,046 | 13,967,633 | 14,048,438 | 14,200,309 | 14,233,627 | 14,335,151 | 14,442,334 |
| Commercial Therms | 18,638,124 | 18,676,715 | 18,832,959 | 18,853,828 | 18,971,458 | 19,105,957 | 19,331,569 | 19,411,593 | 19,583,672 | 19,770,883 |
| Industrial Therms | 3,876,464 | 3,845,705 | 3,847,510 | 3,871,998 | 3,879,047 | 3,872,982 | 3,913,133 | 3,919,471 | 3,920,107 | 3,952,474 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 36,461,995 | 36,511,782 | 36,784,370 | 36,833,339 | 37,027,605 | 37,236,843 | 37,654,478 | 37,774,158 | 38,048,397 | 38,375,158 |
| Daily Baseload Therms | 34,328 | 34,285 | 34,291 | 34,445 | 34,601 | 34,679 | 34,881 | 34,972 | 35,202 | 35,454 |
| Peak Day Therms | 349,718 | 353,047 | 356,256 | 359,757 | 363,154 | 366,842 | 370,727 | 374,503 | 378,601 | 382,607 |
| Therms Per Residential Customer | 649 | 649 | 653 | 650 | 650 | 651 | 654 | 651 | 652 | 652 |
| Therms Per Commercial Customer | 4,094 | 4,089 | 4,102 | 4,082 | 4,079 | 4,076 | 4,090 | 4,071 | 4,069 | 4,067 |
| Therms Per Industrial Customer | 37,364 | 37,428 | 37,721 | 37,806 | 37,906 | 37,970 | 38,208 | 38,146 | 38,183 | 38,250 |
| Residential Customers | 21,182 | 21,218 | 21,286 | 21,373 | 21,473 | 21,587 | 21,712 | 21,848 | 21,993 | 22,147 |
| Commercial Customers | 4,553 | 4,567 | 4,591 | 4,619 | 4,651 | 4,688 | 4,727 | 4,768 | 4,813 | 4,861 |
| Industrial Customers | 104 | 103 | 102 | 102 | 102 | 102 | 102 | 103 | 103 | 103 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 25,841 | 25,891 | 25,981 | 26,096 | 26,229 | 26,379 | 26,543 | 26,721 | 26,910 | 27,113 |

| Zone 20 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.89% | 2.35% | 1.62% | 2.15% | 2.04% | 2.58% | 1.64% | 2.01% | 2.02% |
| Residential Therms | 15,578,181 | 15,962,142 | 16,441,146 | 16,793,799 | 17,227,644 | 17,673,447 | 18,208,796 | 18,591,391 | 19,060,691 | 19,537,190 |
| Commercial Therms | 15,480,441 | 15,690,440 | 15,983,839 | 16,168,783 | 16,429,222 | 16,694,085 | 17,033,635 | 17,244,622 | 17,530,224 | 17,818,782 |
| Industrial Therms | 785,595 | 801,216 | 799,671 | 805,395 | 843,968 | 843,968 | 886,863 | 892,025 | 882,202 | 882,193 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 32,236,981 | 32,846,562 | 33,617,421 | 34,160,741 | 34,893,598 | 35,604,264 | 36,522,058 | 37,120,802 | 37,865,881 | 38,630,930 |
| Daily Baseload Therms | 29,798 | 30,353 | 30,900 | 31,478 | 32,154 | 32,773 | 33,479 | 34,143 | 34,789 | 35,450 |
| Peak Day Therms | 438,537 | 449,595 | 460,345 | 471,574 | 482,628 | 494,110 | 506,059 | 517,224 | 528,654 | 540,295 |
| Therms Per Residential Customer | 589 | 589 | 591 | 588 | 588 | 588 | 591 | 588 | 588 | 588 |
| Therms Per Commercial Customer | 4,180 | 4,181 | 4,199 | 4,183 | 4,185 | 4,185 | 4,203 | 4,187 | 4,188 | 4,188 |
| Therms Per Industrial Customer | 23,806 | 23,565 | 23,291 | 23,066 | 23,498 | 23,498 | 24,023 | 23,578 | 23,267 | 23,267 |
| Residential Customers | 26,467 | 27,123 | 27,817 | 28,540 | 29,283 | 30,042 | 30,816 | 31,604 | 32,404 | 33,217 |
| Commercial Customers | 3,703 | 3,753 | 3,807 | 3,865 | 3,926 | 3,989 | 4,053 | 4,119 | 4,186 | 4,255 |
| Industrial Customers | 33 | 34 | 34 | 35 | 36 | 36 | 37 | 38 | 38 | 38 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 30,205 | 30,911 | 31,661 | 32,442 | 33,247 | 34,069 | 34,908 | 35,762 | 36,630 | 37,511 |

| Zone 24 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.37% | 1.39% | 0.25% | 1.06% | 0.79% | 1.57% | 0.52% | 1.31% | 0.90% |
| Residential Therms | 3,838,031 | 3,816,502 | 3,821,251 | 3,794,666 | 3,788,836 | 3,786,357 | 3,804,298 | 3,787,919 | 3,791,145 | 3,795,610 |
| Commercial Therms | 3,751,686 | 3,722,669 | 3,718,564 | 3,689,435 | 3,678,293 | 3,670,996 | 3,681,978 | 3,663,098 | 3,661,756 | 3,661,842 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,352,507 | 9,387,560 | 9,518,130 | 9,542,204 | 9,643,744 | 9,720,282 | 9,872,531 | 9,924,182 | 10,054,579 | 10,144,696 |
| Daily Baseload Therms | 8,089 | 8,333 | 8,452 | 8,712 | 8,838 | 9,108 | 9,244 | 9,518 | 9,657 | 9,934 |
| Peak Day Therms | 110,115 | 111,194 | 112,962 | 114,061 | 115,829 | 116,966 | 118,779 | 119,891 | 121,723 | 122,873 |
| Therms Per Residential Customer | 568 | 568 | 570 | 568 | 568 | 568 | 571 | 569 | 569 | 569 |
| Therms Per Commercial Customer | 2,739 | 2,738 | 2,749 | 2,737 | 2,736 | 2,736 | 2,748 | 2,735 | 2,735 | 2,734 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 6,762 | 6,723 | 6,698 | 6,681 | 6,670 | 6,663 | 6,660 | 6,660 | 6,663 | 6,668 |
| Commercial Customers | 1,370 | 1,359 | 1,353 | 1,348 | 1,344 | 1,342 | 1,340 | 1,339 | 1,339 | 1,339 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,159 | 8,111 | 8,081 | 8,061 | 8,047 | 8,039 | 8,036 | 8,037 | 8,041 | 8,048 |

| Zone 26 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.17% | 0.79% | 0.68% | 1.50% | 0.78% | 1.21% | 0.52% | 1.13% | 1.43% |
| Residential Therms | 1,360,051 | 1,360,159 | 1,371,935 | 1,376,049 | 1,387,874 | 1,402,536 | 1,424,866 | 1,436,413 | 1,454,869 | 1,474,434 |
| Commercial Therms | 4,167,244 | 4,178,175 | 4,214,495 | 4,257,579 | 4,298,250 | 4,335,659 | 4,391,127 | 4,418,093 | 4,459,245 | 4,509,627 |
| Industrial Therms | 831,039 | 831,039 | 833,994 | 831,039 | 877,073 | 877,073 | 880,594 | 877,476 | 895,126 | 923,913 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,450,034 | 6,461,073 | 6,512,125 | 6,556,367 | 6,654,897 | 6,706,968 | 6,788,287 | 6,823,682 | 6,900,940 | 6,999,675 |
| Daily Baseload Therms | 7,741 | 7,765 | 7,790 | 7,821 | 7,945 | 8,099 | 8,147 | 8,216 | 8,290 | 8,425 |
| Peak Day Therms | 62,066 | 62,831 | 63,629 | 64,763 | 65,836 | 66,673 | 67,565 | 68,458 | 69,696 | 70,675 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,605 | 3,605 | 3,618 | 3,632 | 3,641 | 3,636 | 3,650 | 3,633 | 3,631 | 3,628 |
| Therms Per Industrial Customer | 27,701 | 27,701 | 27,800 | 27,701 | 27,409 | 27,409 | 27,519 | 27,421 | 27,125 | 27,174 |
| Residential Customers | 2,675 | 2,676 | 2,688 | 2,708 | 2,732 | 2,761 | 2,793 | 2,827 | 2,863 | 2,902 |
| Commercial Customers | 1,156 | 1,159 | 1,165 | 1,172 | 1,181 | 1,192 | 1,203 | 1,216 | 1,228 | 1,243 |
| Industrial Customers | 30 | 30 | 30 | 30 | 32 | 32 | 32 | 32 | 33 | 34 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,862 | 3,866 | 3,884 | 3,911 | 3,946 | 3,986 | 4,029 | 4,076 | 4,125 | 4,180 |

| Zone 30-S | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.40% | 0.67% | 0.26% | 0.78% | 0.85% | 1.30% | 0.50% | 0.99% | 1.03% |
| Residential Therms | 23,628,094 | 23,786,643 | 24,078,493 | 24,193,770 | 24,424,957 | 24,672,072 | 25,037,694 | 25,206,718 | 25,490,418 | 25,784,619 |
| Commercial Therms | 14,139,457 | 14,165,316 | 14,270,436 | 14,286,532 | 14,371,179 | 14,470,918 | 14,639,542 | 14,704,903 | 14,836,219 | 14,979,504 |
| Industrial Therms | 730,682 | 704,928 | 575,148 | 547,295 | 547,233 | 547,233 | 549,309 | 521,541 | 521,541 | 521,541 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 39,920,690 | 40,079,345 | 40,346,534 | 40,450,055 | 40,765,826 | 41,112,681 | 41,649,002 | 41,855,619 | 42,270,636 | 42,708,121 |
| Daily Baseload Therms | 38,708 | 38,799 | 38,711 | 38,898 | 39,171 | 39,466 | 39,785 | 40,071 | 40,427 | 40,811 |
| Peak Day Therms | 379,578 | 383,790 | 387,564 | 392,080 | 396,727 | 401,528 | 406,293 | 411,364 | 416,540 | 421,883 |
| Therms Per Residential Customer | 672 | 672 | 674 | 672 | 672 | 671 | 674 | 671 | 671 | 671 |
| Therms Per Commercial Customer | 3,869 | 3,867 | 3,881 | 3,864 | 3,861 | 3,859 | 3,873 | 3,856 | 3,853 | 3,852 |
| Therms Per Industrial Customer | 29,034 | 29,169 | 25,097 | 24,877 | 24,874 | 24,874 | 25,064 | 24,835 | 24,835 | 24,835 |
| Residential Customers | 35,168 | 35,409 | 35,699 | 36,023 | 36,373 | 36,744 | 37,135 | 37,544 | 37,970 | 38,411 |
| Commercial Customers | 3,654 | 3,663 | 3,677 | 3,698 | 3,722 | 3,750 | 3,780 | 3,814 | 3,850 | 3,889 |
| Industrial Customers | 25 | 24 | 23 | 22 | 22 | 22 | 22 | 21 | 21 | 21 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 38,849 | 39,098 | 39,401 | 39,744 | 40,119 | 40,518 | 40,939 | 41,381 | 41,843 | 42,323 |

| Zone 30-W | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.93% | 1.41% | 0.68% | 1.16% | 1.18% | 1.66% | 0.89% | 1.30% | 1.34% |
| Residential Therms | 57,214,640 | 57,771,076 | 58,605,003 | 59,002,151 | 59,681,314 | 60,383,265 | 61,382,670 | 61,884,059 | 62,664,764 | 63,478,663 |
| Commercial Therms | 30,118,292 | 30,297,775 | 30,658,295 | 30,813,145 | 31,112,775 | 31,434,600 | 31,911,541 | 32,153,344 | 32,546,322 | 32,951,029 |
| Industrial Therms | 3,171,920 | 3,280,430 | 3,379,320 | 3,461,689 | 3,570,355 | 3,665,146 | 3,773,818 | 3,892,014 | 3,990,946 | 4,103,133 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 90,606,872 | 91,451,301 | 92,744,638 | 93,379,006 | 94,466,465 | 95,585,031 | 97,170,050 | 98,031,437 | 99,304,053 | 100,634,845 |
| Daily Baseload Therms | 83,225 | 84,036 | 84,889 | 85,819 | 86,858 | 87,886 | 88,998 | 90,149 | 91,340 | 92,607 |
| Peak Day Therms | 895,982 | 908,707 | 921,678 | 934,788 | 948,333 | 962,200 | 976,258 | 991,667 | 1,006,320 | 1,021,601 |
| Therms Per Residential Customer | 701 | 701 | 703 | 700 | 701 | 700 | 704 | 701 | 701 | 701 |
| Therms Per Commercial Customer | 3,080 | 3,078 | 3,089 | 3,076 | 3,074 | 3,072 | 3,083 | 3,070 | 3,069 | 3,067 |
| Therms Per Industrial Customer | 17,524 | 17,449 | 17,464 | 17,359 | 17,290 | 17,241 | 17,252 | 17,145 | 17,098 | 17,043 |
| Residential Customers | 81,667 | 82,460 | 83,312 | 84,230 | 85,196 | 86,204 | 87,252 | 88,337 | 89,456 | 90,609 |
| Commercial Customers | 9,779 | 9,843 | 9,925 | 10,019 | 10,122 | 10,232 | 10,350 | 10,475 | 10,607 | 10,744 |
| Industrial Customers | 181 | 188 | 194 | 199 | 207 | 213 | 219 | 227 | 233 | 241 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 91,628 | 92,492 | 93,432 | 94,449 | 95,526 | 96,649 | 97,822 | 99,040 | 100,297 | 101,595 |

| Zone GTN | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.73% | 2.27% | 1.46% | 1.91% | 1.94% | 2.45% | 1.60% | 1.95% | 1.95% |
| Residential Therms | 30,791,318 | 31,561,051 | 32,496,223 | 33,163,427 | 33,989,591 | 34,835,046 | 35,860,238 | 36,581,689 | 37,477,500 | 38,388,384 |
| Commercial Therms | 19,098,976 | 19,278,675 | 19,578,498 | 19,723,598 | 19,957,948 | 20,202,561 | 20,548,406 | 20,712,908 | 20,965,697 | 21,216,551 |
| Industrial Therms | 2,446,286 | 2,403,964 | 2,380,195 | 2,362,576 | 2,356,834 | 2,359,047 | 2,395,289 | 2,450,262 | 2,469,889 | 2,497,914 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 52,357,517 | 53,264,628 | 54,475,854 | 55,270,537 | 56,325,310 | 57,417,590 | 58,824,871 | 59,765,796 | 60,934,023 | 62,123,787 |
| Daily Baseload Therms | 45,140 | 45,805 | 46,564 | 47,417 | 48,301 | 49,179 | 50,103 | 51,091 | 52,044 | 53,001 |
| Peak Day Therms | 599,032 | 612,786 | 625,590 | 639,394 | 652,744 | 666,629 | 680,253 | 694,383 | 708,734 | 722,658 |
| Therms Per Residential Customer | 737 | 737 | 740 | 737 | 737 | 737 | 741 | 738 | 738 | 738 |
| Therms Per Commercial Customer | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 |
| Therms Per Industrial Customer | 29,772 | 29,679 | 29,629 | 29,379 | 29,217 | 29,124 | 29,211 | 29,199 | 29,058 | 28,933 |
| Residential Customers | 41,806 | 42,834 | 43,895 | 44,983 | 46,097 | 47,235 | 48,399 | 49,585 | 50,794 | 52,025 |
| Commercial Customers | 6,578 | 6,640 | 6,714 | 6,793 | 6,875 | 6,960 | 7,047 | 7,135 | 7,223 | 7,310 |
| Industrial Customers | 82 | 81 | 80 | 80 | 81 | 81 | 82 | 84 | 85 | 86 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 48,467 | 49,556 | 50,690 | 51,857 | 53,054 | 54,277 | 55,530 | 56,805 | 58,103 | 59,422 |

| Zone ME-OR | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.55% | 1.21% | 0.55% | 0.47% | 1.20% | 1.70% | 0.34% | 1.41% | 1.44% |
| Residential Therms | 5,771,476 | 5,781,405 | 5,838,159 | 5,858,071 | 5,915,248 | 5,983,381 | 6,088,118 | 6,146,395 | 6,239,801 | 6,340,827 |
| Commercial Therms | 6,520,536 | 6,502,265 | 6,524,549 | 6,504,095 | 6,514,994 | 6,534,583 | 6,585,805 | 6,587,135 | 6,619,782 | 6,651,740 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 14,219,131 | 14,297,982 | 14,471,177 | 14,550,869 | 14,618,719 | 14,793,633 | 15,044,810 | 15,096,625 | 15,309,873 | 15,530,052 |
| Daily Baseload Therms | 14,313 | 14,475 | 14,666 | 14,883 | 14,941 | 15,184 | 15,431 | 15,527 | 15,807 | 16,083 |
| Peak Day Therms | 171,396 | 173,817 | 176,238 | 178,857 | 180,916 | 183,670 | 186,458 | 188,741 | 191,822 | 194,951 |
| Therms Per Residential Customer | 564 | 564 | 567 | 564 | 564 | 564 | 566 | 564 | 564 | 564 |
| Therms Per Commercial Customer | 3,636 | 3,635 | 3,650 | 3,635 | 3,634 | 3,634 | 3,648 | 3,634 | 3,634 | 3,633 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 10,228 | 10,248 | 10,304 | 10,387 | 10,491 | 10,613 | 10,750 | 10,903 | 11,070 | 11,249 |
| Commercial Customers | 1,794 | 1,789 | 1,788 | 1,790 | 1,793 | 1,798 | 1,805 | 1,813 | 1,822 | 1,831 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 12,053 | 12,069 | 12,126 | 12,211 | 12,318 | 12,447 | 12,592 | 12,752 | 12,929 | 13,119 |

| Zone ME-WA | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.21% | 0.80% | 0.10% | 0.57% | 0.65% | 1.11% | 0.33% | 0.78% | 0.81% |
| Residential Therms | 6,249,632 | 6,268,399 | 6,327,058 | 6,340,898 | 6,386,616 | 6,437,726 | 6,520,211 | 6,551,121 | 6,612,259 | 6,676,139 |
| Commercial Therms | 4,065,712 | 4,072,402 | 4,104,468 | 4,108,333 | 4,132,442 | 4,160,781 | 4,210,178 | 4,226,268 | 4,262,843 | 4,301,466 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,066,229 | 12,091,686 | 12,187,874 | 12,200,116 | 12,269,944 | 12,349,392 | 12,486,737 | 12,528,274 | 12,625,987 | 12,728,490 |
| Daily Baseload Therms | 10,126 | 10,146 | 10,184 | 10,232 | 10,287 | 10,348 | 10,414 | 10,483 | 10,560 | 10,638 |
| Peak Day Therms | 161,581 | 163,287 | 165,008 | 166,745 | 168,539 | 170,356 | 172,221 | 174,102 | 176,048 | 178,009 |
| Therms Per Residential Customer | 578 | 578 | 580 | 578 | 578 | 578 | 580 | 578 | 578 | 578 |
| Therms Per Commercial Customer | 3,248 | 3,248 | 3,261 | 3,247 | 3,247 | 3,246 | 3,260 | 3,246 | 3,246 | 3,246 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 10,816 | 10,850 | 10,906 | 10,977 | 11,057 | 11,146 | 11,241 | 11,343 | 11,449 | 11,560 |
| Commercial Customers | 1,252 | 1,254 | 1,259 | 1,265 | 1,273 | 1,282 | 1,292 | 1,302 | 1,313 | 1,325 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,086 | 12,122 | 12,183 | 12,260 | 12,348 | 12,446 | 12,551 | 12,663 | 12,780 | 12,903 |

| Bellingham Disctrict | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.06% | 1.58% | 0.87% | 1.34% | 1.37% | 1.86% | 1.09% | 1.51% | 1.55% |
| Residential Therms | 31,361,001 | 31,670,569 | 32,134,863 | 32,363,946 | 32,753,386 | 33,149,552 | 33,712,671 | 34,001,497 | 34,443,633 | 34,909,036 |
| Commercial Therms | 15,466,144 | 15,624,142 | 15,879,500 | 16,040,312 | 16,278,317 | 16,532,593 | 16,872,617 | 17,098,763 | 17,409,277 | 17,730,255 |
| Industrial Therms | 1,085,917 | 1,125,454 | 1,168,740 | 1,204,433 | 1,243,965 | 1,283,593 | 1,327,393 | 1,378,067 | 1,419,976 | 1,459,403 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 47,913,063 | 48,420,165 | 49,183,104 | 49,608,692 | 50,275,669 | 50,965,738 | 51,912,681 | 52,478,327 | 53,272,885 | 54,098,695 |
| Daily Baseload Therms | 43,994 | 44,468 | 44,978 | 45,542 | 46,170 | 46,799 | 47,496 | 48,195 | 48,932 | 49,722 |
| Peak Day Therms | 484,117 | 491,311 | 498,761 | 506,342 | 514,141 | 522,390 | 530,664 | 539,327 | 548,078 | 557,273 |
| Therms Per Residential Customer | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 |
| Therms Per Commercial Customer | 3,045 | 3,044 | 3,056 | 3,045 | 3,044 | 3,044 | 3,055 | 3,044 | 3,044 | 3,043 |
| Therms Per Industrial Customer | 19,391 | 19,404 | 19,479 | 19,426 | 19,437 | 19,448 | 19,520 | 19,455 | 19,474 | 19,480 |
| Residential Customers | 43,666 | 44,096 | 44,568 | 45,076 | 45,612 | 46,170 | 46,753 | 47,356 | 47,977 | 48,619 |
| Commercial Customers | 5,080 | 5,132 | 5,196 | 5,268 | 5,347 | 5,432 | 5,522 | 5,618 | 5,719 | 5,826 |
| Industrial Customers | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 71 | 73 | 75 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 48,802 | 49,287 | 49,825 | 50,406 | 51,023 | 51,668 | 52,343 | 53,044 | 53,770 | 54,520 |

| Mount Vernon District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.79% | 1.23% | 0.48% | 0.96% | 0.97% | 1.43% | 0.65% | 1.05% | 1.10% |
| Residential Therms | 25,853,639 | 26,100,507 | 26,470,140 | 26,638,205 | 26,927,928 | 27,233,713 | 27,669,999 | 27,882,562 | 28,221,132 | 28,569,627 |
| Commercial Therms | 14,652,147 | 14,673,632 | 14,778,794 | 14,772,833 | 14,834,458 | 14,902,007 | 15,038,925 | 15,054,581 | 15,137,045 | 15,220,773 |
| Industrial Therms | 2,086,003 | 2,154,976 | 2,210,580 | 2,257,257 | 2,326,390 | 2,381,553 | 2,446,425 | 2,513,947 | 2,570,970 | 2,643,730 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 42,693,810 | 43,031,135 | 43,561,534 | 43,770,314 | 44,190,796 | 44,619,293 | 45,257,369 | 45,553,110 | 46,031,168 | 46,536,151 |
| Daily Baseload Therms | 39,231 | 39,568 | 39,911 | 40,277 | 40,689 | 41,087 | 41,503 | 41,954 | 42,408 | 42,885 |
| Peak Day Therms | 411,865 | 417,396 | 422,917 | 428,446 | 434,192 | 439,811 | 445,594 | 452,339 | 458,242 | 464,328 |
| Therms Per Residential Customer | 680 | 680 | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 680 |
| Therms Per Commercial Customer | 3,118 | 3,115 | 3,125 | 3,110 | 3,107 | 3,104 | 3,115 | 3,100 | 3,097 | 3,095 |
| Therms Per Industrial Customer | 16,688 | 16,577 | 16,559 | 16,426 | 16,326 | 16,247 | 16,228 | 16,098 | 16,019 | 15,942 |
| Residential Customers | 38,001 | 38,364 | 38,744 | 39,154 | 39,584 | 40,033 | 40,500 | 40,981 | 41,478 | 41,990 |
| Commercial Customers | 4,699 | 4,711 | 4,729 | 4,750 | 4,774 | 4,800 | 4,828 | 4,857 | 4,887 | 4,918 |
| Industrial Customers | 125 | 130 | 134 | 137 | 143 | 147 | 151 | 156 | 161 | 166 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 42,826 | 43,205 | 43,607 | 44,043 | 44,502 | 44,981 | 45,479 | 45,995 | 46,527 | 47,075 |

| Bremerton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.68% | 0.85% | 0.53% | 1.00% | 1.06% | 1.51% | 0.75% | 1.19% | 1.23% |
| Residential Therms | 21,263,426 | 21,438,521 | 21,732,189 | 21,866,011 | 22,104,339 | 22,356,173 | 22,714,656 | 22,895,036 | 23,179,556 | 23,473,392 |
| Commercial Therms | 11,023,707 | 11,079,786 | 11,201,910 | 11,255,731 | 11,364,809 | 11,486,413 | 11,662,871 | 11,758,624 | 11,907,691 | 12,067,925 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 34,176,831 | 34,408,005 | 34,701,698 | 34,885,461 | 35,232,868 | 35,606,304 | 36,145,125 | 36,417,379 | 36,850,966 | 37,305,036 |
| Daily Baseload Therms | 32,495 | 32,698 | 32,652 | 32,935 | 33,241 | 33,569 | 33,914 | 34,284 | 34,665 | 35,065 |
| Peak Day Therms | 324,082 | 328,350 | 332,133 | 336,658 | 341,309 | 346,098 | 350,999 | 356,052 | 361,171 | 366,481 |
| Therms Per Residential Customer | 669 | 669 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,733 | 3,732 | 3,746 | 3,732 | 3,731 | 3,731 | 3,746 | 3,731 | 3,731 | 3,731 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 31,804 | 32,069 | 32,376 | 32,711 | 33,071 | 33,448 | 33,844 | 34,255 | 34,682 | 35,123 |
| Commercial Customers | 2,953 | 2,969 | 2,990 | 3,016 | 3,046 | 3,078 | 3,113 | 3,151 | 3,192 | 3,235 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 34,775 | 35,054 | 35,382 | 35,744 | 36,132 | 36,543 | 36,974 | 37,423 | 37,890 | 38,373 |

| Longview District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.18% | 0.81% | 0.14% | 1.35% | 0.81% | 1.25% | 0.55% | 1.17% | 1.48% |
| Residential Therms | 1,360,051 | 1,360,159 | 1,371,935 | 1,376,049 | 1,387,874 | 1,402,536 | 1,424,866 | 1,436,413 | 1,454,869 | 1,474,434 |
| Commercial Therms | 3,972,069 | 3,983,000 | 4,018,803 | 4,026,681 | 4,054,485 | 4,091,894 | 4,146,511 | 4,174,124 | 4,215,276 | 4,265,658 |
| Industrial Therms | 831,039 | 831,039 | 833,994 | 831,039 | 877,073 | 877,073 | 880,594 | 877,476 | 895,126 | 923,913 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,254,859 | 6,265,898 | 6,316,433 | 6,325,469 | 6,411,132 | 6,463,203 | 6,543,672 | 6,579,713 | 6,656,971 | 6,755,706 |
| Daily Baseload Therms | 7,360 | 7,384 | 7,409 | 7,440 | 7,564 | 7,623 | 7,671 | 7,740 | 7,814 | 7,949 |
| Peak Day Therms | 61,193 | 61,958 | 62,755 | 63,890 | 64,745 | 65,582 | 66,473 | 67,367 | 68,604 | 69,583 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,448 | 3,448 | 3,462 | 3,447 | 3,446 | 3,446 | 3,461 | 3,447 | 3,447 | 3,446 |
| Therms Per Industrial Customer | 27,701 | 27,701 | 27,800 | 27,701 | 27,409 | 27,409 | 27,519 | 27,421 | 27,125 | 27,174 |
| Residential Customers | 2,675 | 2,676 | 2,688 | 2,708 | 2,732 | 2,761 | 2,793 | 2,827 | 2,863 | 2,902 |
| Commercial Customers | 1,152 | 1,155 | 1,161 | 1,168 | 1,177 | 1,188 | 1,198 | 1,211 | 1,223 | 1,238 |
| Industrial Customers | 30 | 30 | 30 | 30 | 32 | 32 | 32 | 32 | 33 | 34 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,858 | 3,862 | 3,880 | 3,907 | 3,942 | 3,981 | 4,024 | 4,071 | 4,120 | 4,175 |

| Aberdeen District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -1.26% | -0.47% | -1.42% | -0.57% | -0.48% | -0.05% | -1.19% | -0.34% | -0.31% |
| Residential Therms | 2,364,668 | 2,348,123 | 2,346,304 | 2,327,759 | 2,320,618 | 2,315,899 | 2,323,037 | 2,311,682 | 2,310,862 | 2,311,227 |
| Commercial Therms | 3,115,750 | 3,085,530 | 3,068,526 | 3,030,801 | 3,006,369 | 2,984,506 | 2,976,672 | 2,946,279 | 2,928,528 | 2,911,579 |
| Industrial Therms | 263,441 | 237,687 | 230,007 | 206,034 | 205,972 | 205,972 | 204,168 | 180,280 | 180,280 | 180,280 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,743,859 | 5,671,340 | 5,644,836 | 5,564,593 | 5,532,959 | 5,506,377 | 5,503,877 | 5,438,241 | 5,419,670 | 5,403,085 |
| Daily Baseload Therms | 6,213 | 6,101 | 6,058 | 5,963 | 5,930 | 5,897 | 5,872 | 5,787 | 5,763 | 5,746 |
| Peak Day Therms | 55,496 | 55,440 | 55,431 | 55,421 | 55,419 | 55,430 | 55,294 | 55,312 | 55,370 | 55,402 |
| Therms Per Residential Customer | 703 | 703 | 706 | 703 | 703 | 703 | 706 | 703 | 703 | 703 |
| Therms Per Commercial Customer | 4,446 | 4,447 | 4,464 | 4,447 | 4,446 | 4,446 | 4,463 | 4,447 | 4,447 | 4,447 |
| Therms Per Industrial Customer | 25,912 | 25,929 | 25,795 | 25,754 | 25,746 | 25,746 | 25,790 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,363 | 3,340 | 3,324 | 3,311 | 3,302 | 3,295 | 3,291 | 3,289 | 3,288 | 3,288 |
| Commercial Customers | 701 | 694 | 687 | 682 | 676 | 671 | 667 | 663 | 659 | 655 |
| Industrial Customers | 10 | 9 | 9 | 8 | 8 | 8 | 8 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,074 | 4,043 | 4,020 | 4,001 | 3,986 | 3,975 | 3,966 | 3,958 | 3,953 | 3,950 |

| Kennewick District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.07% | 2.38% | 1.84% | 2.23% | 2.19% | 2.62% | 1.78% | 2.03% | 2.16% |
| Residential Therms | 14,948,052 | 15,338,947 | 15,821,150 | 16,181,614 | 16,620,483 | 17,070,760 | 17,607,517 | 17,996,819 | 18,469,900 | 18,950,081 |
| Commercial Therms | 14,594,151 | 14,812,932 | 15,109,655 | 15,338,103 | 15,616,102 | 15,884,709 | 16,223,262 | 16,439,257 | 16,727,012 | 17,017,015 |
| Industrial Therms | 369,162 | 384,784 | 337,279 | 329,340 | 329,284 | 329,284 | 330,742 | 338,213 | 289,517 | 289,517 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 30,146,327 | 30,771,624 | 31,503,045 | 32,084,019 | 32,800,830 | 33,519,715 | 34,396,482 | 35,009,251 | 35,721,391 | 36,491,575 |
| Daily Baseload Therms | 27,361 | 27,929 | 28,409 | 28,995 | 29,598 | 30,320 | 30,952 | 31,623 | 32,190 | 32,854 |
| Peak Day Therms | 391,561 | 402,046 | 412,522 | 423,203 | 434,109 | 444,806 | 456,153 | 466,924 | 477,928 | 488,914 |
| Therms Per Residential Customer | 588 | 588 | 590 | 588 | 588 | 588 | 590 | 588 | 588 | 588 |
| Therms Per Commercial Customer | 4,263 | 4,262 | 4,279 | 4,272 | 4,275 | 4,273 | 4,289 | 4,272 | 4,271 | 4,270 |
| Therms Per Industrial Customer | 23,073 | 22,634 | 20,971 | 20,584 | 20,580 | 20,580 | 20,671 | 19,993 | 18,095 | 18,095 |
| Residential Customers | 25,427 | 26,094 | 26,799 | 27,530 | 28,280 | 29,047 | 29,829 | 30,623 | 31,429 | 32,248 |
| Commercial Customers | 3,424 | 3,475 | 3,531 | 3,591 | 3,653 | 3,717 | 3,782 | 3,849 | 3,917 | 3,986 |
| Industrial Customers | 16 | 17 | 16 | 16 | 16 | 16 | 16 | 17 | 16 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 28,868 | 29,588 | 30,347 | 31,138 | 31,950 | 32,782 | 33,628 | 34,489 | 35,363 | 36,250 |

| Walla Walla District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.21% | 0.80% | 0.10% | 0.57% | 0.65% | 1.11% | 0.33% | 0.78% | 0.81% |
| Residential Therms | 6,249,632 | 6,268,399 | 6,327,058 | 6,340,898 | 6,386,616 | 6,437,726 | 6,520,211 | 6,551,121 | 6,612,259 | 6,676,139 |
| Commercial Therms | 4,065,712 | 4,072,402 | 4,104,468 | 4,108,333 | 4,132,442 | 4,160,781 | 4,210,178 | 4,226,268 | 4,262,843 | 4,301,466 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,066,229 | 12,091,686 | 12,187,874 | 12,200,116 | 12,269,944 | 12,349,392 | 12,486,737 | 12,528,274 | 12,625,987 | 12,728,490 |
| Daily Baseload Therms | 10,126 | 10,146 | 10,184 | 10,232 | 10,287 | 10,348 | 10,414 | 10,483 | 10,560 | 10,638 |
| Peak Day Therms | 161,581 | 163,287 | 165,008 | 166,745 | 168,539 | 170,356 | 172,221 | 174,102 | 176,048 | 178,009 |
| Therms Per Residential Customer | 578 | 578 | 580 | 578 | 578 | 578 | 580 | 578 | 578 | 578 |
| Therms Per Commercial Customer | 3,248 | 3,248 | 3,261 | 3,247 | 3,247 | 3,246 | 3,260 | 3,246 | 3,246 | 3,246 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 10,816 | 10,850 | 10,906 | 10,977 | 11,057 | 11,146 | 11,241 | 11,343 | 11,449 | 11,560 |
| Commercial Customers | 1,252 | 1,254 | 1,259 | 1,265 | 1,273 | 1,282 | 1,292 | 1,302 | 1,313 | 1,325 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,086 | 12,122 | 12,183 | 12,260 | 12,348 | 12,446 | 12,551 | 12,663 | 12,780 | 12,903 |

| Wenatchee District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | -0.95% | 0.28% | -0.77% | -0.09% | -0.61% | 0.41% | -0.87% | 0.04% | -0.28% |
| Residential Therms | 1,216,014 | 1,189,487 | 1,170,567 | 1,144,888 | 1,124,466 | 1,105,444 | 1,091,841 | 1,069,798 | 1,052,851 | 1,035,942 |
| Commercial Therms | 4,947,640 | 4,926,403 | 4,928,968 | 4,898,797 | 4,888,114 | 4,880,899 | 4,889,129 | 4,866,003 | 4,858,844 | 4,858,618 |
| Industrial Therms | 896,151 | 875,562 | 911,822 | 912,488 | 937,013 | 919,749 | 954,225 | 937,389 | 963,998 | 961,790 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 7,217,608 | 7,149,255 | 7,169,159 | 7,113,976 | 7,107,396 | 7,063,895 | 7,092,997 | 7,030,993 | 7,033,496 | 7,014,152 |
| Daily Baseload Therms | 12,763 | 12,642 | 12,615 | 12,506 | 12,531 | 12,434 | 12,475 | 12,370 | 12,417 | 12,395 |
| Peak Day Therms | 91,050 | 91,339 | 91,331 | 91,594 | 91,724 | 92,226 | 92,544 | 92,746 | 92,892 | 93,259 |
| Therms Per Residential Customer | 522 | 523 | 526 | 525 | 525 | 526 | 529 | 528 | 529 | 530 |
| Therms Per Commercial Customer | 4,901 | 4,902 | 4,919 | 4,905 | 4,907 | 4,908 | 4,927 | 4,914 | 4,916 | 4,918 |
| Therms Per Industrial Customer | 26,684 | 26,735 | 27,423 | 27,238 | 27,627 | 27,662 | 28,134 | 28,052 | 28,423 | 28,427 |
| Residential Customers | 2,331 | 2,276 | 2,227 | 2,183 | 2,141 | 2,101 | 2,062 | 2,025 | 1,990 | 1,954 |
| Commercial Customers | 1,009 | 1,005 | 1,002 | 999 | 996 | 995 | 992 | 990 | 988 | 988 |
| Industrial Customers | 34 | 33 | 33 | 34 | 34 | 33 | 34 | 33 | 34 | 34 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,375 | 3,314 | 3,263 | 3,216 | 3,172 | 3,129 | 3,090 | 3,050 | 3,013 | 2,977 |

| Yakima District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.39% | 0.94% | 0.28% | 0.78% | 0.83% | 1.37% | 0.51% | 0.94% | 1.03% |
| Residential Therms | 16,162,162 | 16,244,532 | 16,412,070 | 16,445,548 | 16,557,333 | 16,681,765 | 16,891,536 | 16,958,437 | 17,107,624 | 17,263,225 |
| Commercial Therms | 19,640,054 | 19,727,025 | 19,937,977 | 20,006,796 | 20,178,191 | 20,370,145 | 20,670,621 | 20,806,983 | 21,047,333 | 21,300,702 |
| Industrial Therms | 4,750,597 | 4,740,426 | 4,746,505 | 4,760,220 | 4,802,159 | 4,834,378 | 4,900,918 | 4,917,702 | 4,930,602 | 4,969,563 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 40,829,410 | 40,988,581 | 41,373,150 | 41,489,161 | 41,814,280 | 42,162,885 | 42,739,672 | 42,959,720 | 43,362,157 | 43,810,088 |
| Daily Baseload Therms | 34,128 | 34,233 | 34,394 | 34,677 | 34,953 | 35,251 | 35,625 | 35,892 | 36,249 | 36,603 |
| Peak Day Therms | 403,219 | 407,948 | 412,793 | 417,735 | 422,746 | 428,105 | 433,510 | 439,173 | 444,938 | 450,741 |
| Therms Per Residential Customer | 646 | 646 | 649 | 646 | 646 | 646 | 649 | 646 | 646 | 646 |
| Therms Per Commercial Customer | 3,788 | 3,786 | 3,800 | 3,782 | 3,780 | 3,779 | 3,795 | 3,778 | 3,778 | 3,778 |
| Therms Per Industrial Customer | 34,383 | 34,351 | 34,437 | 34,494 | 34,486 | 34,449 | 34,656 | 34,571 | 34,560 | 34,631 |
| Residential Customers | 25,024 | 25,137 | 25,284 | 25,451 | 25,634 | 25,832 | 26,042 | 26,264 | 26,497 | 26,741 |
| Commercial Customers | 5,184 | 5,211 | 5,247 | 5,290 | 5,338 | 5,391 | 5,447 | 5,507 | 5,571 | 5,639 |
| Industrial Customers | 138 | 138 | 138 | 138 | 139 | 140 | 141 | 142 | 143 | 144 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 30,349 | 30,489 | 30,672 | 30,882 | 31,114 | 31,366 | 31,633 | 31,916 | 32,214 | 32,527 |

| Central Oregon (Bend) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.73% | 2.27% | 1.46% | 1.91% | 1.94% | 2.45% | 1.60% | 1.95% | 1.95% |
| Residential Therms | 30,791,318 | 31,561,051 | 32,496,223 | 33,163,427 | 33,989,591 | 34,835,046 | 35,860,238 | 36,581,689 | 37,477,500 | 38,388,384 |
| Commercial Therms | 19,098,976 | 19,278,675 | 19,578,498 | 19,723,598 | 19,957,948 | 20,202,561 | 20,548,406 | 20,712,908 | 20,965,697 | 21,216,551 |
| Industrial Therms | 2,446,286 | 2,403,964 | 2,380,195 | 2,362,576 | 2,356,834 | 2,359,047 | 2,395,289 | 2,450,262 | 2,469,889 | 2,497,914 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 52,357,517 | 53,264,628 | 54,475,854 | 55,270,537 | 56,325,310 | 57,417,590 | 58,824,871 | 59,765,796 | 60,934,023 | 62,123,787 |
| Daily Baseload Therms | 45,140 | 45,805 | 46,564 | 47,417 | 48,301 | 49,179 | 50,103 | 51,091 | 52,044 | 53,001 |
| Peak Day Therms | 599,032 | 612,786 | 625,590 | 639,394 | 652,744 | 666,629 | 680,253 | 694,383 | 708,734 | 722,658 |
| Therms Per Residential Customer | 737 | 737 | 740 | 737 | 737 | 737 | 741 | 738 | 738 | 738 |
| Therms Per Commercial Customer | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 |
| Therms Per Industrial Customer | 29,772 | 29,679 | 29,629 | 29,379 | 29,217 | 29,124 | 29,211 | 29,199 | 29,058 | 28,933 |
| Residential Customers | 41,806 | 42,834 | 43,895 | 44,983 | 46,097 | 47,235 | 48,399 | 49,585 | 50,794 | 52,025 |
| Commercial Customers | 6,578 | 6,640 | 6,714 | 6,793 | 6,875 | 6,960 | 7,047 | 7,135 | 7,223 | 7,310 |
| Industrial Customers | 82 | 81 | 80 | 80 | 81 | 81 | 82 | 84 | 85 | 86 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 48,467 | 49,556 | 50,690 | 51,857 | 53,054 | 54,277 | 55,530 | 56,805 | 58,103 | 59,422 |

| Pendleton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.55% | 1.21% | 0.55% | 0.47% | 1.20% | 1.70% | 0.34% | 1.41% | 1.44% |
| Residential Therms | 5,771,476 | 5,781,405 | 5,838,159 | 5,858,071 | 5,915,248 | 5,983,381 | 6,088,118 | 6,146,395 | 6,239,801 | 6,340,827 |
| Commercial Therms | 6,520,536 | 6,502,265 | 6,524,549 | 6,504,095 | 6,514,994 | 6,534,583 | 6,585,805 | 6,587,135 | 6,619,782 | 6,651,740 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 14,219,131 | 14,297,982 | 14,471,177 | 14,550,869 | 14,618,719 | 14,793,633 | 15,044,810 | 15,096,625 | 15,309,873 | 15,530,052 |
| Daily Baseload Therms | 14,313 | 14,475 | 14,666 | 14,883 | 14,941 | 15,184 | 15,431 | 15,527 | 15,807 | 16,083 |
| Peak Day Therms | 171,396 | 173,817 | 176,238 | 178,857 | 180,916 | 183,670 | 186,458 | 188,741 | 191,822 | 194,951 |
| Therms Per Residential Customer | 564 | 564 | 567 | 564 | 564 | 564 | 566 | 564 | 564 | 564 |
| Therms Per Commercial Customer | 3,636 | 3,635 | 3,650 | 3,635 | 3,634 | 3,634 | 3,648 | 3,634 | 3,634 | 3,633 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 10,228 | 10,248 | 10,304 | 10,387 | 10,491 | 10,613 | 10,750 | 10,903 | 11,070 | 11,249 |
| Commercial Customers | 1,794 | 1,789 | 1,788 | 1,790 | 1,793 | 1,798 | 1,805 | 1,813 | 1,822 | 1,831 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 12,053 | 12,069 | 12,126 | 12,211 | 12,318 | 12,447 | 12,592 | 12,752 | 12,929 | 13,119 |

| Eastern Oregon (Ontario) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.37% | 1.39% | 0.25% | 1.06% | 0.79% | 1.57% | 0.52% | 1.31% | 0.90% |
| Residential Therms | 3,838,031 | 3,816,502 | 3,821,251 | 3,794,666 | 3,788,836 | 3,786,357 | 3,804,298 | 3,787,919 | 3,791,145 | 3,795,610 |
| Commercial Therms | 3,751,686 | 3,722,669 | 3,718,564 | 3,689,435 | 3,678,293 | 3,670,996 | 3,681,978 | 3,663,098 | 3,661,756 | 3,661,842 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,352,507 | 9,387,560 | 9,518,130 | 9,542,204 | 9,643,744 | 9,720,282 | 9,872,531 | 9,924,182 | 10,054,579 | 10,144,696 |
| Daily Baseload Therms | 8,089 | 8,333 | 8,452 | 8,712 | 8,838 | 9,108 | 9,244 | 9,518 | 9,657 | 9,934 |
| Peak Day Therms | 110,115 | 111,194 | 112,962 | 114,061 | 115,829 | 116,966 | 118,779 | 119,891 | 121,723 | 122,873 |
| Therms Per Residential Customer | 568 | 568 | 570 | 568 | 568 | 568 | 571 | 569 | 569 | 569 |
| Therms Per Commercial Customer | 2,739 | 2,738 | 2,749 | 2,737 | 2,736 | 2,736 | 2,748 | 2,735 | 2,735 | 2,734 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 6,762 | 6,723 | 6,698 | 6,681 | 6,670 | 6,663 | 6,660 | 6,660 | 6,663 | 6,668 |
| Commercial Customers | 1,370 | 1,359 | 1,353 | 1,348 | 1,344 | 1,342 | 1,340 | 1,339 | 1,339 | 1,339 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,159 | 8,111 | 8,081 | 8,061 | 8,047 | 8,039 | 8,036 | 8,037 | 8,041 | 8,048 |

| Oregon | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.34% | 1.97% | 1.15% | 1.54% | 1.67% | 2.21% | 1.25% | 1.78% | 1.74% |
| Residential Therms | 40,400,826 | 41,158,959 | 42,155,633 | 42,816,164 | 43,693,676 | 44,604,784 | 45,752,655 | 46,516,003 | 47,508,446 | 48,524,820 |
| Commercial Therms | 29,371,197 | 29,503,609 | 29,821,611 | 29,917,128 | 30,151,235 | 30,408,139 | 30,816,188 | 30,963,141 | 31,247,235 | 31,530,133 |
| Industrial Therms | 3,738,664 | 3,869,135 | 4,069,449 | 4,211,851 | 4,324,394 | 4,500,115 | 4,754,901 | 4,888,991 | 5,124,327 | 5,325,114 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 75,929,155 | 76,950,170 | 78,465,161 | 79,363,610 | 80,587,772 | 81,931,505 | 83,742,212 | 84,786,603 | 86,298,475 | 87,798,535 |
| Daily Baseload Therms | 67,252 | 68,321 | 69,388 | 70,717 | 71,782 | 73,172 | 74,474 | 75,826 | 77,195 | 78,702 |
| Peak Day Therms | 880,543 | 897,798 | 914,790 | 932,312 | 949,489 | 967,265 | 985,489 | 1,003,015 | 1,022,279 | 1,040,482 |
| Therms Per Residential Customer | 11,713 | 11,712 | 11,761 | 11,710 | 11,707 | 11,707 | 11,758 | 11,707 | 11,706 | 11,707 |
| Therms Per Commercial Customer | 66,212 | 66,191 | 66,471 | 66,165 | 66,157 | 66,174 | 66,470 | 66,182 | 66,158 | 66,162 |
| Therms Per Industrial Customer | 291,977 | 300,803 | 310,884 | 315,187 | 317,573 | 322,909 | 330,136 | 329,549 | 334,117 | 337,409 |
| Residential Customers | 58,796 | 59,805 | 60,897 | 62,051 | 63,257 | 64,510 | 65,809 | 67,148 | 68,527 | 69,942 |
| Commercial Customers | 9,741 | 9,789 | 9,854 | 9,931 | 10,013 | 10,100 | 10,193 | 10,287 | 10,384 | 10,480 |
| Industrial Customers | 138 | 139 | 141 | 144 | 145 | 148 | 152 | 155 | 159 | 163 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 68,679 | 69,737 | 70,897 | 72,129 | 73,419 | 74,763 | 76,158 | 77,594 | 79,074 | 80,588 |

| Washington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.77% | 1.24% | 0.60% | 1.11% | 1.11% | 1.60% | 0.79% | 1.22% | 1.28% |
| Residential Therms | 120,778,645 | 121,959,243 | 123,786,275 | 124,684,917 | 126,183,043 | 127,753,568 | 129,956,334 | 131,103,364 | 132,852,686 | 134,663,103 |
| Commercial Therms | 91,477,374 | 91,984,853 | 93,028,602 | 93,478,389 | 94,353,287 | 95,293,946 | 96,690,785 | 97,370,883 | 98,493,849 | 99,673,991 |
| Industrial Therms | 10,952,669 | 11,020,286 | 10,992,648 | 11,045,188 | 11,266,235 | 11,375,980 | 11,598,186 | 11,687,451 | 11,794,847 | 11,972,575 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 227,041,996 | 228,797,691 | 231,640,833 | 233,041,802 | 235,635,873 | 238,256,801 | 242,078,612 | 243,995,007 | 246,974,691 | 250,142,977 |
| Daily Baseload Therms | 213,671 | 215,170 | 216,610 | 218,566 | 220,961 | 223,328 | 225,922 | 228,328 | 230,996 | 233,858 |
| Peak Day Therms | 2,384,164 | 2,419,075 | 2,453,651 | 2,490,035 | 2,526,923 | 2,564,802 | 2,603,452 | 2,643,344 | 2,683,271 | 2,723,990 |
| Therms Per Residential Customer | 35,937 | 35,902 | 36,044 | 35,915 | 35,896 | 35,914 | 36,047 | 35,906 | 35,933 | 35,908 |
| Therms Per Commercial Customer | 192,075 | 192,007 | 192,762 | 200,975 | 202,892 | 193,574 | 192,685 | 192,098 | 191,941 | 191,962 |
| Therms Per Industrial Customer | 756,807 | 756,833 | 748,846 | 747,408 | 748,719 | 748,574 | 752,550 | 748,897 | 743,025 | 743,176 |
| Residential Customers | 183,108 | 184,901 | 186,915 | 189,100 | 191,413 | 193,834 | 196,354 | 198,962 | 201,654 | 204,425 |
| Commercial Customers | 25,454 | 25,605 | 25,803 | 26,029 | 26,281 | 26,553 | 26,842 | 27,148 | 27,469 | 27,808 |
| Industrial Customers | 441 | 447 | 451 | 456 | 467 | 473 | 481 | 490 | 497 | 506 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 209,014 | 210,964 | 213,179 | 215,595 | 218,170 | 220,870 | 223,687 | 226,609 | 229,630 | 232,750 |

| System | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.92% | 1.43% | 0.74% | 1.22% | 1.25% | 1.76% | 0.91% | 1.37% | 1.40% |
| Residential Therms | 161,179,471 | 163,118,202 | 165,941,908 | 167,501,081 | 169,876,718 | 172,358,352 | 175,708,989 | 177,619,367 | 180,361,133 | 183,187,924 |
| Commercial Therms | 120,848,572 | 121,488,462 | 122,850,213 | 123,395,517 | 124,504,522 | 125,702,085 | 127,506,973 | 128,334,024 | 129,741,084 | 131,204,124 |
| Industrial Therms | 14,691,333 | 14,889,421 | 15,062,097 | 15,257,040 | 15,590,629 | 15,876,095 | 16,353,087 | 16,576,442 | 16,919,174 | 17,297,689 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 302,971,151 | 305,747,860 | 310,105,994 | 312,405,413 | 316,223,645 | 320,188,306 | 325,820,824 | 328,781,610 | 333,273,166 | 337,941,513 |
| Daily Baseload Therms | 280,922 | 283,491 | 285,998 | 289,283 | 292,744 | 296,500 | 300,396 | 304,154 | 308,191 | 312,559 |
| Peak Day Therms | 3,264,707 | 3,316,873 | 3,368,441 | 3,422,346 | 3,476,412 | 3,532,067 | 3,588,941 | 3,646,359 | 3,705,550 | 3,764,473 |
| Therms Per Residential Customer | 47,649 | 47,614 | 47,805 | 47,626 | 47,604 | 47,621 | 47,805 | 47,613 | 47,640 | 47,615 |
| Therms Per Commercial Customer | 258,288 | 258,198 | 259,233 | 267,140 | 269,049 | 259,748 | 259,155 | 258,281 | 258,099 | 258,124 |
| Therms Per Industrial Customer | 1,048,784 | 1,057,637 | 1,059,730 | 1,062,595 | 1,066,292 | 1,071,483 | 1,082,686 | 1,078,446 | 1,077,141 | 1,080,585 |
| Residential Customers | 241,904 | 244,706 | 247,812 | 251,151 | 254,670 | 258,344 | 262,163 | 266,111 | 270,181 | 274,368 |
| Commercial Customers | 35,195 | 35,394 | 35,657 | 35,960 | 36,293 | 36,653 | 37,035 | 37,434 | 37,853 | 38,288 |
| Industrial Customers | 579 | 586 | 592 | 600 | 612 | 621 | 633 | 645 | 656 | 669 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 277,693 | 280,700 | 284,075 | 287,724 | 291,589 | 295,633 | 299,844 | 304,204 | 308,703 | 313,338 |

| Athena | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.83% | 1.09% | 1.38% | 1.51% | 2.07% | 1.17% | 1.72% | 1.67% | 2.24% | 1.28% |
| Residential Therms | 318,236 | 322,530 | 328,553 | 334,740 | 342,825 | 348,240 | 355,350 | 362,782 | 372,135 | 378,497 |
| Commercial Therms | 134,380 | 135,008 | 135,311 | 136,130 | 137,776 | 137,994 | 139,258 | 140,106 | 142,019 | 142,218 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 452,616 | 457,538 | 463,864 | 470,870 | 480,600 | 486,234 | 494,608 | 502,888 | 514,154 | 520,714 |
| Daily Baseload Therms | 194 | 196 | 200 | 203 | 207 | 210 | 214 | 217 | 222 | 225 |
| Peak Day Therms | 6,455 | 6,548 | 6,669 | 6,798 | 6,898 | 7,034 | 7,170 | 7,278 | 7,421 | 7,564 |
| Therms Per Residential Customer | 578 | 576 | 576 | 576 | 578 | 576 | 575 | 575 | 578 | 575 |
| Therms Per Commercial Customer | 2,127 | 2,118 | 2,117 | 2,119 | 2,125 | 2,118 | 2,115 | 2,117 | 2,125 | 2,117 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 550 | 560 | 571 | 582 | 593 | 605 | 618 | 631 | 644 | 658 |
| Commercial Customers | 63 | 64 | 64 | 64 | 65 | 65 | 66 | 66 | 67 | 67 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 613 | 624 | 635 | 646 | 658 | 670 | 683 | 697 | 711 | 725 |

| Baker | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.59% | -0.21% | 0.24% | 0.27% | 0.71% | -0.15% | 0.32% | 0.34% | 0.81% | -0.08% |
| Residential Therms | 2,066,731 | 2,068,536 | 2,079,502 | 2,090,780 | 2,112,127 | 2,114,918 | 2,127,576 | 2,140,908 | 2,164,050 | 2,168,272 |
| Commercial Therms | 1,354,089 | 1,345,296 | 1,342,711 | 1,340,753 | 1,343,853 | 1,336,015 | 1,334,681 | 1,333,211 | 1,338,313 | 1,331,563 |
| Industrial Therms | 55,986 | 55,823 | 55,823 | 55,823 | 56,009 | 55,811 | 55,811 | 55,823 | 56,009 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,476,806 | 3,469,655 | 3,478,036 | 3,487,355 | 3,511,990 | 3,506,744 | 3,518,068 | 3,529,942 | 3,558,372 | 3,555,657 |
| Daily Baseload Therms | 1,896 | 1,897 | 1,899 | 1,901 | 1,905 | 1,908 | 1,910 | 1,915 | 1,920 | 1,923 |
| Peak Day Therms | 42,370 | 42,659 | 42,921 | 43,184 | 43,480 | 43,742 | 44,012 | 44,314 | 44,584 | 44,887 |
| Therms Per Residential Customer | 637 | 634 | 634 | 634 | 637 | 634 | 634 | 634 | 637 | 634 |
| Therms Per Commercial Customer | 3,007 | 2,995 | 2,995 | 2,996 | 3,008 | 2,994 | 2,995 | 2,995 | 3,007 | 2,995 |
| Therms Per Industrial Customer | 27,993 | 27,911 | 27,911 | 27,911 | 28,005 | 27,905 | 27,905 | 27,911 | 28,005 | 27,911 |
| Residential Customers | 3,245 | 3,261 | 3,278 | 3,297 | 3,316 | 3,335 | 3,355 | 3,376 | 3,397 | 3,419 |
| Commercial Customers | 450 | 449 | 448 | 448 | 447 | 446 | 446 | 445 | 445 | 445 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,697 | 3,712 | 3,729 | 3,746 | 3,764 | 3,783 | 3,803 | 3,823 | 3,844 | 3,866 |

| Umatilla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 4.70% | 0.08% | 4.15% | 4.02% | 0.80% | 3.49% | 0.44% | 3.77% | 3.97% | 0.09% |
| Residential Therms | 319,697 | 323,408 | 328,827 | 334,641 | 342,277 | 346,877 | 353,338 | 360,086 | 368,646 | 374,116 |
| Commercial Therms | 526,087 | 528,867 | 533,184 | 537,921 | 545,233 | 547,732 | 552,951 | 558,728 | 566,018 | 569,186 |
| Industrial Therms | 903,591 | 899,071 | 986,266 | 1,073,462 | 1,078,724 | 1,160,547 | 1,160,547 | 1,247,853 | 1,341,142 | 1,335,048 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 2,332,629 | 2,334,599 | 2,431,531 | 2,529,277 | 2,549,488 | 2,638,411 | 2,650,090 | 2,749,920 | 2,859,060 | 2,861,604 |
| Daily Baseload Therms | 3,837 | 3,845 | 4,029 | 4,212 | 4,222 | 4,406 | 4,420 | 4,601 | 4,785 | 4,800 |
| Peak Day Therms | 21,044 | 21,183 | 22,003 | 22,822 | 22,972 | 23,764 | 23,913 | 24,745 | 25,577 | 25,735 |
| Therms Per Residential Customer | 278 | 277 | 277 | 277 | 278 | 277 | 277 | 277 | 278 | 277 |
| Therms Per Commercial Customer | 3,214 | 3,202 | 3,202 | 3,202 | 3,212 | 3,202 | 3,201 | 3,200 | 3,213 | 3,202 |
| Therms Per Industrial Customer | 53,152 | 52,887 | 54,793 | 56,498 | 56,775 | 58,027 | 58,027 | 59,422 | 60,961 | 60,684 |
| Residential Customers | 1,149 | 1,168 | 1,188 | 1,209 | 1,231 | 1,253 | 1,277 | 1,301 | 1,326 | 1,352 |
| Commercial Customers | 164 | 165 | 167 | 168 | 170 | 171 | 173 | 175 | 176 | 178 |
| Industrial Customers | 17 | 17 | 18 | 19 | 19 | 20 | 20 | 21 | 22 | 22 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,331 | 1,351 | 1,373 | 1,397 | 1,421 | 1,445 | 1,471 | 1,498 | 1,525 | 1,553 |

| Chemult | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.05% | -0.82% | -0.58% | -0.12% | -0.12% | -0.77% | -0.31% | -0.61% | 0.31% | -0.83% |
| Residential Therms | 7,955 | 7,736 | 7,475 | 7,424 | 7,223 | 7,030 | 6,895 | 6,626 | 6,613 | 6,401 |
| Commercial Therms | 37,064 | 36,915 | 36,915 | 36,915 | 37,064 | 36,915 | 36,915 | 36,915 | 37,064 | 36,915 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 45,019 | 44,652 | 44,391 | 44,339 | 44,287 | 43,946 | 43,811 | 43,542 | 43,678 | 43,316 |
| Daily Baseload Therms | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Peak Day Therms | 436 | 432 | 432 | 432 | 432 | 428 | 428 | 428 | 428 | 428 |
| Therms Per Residential Customer | 450 | 448 | 449 | 448 | 451 | 449 | 447 | 449 | 451 | 449 |
| Therms Per Commercial Customer | 1,869 | 1,861 | 1,861 | 1,861 | 1,869 | 1,861 | 1,861 | 1,861 | 1,869 | 1,861 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 18 | 17 | 17 | 17 | 16 | 16 | 15 | 15 | 15 | 14 |
| Commercial Customers | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 38 | 37 | 37 | 36 | 36 | 36 | 35 | 35 | 35 | 34 |

| Gilchrist | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | -0.40% | -1.30% | -0.81% | -0.84% | -0.05% | -1.00% | -0.82% | -0.79% | -0.30% | -1.27% |
| Residential Therms | 69,025 | 67,148 | 65,654 | 64,121 | 62,997 | 61,226 | 59,754 | 58,352 | 57,285 | 55,605 |
| Commercial Therms | 117,109 | 116,563 | 116,563 | 116,563 | 117,588 | 117,548 | 117,548 | 117,548 | 118,094 | 117,548 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 186,133 | 183,711 | 182,217 | 180,684 | 180,585 | 178,774 | 177,302 | 175,900 | 175,378 | 173,153 |
| Daily Baseload Therms | 114 | 113 | 112 | 111 | 110 | 109 | 108 | 107 | 106 | 106 |
| Peak Day Therms | 1,974 | 1,970 | 1,960 | 1,956 | 1,946 | 1,937 | 1,932 | 1,923 | 1,918 | 1,909 |
| Therms Per Residential Customer | 515 | 513 | 513 | 513 | 516 | 514 | 514 | 514 | 516 | 514 |
| Therms Per Commercial Customer | 3,165 | 3,150 | 3,150 | 3,150 | 3,171 | 3,163 | 3,163 | 3,163 | 3,177 | 3,163 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 134 | 131 | 128 | 125 | 122 | 119 | 116 | 114 | 111 | 108 |
| Commercial Customers | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 171 | 168 | 165 | 162 | 159 | 156 | 153 | 151 | 148 | 145 |

| Hermiston | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.44% | 0.94% | 1.15% | 1.20% | 1.65% | 0.85% | 1.32% | 1.35% | 1.82% | 1.21% |
| Residential Therms | 2,560,725 | 2,595,542 | 2,643,565 | 2,694,264 | 2,759,584 | 2,802,389 | 2,860,046 | 2,920,373 | 2,995,754 | 3,046,582 |
| Commercial Therms | 2,943,605 | 2,949,328 | 2,967,923 | 2,987,391 | 3,019,185 | 3,028,447 | 3,050,636 | 3,073,517 | 3,110,623 | 3,123,690 |
| Industrial Therms | 224,294 | 237,474 | 237,477 | 237,477 | 238,303 | 237,444 | 237,440 | 237,474 | 238,303 | 251,470 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,728,625 | 5,782,343 | 5,848,966 | 5,919,132 | 6,017,072 | 6,068,279 | 6,148,122 | 6,231,363 | 6,344,680 | 6,421,743 |
| Daily Baseload Therms | 5,543 | 5,640 | 5,696 | 5,759 | 5,824 | 5,891 | 5,960 | 6,035 | 6,111 | 6,190 |
| Peak Day Therms | 73,487 | 74,759 | 75,838 | 76,940 | 78,111 | 79,260 | 80,478 | 81,720 | 82,985 | 84,273 |
| Therms Per Residential Customer | 647 | 645 | 645 | 644 | 647 | 644 | 644 | 644 | 647 | 644 |
| Therms Per Commercial Customer | 4,149 | 4,133 | 4,133 | 4,133 | 4,149 | 4,132 | 4,132 | 4,132 | 4,148 | 4,132 |
| Therms Per Industrial Customer | 28,037 | 27,938 | 27,939 | 27,939 | 28,036 | 27,935 | 27,934 | 27,938 | 28,036 | 27,941 |
| Residential Customers | 3,955 | 4,027 | 4,102 | 4,181 | 4,264 | 4,350 | 4,440 | 4,534 | 4,631 | 4,731 |
| Commercial Customers | 710 | 714 | 718 | 723 | 728 | 733 | 738 | 744 | 750 | 756 |
| Industrial Customers | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,673 | 4,749 | 4,828 | 4,912 | 5,000 | 5,092 | 5,187 | 5,286 | 5,389 | 5,496 |

| Huntington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.88% | -0.32% | 0.49% | 0.36% | 0.86% | -0.22% | 0.18% | 0.27% | 0.90% | -0.19% |
| Residential Therms | 52,153 | 52,029 | 52,413 | 52,731 | 53,276 | 53,246 | 53,630 | 53,955 | 54,539 | 54,647 |
| Commercial Therms | 27,065 | 26,931 | 26,931 | 26,897 | 27,037 | 26,893 | 26,653 | 26,546 | 26,687 | 26,425 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 79,218 | 78,961 | 79,345 | 79,627 | 80,313 | 80,139 | 80,283 | 80,501 | 81,226 | 81,072 |
| Daily Baseload Therms | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Peak Day Therms | 1,254 | 1,260 | 1,272 | 1,277 | 1,311 | 1,323 | 1,328 | 1,334 | 1,346 | 1,352 |
| Therms Per Residential Customer | 411 | 409 | 409 | 409 | 411 | 409 | 409 | 409 | 411 | 409 |
| Therms Per Commercial Customer | 1,933 | 1,924 | 1,924 | 1,944 | 1,954 | 1,944 | 1,938 | 1,942 | 1,953 | 1,945 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 127 | 127 | 128 | 129 | 130 | 130 | 131 | 132 | 133 | 134 |
| Commercial Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 141 | 141 | 142 | 143 | 143 | 144 | 145 | 146 | 147 | 147 |

| La Pine | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 1.30% | 1.59% | 1.27% | 2.03% | 0.73% | 1.38% | 1.35% | 1.63% | 0.89% |
| Residential Therms | 163,500 | 166,753 | 170,832 | 174,819 | 179,710 | 182,875 | 187,063 | 191,289 | 196,374 | 199,754 |
| Commercial Therms | 396,943 | 400,990 | 405,917 | 409,268 | 416,205 | 417,386 | 421,496 | 425,501 | 430,491 | 432,686 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 560,442 | 567,744 | 576,749 | 584,087 | 595,915 | 600,261 | 608,559 | 616,790 | 626,865 | 632,441 |
| Daily Baseload Therms | 457 | 464 | 472 | 478 | 485 | 491 | 499 | 504 | 510 | 518 |
| Peak Day Therms | 6,325 | 6,423 | 6,527 | 6,632 | 6,730 | 6,805 | 6,910 | 7,015 | 7,090 | 7,195 |
| Therms Per Residential Customer | 630 | 628 | 628 | 628 | 631 | 628 | 628 | 628 | 631 | 628 |
| Therms Per Commercial Customer | 2,777 | 2,767 | 2,769 | 2,767 | 2,781 | 2,766 | 2,767 | 2,767 | 2,779 | 2,768 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 259 | 266 | 272 | 278 | 285 | 291 | 298 | 305 | 311 | 318 |
| Commercial Customers | 143 | 145 | 147 | 148 | 150 | 151 | 152 | 154 | 155 | 156 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 402 | 410 | 419 | 426 | 435 | 442 | 450 | 458 | 466 | 474 |

| Madras | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.00% | 1.21% | 1.68% | 1.75% | 2.23% | 1.34% | 1.88% | 3.51% | 2.38% | 1.46% |
| Residential Therms | 866,455 | 896,032 | 931,043 | 967,484 | 1,010,632 | 1,045,618 | 1,086,976 | 1,130,207 | 1,180,518 | 1,221,196 |
| Commercial Therms | 1,196,357 | 1,208,850 | 1,226,836 | 1,246,745 | 1,271,867 | 1,286,475 | 1,308,937 | 1,330,956 | 1,360,577 | 1,378,409 |
| Industrial Therms | 1,039,243 | 1,034,879 | 1,034,879 | 1,034,879 | 1,039,617 | 1,034,692 | 1,034,692 | 1,090,448 | 1,095,436 | 1,090,448 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 3,122,992 | 3,160,698 | 3,213,694 | 3,270,044 | 3,343,054 | 3,387,722 | 3,451,542 | 3,572,548 | 3,657,468 | 3,710,990 |
| Daily Baseload Therms | 2,461 | 2,501 | 2,542 | 2,586 | 2,632 | 2,679 | 2,727 | 2,817 | 2,870 | 2,924 |
| Peak Day Therms | 35,895 | 37,145 | 37,778 | 38,460 | 39,155 | 39,905 | 40,673 | 41,428 | 42,264 | 43,081 |
| Therms Per Residential Customer | 539 | 537 | 537 | 537 | 539 | 536 | 536 | 536 | 539 | 536 |
| Therms Per Commercial Customer | 2,954 | 2,942 | 2,941 | 2,942 | 2,954 | 2,941 | 2,941 | 2,941 | 2,954 | 2,941 |
| Therms Per Industrial Customer | 54,697 | 54,467 | 54,467 | 54,467 | 54,717 | 54,457 | 54,457 | 54,522 | 54,772 | 54,522 |
| Residential Customers | 1,607 | 1,669 | 1,735 | 1,803 | 1,875 | 1,949 | 2,027 | 2,107 | 2,191 | 2,277 |
| Commercial Customers | 405 | 411 | 417 | 424 | 431 | 438 | 445 | 453 | 461 | 469 |
| Industrial Customers | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,032 | 2,100 | 2,172 | 2,247 | 2,325 | 2,407 | 2,492 | 2,581 | 2,672 | 2,767 |

| Milton-Freewater | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.11% | 0.50% | 1.05% | 0.76% | 1.45% | 0.62% | 0.99% | 1.66% | 1.56% | 0.69% |
| Residential Therms | 107,265 | 108,748 | 110,800 | 112,752 | 115,686 | 117,395 | 119,762 | 122,257 | 125,455 | 127,529 |
| Commercial Therms | 284,289 | 284,980 | 287,360 | 288,634 | 291,806 | 292,912 | 294,875 | 297,158 | 300,834 | 302,019 |
| Industrial Therms | 27,519 | 27,421 | 27,419 | 27,419 | 27,543 | 27,407 | 27,409 | 29,953 | 30,078 | 29,953 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 419,072 | 421,149 | 425,579 | 428,804 | 435,036 | 437,714 | 442,046 | 449,368 | 456,367 | 459,501 |
| Daily Baseload Therms | 394 | 398 | 399 | 403 | 408 | 408 | 413 | 423 | 428 | 432 |
| Peak Day Therms | 5,672 | 5,742 | 5,807 | 5,883 | 5,953 | 6,023 | 6,099 | 6,230 | 6,306 | 6,383 |
| Therms Per Residential Customer | 435 | 434 | 434 | 433 | 435 | 433 | 433 | 433 | 435 | 433 |
| Therms Per Commercial Customer | 2,850 | 2,838 | 2,838 | 2,841 | 2,849 | 2,837 | 2,838 | 2,841 | 2,852 | 2,838 |
| Therms Per Industrial Customer | 5,003 | 4,986 | 4,985 | 4,985 | 5,008 | 4,983 | 4,983 | 4,992 | 5,013 | 4,992 |
| Residential Customers | 247 | 251 | 256 | 260 | 266 | 271 | 277 | 282 | 288 | 295 |
| Commercial Customers | 100 | 100 | 101 | 102 | 102 | 103 | 104 | 105 | 106 | 106 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 352 | 357 | 362 | 367 | 374 | 380 | 386 | 393 | 400 | 407 |

| Mission Tap | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.85% | 0.50% | 1.30% | 0.96% | 1.19% | 1.09% | 0.99% | 0.82% | 1.92% | 0.62% |
| Residential Therms | 129,603 | 131,253 | 133,727 | 136,359 | 139,655 | 141,827 | 144,792 | 147,751 | 151,524 | 154,180 |
| Commercial Therms | 352,057 | 352,821 | 356,636 | 358,689 | 361,301 | 364,607 | 366,660 | 367,903 | 374,008 | 374,631 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 481,659 | 484,074 | 490,363 | 495,048 | 500,956 | 506,434 | 511,452 | 515,654 | 525,532 | 528,811 |
| Daily Baseload Therms | 464 | 466 | 468 | 478 | 480 | 483 | 494 | 496 | 499 | 510 |
| Peak Day Therms | 6,096 | 6,137 | 6,267 | 6,300 | 6,437 | 6,477 | 6,607 | 6,654 | 6,791 | 6,831 |
| Therms Per Residential Customer | 553 | 551 | 551 | 551 | 553 | 551 | 551 | 550 | 553 | 550 |
| Therms Per Commercial Customer | 8,001 | 7,988 | 7,984 | 7,971 | 8,014 | 7,984 | 7,971 | 7,983 | 8,014 | 7,971 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 234 | 238 | 243 | 248 | 253 | 258 | 263 | 268 | 274 | 280 |
| Commercial Customers | 44 | 44 | 45 | 45 | 45 | 46 | 46 | 46 | 47 | 47 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 278 | 282 | 287 | 293 | 298 | 303 | 309 | 315 | 321 | 327 |

| Nyssa-Ontario | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.25% | 0.93% | 1.88% | 1.27% | 2.23% | 1.03% | 1.67% | 1.37% | 2.03% | 0.93% |
| Residential Therms | 1,699,217 | 1,687,332 | 1,683,969 | 1,680,832 | 1,686,577 | 1,675,380 | 1,673,073 | 1,671,301 | 1,677,952 | 1,667,668 |
| Commercial Therms | 2,296,626 | 2,292,658 | 2,299,856 | 2,305,852 | 2,323,433 | 2,320,253 | 2,328,059 | 2,336,638 | 2,355,573 | 2,353,507 |
| Industrial Therms | 1,574,137 | 1,652,902 | 1,777,033 | 1,862,616 | 1,996,084 | 2,084,272 | 2,200,030 | 2,294,704 | 2,421,074 | 2,504,466 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 6,758,214 | 6,821,126 | 6,949,092 | 7,037,534 | 7,194,327 | 7,268,139 | 7,389,397 | 7,490,878 | 7,642,833 | 7,713,875 |
| Daily Baseload Therms | 8,176 | 8,455 | 8,599 | 8,878 | 9,023 | 9,305 | 9,587 | 9,732 | 10,014 | 10,159 |
| Peak Day Therms | 81,082 | 81,984 | 83,586 | 84,488 | 86,059 | 87,636 | 88,570 | 90,147 | 91,055 | 92,632 |
| Therms Per Residential Customer | 514 | 512 | 512 | 512 | 514 | 512 | 512 | 512 | 514 | 512 |
| Therms Per Commercial Customer | 2,623 | 2,612 | 2,613 | 2,612 | 2,624 | 2,612 | 2,612 | 2,613 | 2,624 | 2,613 |
| Therms Per Industrial Customer | 40,020 | 40,645 | 41,977 | 42,655 | 44,031 | 44,504 | 45,440 | 46,048 | 47,087 | 47,403 |
| Residential Customers | 3,305 | 3,297 | 3,290 | 3,284 | 3,279 | 3,274 | 3,269 | 3,265 | 3,262 | 3,258 |
| Commercial Customers | 876 | 878 | 880 | 883 | 885 | 888 | 891 | 894 | 898 | 901 |
| Industrial Customers | 39 | 41 | 42 | 44 | 45 | 47 | 48 | 50 | 51 | 53 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,221 | 4,216 | 4,214 | 4,212 | 4,211 | 4,210 | 4,210 | 4,211 | 4,212 | 4,213 |

| Pendleton | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.42% | 0.67% | 2.07% | 1.15% | 1.63% | 0.80% | 1.28% | 1.32% | 1.77% | 0.94% |
| Residential Therms | 3,040,915 | 3,082,016 | 3,139,150 | 3,199,364 | 3,276,780 | 3,327,753 | 3,396,305 | 3,467,649 | 3,557,067 | 3,617,488 |
| Commercial Therms | 2,473,086 | 2,477,361 | 2,492,947 | 2,508,654 | 2,536,923 | 2,543,402 | 2,562,218 | 2,581,868 | 2,613,248 | 2,623,055 |
| Industrial Therms | 268,095 | 265,367 | 326,362 | 326,362 | 329,327 | 326,227 | 326,210 | 326,346 | 329,327 | 326,362 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 6,408,139 | 6,450,787 | 6,584,502 | 6,660,422 | 6,769,072 | 6,823,425 | 6,910,776 | 7,001,905 | 7,125,684 | 7,192,948 |
| Daily Baseload Therms | 5,613 | 5,662 | 5,911 | 5,963 | 6,016 | 6,071 | 6,131 | 6,192 | 6,259 | 6,323 |
| Peak Day Therms | 85,418 | 86,609 | 89,045 | 90,342 | 91,660 | 92,975 | 94,399 | 95,805 | 97,247 | 98,751 |
| Therms Per Residential Customer | 573 | 570 | 570 | 570 | 573 | 570 | 570 | 570 | 572 | 570 |
| Therms Per Commercial Customer | 3,251 | 3,238 | 3,238 | 3,237 | 3,251 | 3,238 | 3,237 | 3,237 | 3,251 | 3,237 |
| Therms Per Industrial Customer | 38,299 | 37,910 | 43,515 | 43,515 | 43,910 | 43,497 | 43,495 | 43,513 | 43,910 | 43,515 |
| Residential Customers | 5,307 | 5,403 | 5,503 | 5,610 | 5,721 | 5,837 | 5,958 | 6,083 | 6,214 | 6,348 |
| Commercial Customers | 761 | 765 | 770 | 775 | 780 | 786 | 792 | 798 | 804 | 810 |
| Industrial Customers | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,076 | 6,176 | 6,282 | 6,393 | 6,510 | 6,631 | 6,758 | 6,889 | 7,026 | 7,167 |

| Prineville | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.87% | 1.06% | 0.99% | 1.45% | 1.93% | 0.96% | 1.45% | 1.47% | 1.89% | 1.21% |
| Residential Therms | 1,315,073 | 1,325,144 | 1,341,040 | 1,357,273 | 1,380,139 | 1,389,764 | 1,406,515 | 1,423,953 | 1,447,853 | 1,458,216 |
| Commercial Therms | 1,582,290 | 1,596,307 | 1,617,597 | 1,638,092 | 1,667,110 | 1,680,641 | 1,702,786 | 1,725,598 | 1,756,150 | 1,781,559 |
| Industrial Therms | 806,195 | 821,525 | 821,525 | 839,782 | 861,740 | 875,999 | 894,249 | 912,806 | 935,080 | 949,318 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,703,559 | 3,742,977 | 3,780,162 | 3,835,147 | 3,908,990 | 3,946,404 | 4,003,550 | 4,062,357 | 4,139,084 | 4,189,094 |
| Daily Baseload Therms | 2,846 | 2,892 | 2,918 | 2,964 | 3,011 | 3,060 | 3,109 | 3,156 | 3,206 | 3,255 |
| Peak Day Therms | 43,556 | 44,253 | 44,912 | 45,644 | 46,335 | 47,067 | 47,757 | 48,489 | 49,221 | 49,911 |
| Therms Per Residential Customer | 513 | 511 | 511 | 511 | 514 | 511 | 511 | 511 | 513 | 511 |
| Therms Per Commercial Customer | 2,907 | 2,895 | 2,895 | 2,895 | 2,908 | 2,894 | 2,893 | 2,894 | 2,908 | 2,912 |
| Therms Per Industrial Customer | 18,323 | 18,256 | 18,256 | 18,256 | 18,335 | 18,250 | 18,250 | 18,256 | 18,335 | 18,256 |
| Residential Customers | 2,561 | 2,592 | 2,623 | 2,655 | 2,687 | 2,720 | 2,753 | 2,786 | 2,820 | 2,854 |
| Commercial Customers | 544 | 551 | 559 | 566 | 573 | 581 | 589 | 596 | 604 | 612 |
| Industrial Customers | 44 | 45 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,150 | 3,188 | 3,227 | 3,267 | 3,308 | 3,349 | 3,391 | 3,433 | 3,475 | 3,518 |

| Redmond | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.30% | 1.43% | 1.95% | 1.91% | 2.27% | 1.33% | 1.73% | 1.88% | 2.18% | 1.21% |
| Residential Therms | 5,367,262 | 5,473,267 | 5,604,057 | 5,735,715 | 5,895,351 | 6,001,744 | 6,136,651 | 6,273,591 | 6,439,821 | 6,548,872 |
| Commercial Therms | 3,707,746 | 3,735,128 | 3,777,880 | 3,816,758 | 3,872,039 | 3,892,133 | 3,929,783 | 3,965,401 | 4,017,018 | 4,031,998 |
| Industrial Therms | 356,264 | 357,565 | 370,420 | 385,721 | 395,987 | 404,403 | 409,809 | 434,047 | 448,496 | 456,033 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,431,272 | 9,565,960 | 9,752,356 | 9,938,194 | 10,163,376 | 10,298,280 | 10,476,243 | 10,673,038 | 10,905,334 | 11,036,903 |
| Daily Baseload Therms | 7,494 | 7,620 | 7,747 | 7,942 | 8,069 | 8,193 | 8,316 | 8,514 | 8,638 | 8,836 |
| Peak Day Therms | 122,032 | 124,195 | 126,718 | 129,271 | 131,446 | 133,948 | 136,193 | 138,685 | 141,159 | 143,375 |
| Therms Per Residential Customer | 625 | 623 | 623 | 623 | 626 | 623 | 623 | 623 | 626 | 623 |
| Therms Per Commercial Customer | 2,859 | 2,848 | 2,847 | 2,847 | 2,860 | 2,847 | 2,847 | 2,847 | 2,860 | 2,847 |
| Therms Per Industrial Customer | 39,585 | 39,365 | 39,337 | 39,561 | 39,599 | 39,454 | 39,342 | 39,459 | 39,573 | 39,370 |
| Residential Customers | 8,581 | 8,788 | 8,999 | 9,210 | 9,424 | 9,639 | 9,856 | 10,075 | 10,295 | 10,518 |
| Commercial Customers | 1,297 | 1,312 | 1,327 | 1,340 | 1,354 | 1,367 | 1,380 | 1,393 | 1,405 | 1,416 |
| Industrial Customers | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 11 | 11 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 9,887 | 10,109 | 10,335 | 10,560 | 10,788 | 11,017 | 11,247 | 11,478 | 11,711 | 11,945 |

| Stanfield | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.62% | 0.92% | 1.74% | 1.58% | 1.92% | 1.16% | 1.75% | 1.83% | 2.01% | 1.41% |
| Residential Therms | 167,184 | 169,356 | 172,648 | 175,807 | 180,115 | 183,017 | 186,608 | 190,606 | 195,529 | 198,824 |
| Commercial Therms | 67,496 | 67,492 | 68,317 | 68,966 | 69,353 | 69,341 | 70,165 | 70,878 | 71,211 | 71,690 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 234,679 | 236,848 | 240,965 | 244,774 | 249,468 | 252,358 | 256,774 | 261,484 | 266,740 | 270,514 |
| Daily Baseload Therms | 148 | 150 | 152 | 155 | 157 | 159 | 161 | 165 | 167 | 169 |
| Peak Day Therms | 3,407 | 3,482 | 3,532 | 3,583 | 3,664 | 3,721 | 3,808 | 3,865 | 3,929 | 4,016 |
| Therms Per Residential Customer | 494 | 492 | 492 | 492 | 494 | 491 | 491 | 491 | 493 | 491 |
| Therms Per Commercial Customer | 1,849 | 1,845 | 1,842 | 1,843 | 1,849 | 1,845 | 1,842 | 1,841 | 1,850 | 1,838 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 339 | 345 | 351 | 358 | 365 | 372 | 380 | 388 | 396 | 405 |
| Commercial Customers | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 39 | 39 | 39 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 375 | 381 | 388 | 395 | 402 | 410 | 418 | 427 | 435 | 444 |

| Stearns (Sunriver) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.59% | 1.69% | 2.12% | 2.09% | 2.45% | 1.60% | 1.98% | 1.95% | 2.34% | 1.47% |
| Residential Therms | 4,421,071 | 4,507,914 | 4,616,322 | 4,725,319 | 4,856,249 | 4,945,886 | 5,057,721 | 5,169,939 | 5,306,589 | 5,397,807 |
| Commercial Therms | 1,199,922 | 1,208,713 | 1,222,121 | 1,236,074 | 1,251,637 | 1,260,144 | 1,272,046 | 1,283,837 | 1,298,590 | 1,305,231 |
| Industrial Therms | 30,938 | 30,844 | 30,844 | 30,844 | 30,938 | 30,844 | 30,844 | 30,844 | 30,938 | 30,844 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,651,932 | 5,747,471 | 5,869,288 | 5,992,237 | 6,138,824 | 6,236,874 | 6,360,611 | 6,484,620 | 6,636,118 | 6,733,882 |
| Daily Baseload Therms | 5,956 | 6,070 | 6,187 | 6,294 | 6,411 | 6,529 | 6,638 | 6,757 | 6,869 | 6,980 |
| Peak Day Therms | 60,499 | 61,777 | 63,205 | 64,505 | 65,815 | 67,136 | 68,468 | 69,799 | 71,152 | 72,505 |
| Therms Per Residential Customer | 993 | 988 | 988 | 988 | 993 | 988 | 988 | 988 | 993 | 988 |
| Therms Per Commercial Customer | 4,766 | 4,749 | 4,749 | 4,750 | 4,765 | 4,749 | 4,749 | 4,749 | 4,765 | 4,749 |
| Therms Per Industrial Customer | 15,469 | 15,422 | 15,422 | 15,422 | 15,469 | 15,422 | 15,422 | 15,422 | 15,469 | 15,422 |
| Residential Customers | 4,453 | 4,560 | 4,670 | 4,781 | 4,892 | 5,004 | 5,117 | 5,231 | 5,346 | 5,462 |
| Commercial Customers | 252 | 255 | 257 | 260 | 263 | 265 | 268 | 270 | 273 | 275 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,706 | 4,817 | 4,930 | 5,043 | 5,156 | 5,271 | 5,387 | 5,503 | 5,620 | 5,739 |

| Pronghorn | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.60% | 1.31% | 1.97% | 1.07% | 2.58% | 0.85% | 1.03% | 1.03% | 1.55% | 1.63% |
| Residential Therms | 387,709 | 392,247 | 399,318 | 406,399 | 415,120 | 420,167 | 427,292 | 434,464 | 443,289 | 448,897 |
| Commercial Therms | 251,448 | 255,287 | 260,979 | 260,980 | 269,490 | 270,258 | 270,257 | 270,238 | 272,338 | 278,365 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 639,157 | 647,534 | 660,298 | 667,380 | 684,610 | 690,425 | 697,549 | 704,702 | 715,628 | 727,263 |
| Daily Baseload Therms | 943 | 968 | 995 | 1,005 | 1,012 | 1,039 | 1,050 | 1,059 | 1,067 | 1,078 |
| Peak Day Therms | 6,919 | 7,080 | 7,162 | 7,324 | 7,406 | 7,568 | 7,650 | 7,749 | 7,910 | 8,009 |
| Therms Per Residential Customer | 1,605 | 1,598 | 1,598 | 1,598 | 1,604 | 1,599 | 1,598 | 1,598 | 1,604 | 1,598 |
| Therms Per Commercial Customer | 9,313 | 9,283 | 9,266 | 9,266 | 9,320 | 9,266 | 9,266 | 9,265 | 9,311 | 9,279 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 242 | 245 | 250 | 254 | 259 | 263 | 267 | 272 | 276 | 281 |
| Commercial Customers | 27 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 29 | 30 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 269 | 273 | 278 | 283 | 288 | 292 | 297 | 301 | 306 | 311 |

| Bend Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.46% | 1.57% | 1.98% | 1.95% | 2.35% | 1.44% | 1.85% | 1.83% | 2.24% | 1.33% |
| Residential Therms | 26,717,152 | 27,248,266 | 27,901,855 | 28,560,944 | 29,353,508 | 29,892,296 | 30,567,128 | 31,249,398 | 32,075,466 | 32,626,365 |
| Commercial Therms | 12,999,918 | 13,094,208 | 13,238,307 | 13,377,760 | 13,571,677 | 13,643,951 | 13,771,194 | 13,895,312 | 14,075,162 | 14,130,270 |
| Industrial Therms | 303,046 | 306,805 | 314,978 | 323,832 | 329,977 | 340,441 | 349,491 | 362,386 | 373,974 | 388,126 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 40,020,117 | 40,649,279 | 41,455,140 | 42,262,536 | 43,255,162 | 43,876,688 | 44,687,812 | 45,507,096 | 46,524,602 | 47,144,761 |
| Daily Baseload Therms | 33,535 | 34,168 | 34,806 | 35,473 | 36,107 | 36,773 | 37,410 | 38,075 | 38,708 | 39,373 |
| Peak Day Therms | 456,135 | 465,279 | 474,468 | 483,684 | 492,868 | 502,078 | 511,255 | 520,467 | 529,706 | 538,912 |
| Therms Per Residential Customer | 762 | 758 | 758 | 758 | 762 | 758 | 758 | 758 | 762 | 758 |
| Therms Per Commercial Customer | 2,805 | 2,793 | 2,793 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 | 2,805 | 2,793 |
| Therms Per Industrial Customer | 22,040 | 21,915 | 21,975 | 21,955 | 21,998 | 21,964 | 21,958 | 21,963 | 21,998 | 21,969 |
| Residential Customers | 35,083 | 35,933 | 36,796 | 37,666 | 38,543 | 39,427 | 40,318 | 41,215 | 42,120 | 43,033 |
| Commercial Customers | 4,635 | 4,688 | 4,740 | 4,790 | 4,838 | 4,885 | 4,931 | 4,975 | 5,018 | 5,059 |
| Industrial Customers | 14 | 14 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 39,731 | 40,635 | 41,550 | 42,470 | 43,396 | 44,327 | 45,264 | 46,207 | 47,155 | 48,110 |

| McCleary (Aberdeen/Hoquiam) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.06% | -0.56% | -0.20% | -0.18% | 0.24% | -0.52% | -0.10% | -0.05% | 0.35% | -0.42% |
| Residential Therms | 2,321,205 | 2,315,058 | 2,318,182 | 2,322,040 | 2,336,690 | 2,331,658 | 2,337,766 | 2,345,241 | 2,362,478 | 2,360,454 |
| Commercial Therms | 2,904,063 | 2,880,517 | 2,866,600 | 2,853,284 | 2,851,071 | 2,828,638 | 2,817,298 | 2,807,256 | 2,808,029 | 2,788,338 |
| Industrial Therms | 180,820 | 180,280 | 180,280 | 180,280 | 180,928 | 180,225 | 180,225 | 180,280 | 180,928 | 180,280 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,406,088 | 5,375,855 | 5,365,062 | 5,355,604 | 5,368,689 | 5,340,521 | 5,335,290 | 5,332,777 | 5,351,435 | 5,329,072 |
| Daily Baseload Therms | 5,723 | 5,707 | 5,691 | 5,676 | 5,662 | 5,648 | 5,641 | 5,628 | 5,621 | 5,614 |
| Peak Day Therms | 55,474 | 55,546 | 55,632 | 55,717 | 55,803 | 55,942 | 56,042 | 56,181 | 56,288 | 56,441 |
| Therms Per Residential Customer | 705 | 703 | 703 | 703 | 706 | 703 | 703 | 703 | 706 | 703 |
| Therms Per Commercial Customer | 4,461 | 4,447 | 4,447 | 4,447 | 4,464 | 4,446 | 4,445 | 4,447 | 4,464 | 4,447 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,290 | 3,294 | 3,298 | 3,304 | 3,311 | 3,318 | 3,327 | 3,337 | 3,347 | 3,359 |
| Commercial Customers | 651 | 648 | 645 | 642 | 639 | 636 | 634 | 631 | 629 | 627 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,948 | 3,948 | 3,950 | 3,952 | 3,956 | 3,962 | 3,968 | 3,975 | 3,984 | 3,993 |

| Acme | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 4.43% | 0.40% | 0.77% | 0.79% | 3.10% | 1.95% | 0.83% | 1.10% | 3.64% | 1.31% |
| Residential Therms | 57,841 | 58,377 | 59,133 | 59,916 | 60,922 | 61,415 | 62,285 | 63,435 | 64,545 | 65,175 |
| Commercial Therms | 39,569 | 39,421 | 39,421 | 39,421 | 41,489 | 42,998 | 42,998 | 43,004 | 45,768 | 46,588 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 97,410 | 97,798 | 98,554 | 99,336 | 102,411 | 104,413 | 105,282 | 106,439 | 110,313 | 111,763 |
| Daily Baseload Therms | 64 | 64 | 65 | 65 | 68 | 69 | 69 | 70 | 73 | 73 |
| Peak Day Therms | 905 | 911 | 952 | 959 | 966 | 979 | 1,020 | 1,027 | 1,034 | 1,082 |
| Therms Per Residential Customer | 763 | 760 | 760 | 759 | 762 | 759 | 760 | 760 | 763 | 759 |
| Therms Per Commercial Customer | 3,597 | 3,584 | 3,584 | 3,584 | 3,556 | 3,583 | 3,583 | 3,584 | 3,566 | 3,584 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 85 | 86 |
| Commercial Customers | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 | 13 | 13 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 87 | 88 | 89 | 90 | 92 | 93 | 94 | 95 | 97 | 99 |

| Arlington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.26% | 1.45% | 1.94% | 1.86% | 2.28% | 1.49% | 1.89% | 1.89% | 2.31% | 1.80% |
| Residential Therms | 4,005,414 | 4,068,226 | 4,147,654 | 4,229,380 | 4,330,274 | 4,397,968 | 4,485,487 | 4,575,473 | 4,685,576 | 4,783,955 |
| Commercial Therms | 2,089,625 | 2,109,995 | 2,138,242 | 2,165,631 | 2,202,443 | 2,221,805 | 2,250,905 | 2,280,096 | 2,317,896 | 2,337,751 |
| Industrial Therms | 465,067 | 477,216 | 498,432 | 515,261 | 535,369 | 553,749 | 572,596 | 591,364 | 615,589 | 634,232 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,560,106 | 6,655,438 | 6,784,328 | 6,910,272 | 7,068,087 | 7,173,522 | 7,308,988 | 7,446,933 | 7,619,061 | 7,755,938 |
| Daily Baseload Therms | 6,250 | 6,379 | 6,509 | 6,625 | 6,758 | 6,877 | 7,013 | 7,152 | 7,295 | 7,421 |
| Peak Day Therms | 69,951 | 71,364 | 72,791 | 74,239 | 75,703 | 77,188 | 78,812 | 80,304 | 81,847 | 83,412 |
| Therms Per Residential Customer | 712 | 709 | 709 | 709 | 712 | 709 | 709 | 709 | 712 | 711 |
| Therms Per Commercial Customer | 3,156 | 3,145 | 3,144 | 3,144 | 3,156 | 3,143 | 3,143 | 3,144 | 3,156 | 3,144 |
| Therms Per Industrial Customer | 11,531 | 11,453 | 11,480 | 11,471 | 11,513 | 11,477 | 11,471 | 11,464 | 11,524 | 11,479 |
| Residential Customers | 5,625 | 5,734 | 5,846 | 5,962 | 6,080 | 6,200 | 6,324 | 6,450 | 6,579 | 6,728 |
| Commercial Customers | 662 | 671 | 680 | 689 | 698 | 707 | 716 | 725 | 735 | 744 |
| Industrial Customers | 40 | 42 | 43 | 45 | 47 | 48 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 6,328 | 6,447 | 6,570 | 6,695 | 6,824 | 6,955 | 7,090 | 7,227 | 7,367 | 7,527 |

| Bremerton (Shelton) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 0.90% | 1.62% | 1.36% | 1.76% | 0.97% | 1.40% | 1.42% | 1.83% | 1.04% |
| Residential Therms | 23,872,778 | 24,088,324 | 24,408,992 | 24,738,058 | 25,179,029 | 25,419,450 | 25,772,711 | 26,134,811 | 26,612,889 | 26,879,180 |
| Commercial Therms | 12,281,515 | 12,409,377 | 12,593,235 | 12,783,251 | 13,032,494 | 13,186,519 | 13,398,979 | 13,619,725 | 13,901,199 | 14,082,185 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 37,921,892 | 38,261,420 | 38,881,089 | 39,411,007 | 40,105,378 | 40,495,668 | 41,061,389 | 41,644,235 | 42,407,944 | 42,851,064 |
| Daily Baseload Therms | 35,481 | 35,916 | 36,655 | 37,119 | 37,594 | 38,083 | 38,590 | 39,108 | 39,639 | 40,189 |
| Peak Day Therms | 371,937 | 377,471 | 383,184 | 388,988 | 394,925 | 401,584 | 407,778 | 414,117 | 420,609 | 427,145 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,745 | 3,731 | 3,731 | 3,731 | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 35,577 | 36,045 | 36,526 | 37,019 | 37,525 | 38,043 | 38,572 | 39,113 | 39,666 | 40,229 |
| Commercial Customers | 3,279 | 3,326 | 3,376 | 3,427 | 3,480 | 3,535 | 3,592 | 3,651 | 3,712 | 3,775 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 38,873 | 39,387 | 39,918 | 40,463 | 41,022 | 41,595 | 42,181 | 42,782 | 43,395 | 44,022 |

| Castle Rock | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.58% | 0.79% | 1.58% | 1.10% | 1.52% | 1.39% | 1.54% | 1.28% | 1.49% | 1.29% |
| Residential Therms | 37,857 | 38,234 | 38,749 | 39,264 | 39,980 | 40,419 | 41,026 | 41,733 | 42,630 | 43,050 |
| Commercial Therms | 143,643 | 144,702 | 147,079 | 148,600 | 150,735 | 152,957 | 155,334 | 157,136 | 159,211 | 161,389 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 181,500 | 182,936 | 185,828 | 187,863 | 190,715 | 193,375 | 196,361 | 198,869 | 201,840 | 204,439 |
| Daily Baseload Therms | 236 | 236 | 241 | 245 | 246 | 250 | 255 | 259 | 260 | 264 |
| Peak Day Therms | 1,591 | 1,622 | 1,648 | 1,679 | 1,704 | 1,735 | 1,766 | 1,792 | 1,823 | 1,848 |
| Therms Per Residential Customer | 525 | 521 | 521 | 521 | 523 | 520 | 520 | 521 | 524 | 520 |
| Therms Per Commercial Customer | 2,771 | 2,765 | 2,762 | 2,760 | 2,774 | 2,764 | 2,762 | 2,761 | 2,773 | 2,763 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 72 | 73 | 74 | 75 | 77 | 78 | 79 | 80 | 81 | 83 |
| Commercial Customers | 52 | 52 | 53 | 54 | 54 | 55 | 56 | 57 | 57 | 58 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 124 | 126 | 128 | 129 | 131 | 133 | 135 | 137 | 139 | 141 |

| Walla Walla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.24% | 0.47% | 0.90% | 0.91% | 1.35% | 0.53% | 0.96% | 0.99% | 1.40% | 0.59% |
| Residential Therms | 6,769,936 | 6,810,940 | 6,881,827 | 6,954,460 | 7,058,537 | 7,104,801 | 7,182,787 | 7,262,579 | 7,374,400 | 7,425,734 |
| Commercial Therms | 4,359,462 | 4,384,923 | 4,430,023 | 4,476,112 | 4,543,878 | 4,574,295 | 4,625,509 | 4,679,553 | 4,753,593 | 4,789,035 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,885,747 | 12,946,748 | 13,062,735 | 13,181,457 | 13,358,762 | 13,429,980 | 13,559,181 | 13,693,018 | 13,884,341 | 13,965,654 |
| Daily Baseload Therms | 10,718 | 10,806 | 10,895 | 10,985 | 11,080 | 11,179 | 11,278 | 11,379 | 11,484 | 11,589 |
| Peak Day Therms | 180,019 | 182,052 | 184,093 | 186,191 | 188,304 | 190,473 | 192,618 | 194,852 | 197,053 | 199,310 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 |
| Therms Per Commercial Customer | 3,259 | 3,245 | 3,246 | 3,246 | 3,259 | 3,245 | 3,245 | 3,245 | 3,258 | 3,245 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 11,676 | 11,795 | 11,918 | 12,045 | 12,174 | 12,307 | 12,443 | 12,581 | 12,721 | 12,864 |
| Commercial Customers | 1,338 | 1,351 | 1,365 | 1,379 | 1,394 | 1,410 | 1,426 | 1,442 | 1,459 | 1,476 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 13,031 | 13,164 | 13,301 | 13,442 | 13,586 | 13,735 | 13,886 | 14,041 | 14,198 | 14,358 |

| Deming | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.56% | 2.64% | 2.22% | 1.19% | 2.86% | 2.17% | 0.91% | 2.51% | 2.86% | 0.59% |
| Residential Therms | 15,459 | 15,412 | 15,499 | 15,945 | 16,105 | 16,463 | 16,549 | 16,998 | 17,173 | 17,531 |
| Commercial Therms | 146,496 | 150,819 | 154,421 | 155,996 | 160,747 | 164,227 | 165,778 | 169,906 | 175,071 | 175,844 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 161,955 | 166,231 | 169,920 | 171,940 | 176,852 | 180,689 | 182,327 | 186,904 | 192,245 | 193,375 |
| Daily Baseload Therms | 114 | 121 | 121 | 121 | 121 | 129 | 129 | 129 | 137 | 137 |
| Peak Day Therms | 1,713 | 1,718 | 1,822 | 1,827 | 1,827 | 1,936 | 1,936 | 1,942 | 2,045 | 2,051 |
| Therms Per Residential Customer | 535 | 533 | 534 | 533 | 537 | 532 | 534 | 534 | 537 | 534 |
| Therms Per Commercial Customer | 10,162 | 10,168 | 10,071 | 10,119 | 10,260 | 10,055 | 10,098 | 10,194 | 10,100 | 10,096 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 29 | 29 | 29 | 30 | 30 | 31 | 31 | 32 | 32 | 33 |
| Commercial Customers | 14 | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 17 | 17 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 43 | 44 | 44 | 45 | 46 | 47 | 47 | 49 | 49 | 50 |

| Wenatchee | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | -0.92% | -0.85% | -0.72% | -0.99% | -0.29% | -1.18% | -0.87% | -0.54% | -0.27% | -1.44% |
| Residential Therms | 406,619 | 393,246 | 381,311 | 369,509 | 359,065 | 346,254 | 334,881 | 323,651 | 313,541 | 301,431 |
| Commercial Therms | 3,285,450 | 3,266,578 | 3,260,971 | 3,250,854 | 3,249,953 | 3,229,038 | 3,223,983 | 3,215,452 | 3,215,309 | 3,200,822 |
| Industrial Therms | 153,909 | 153,597 | 143,547 | 127,998 | 128,315 | 117,919 | 102,375 | 102,398 | 102,652 | 76,799 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,845,978 | 3,813,422 | 3,785,830 | 3,748,361 | 3,737,333 | 3,693,211 | 3,661,239 | 3,641,502 | 3,631,503 | 3,579,052 |
| Daily Baseload Therms | 8,083 | 8,040 | 8,007 | 7,913 | 7,870 | 7,827 | 7,744 | 7,702 | 7,660 | 7,577 |
| Peak Day Therms | 34,927 | 34,642 | 34,314 | 33,982 | 33,741 | 33,413 | 33,081 | 32,753 | 32,468 | 32,136 |
| Therms Per Residential Customer | 449 | 448 | 448 | 448 | 450 | 448 | 448 | 448 | 450 | 449 |
| Therms Per Commercial Customer | 5,079 | 5,065 | 5,065 | 5,065 | 5,081 | 5,064 | 5,064 | 5,065 | 5,081 | 5,065 |
| Therms Per Industrial Customer | 25,651 | 25,600 | 25,332 | 25,600 | 25,663 | 25,268 | 25,594 | 25,600 | 25,663 | 25,600 |
| Residential Customers | 905 | 878 | 851 | 825 | 798 | 773 | 747 | 722 | 697 | 672 |
| Commercial Customers | 647 | 645 | 644 | 642 | 640 | 638 | 637 | 635 | 633 | 632 |
| Industrial Customers | 6 | 6 | 6 | 5 | 5 | 5 | 4 | 4 | 4 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,558 | 1,529 | 1,501 | 1,472 | 1,443 | 1,415 | 1,388 | 1,361 | 1,333 | 1,307 |

| Finley | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.76% | 2.84% | 1.47% | 1.34% | 3.40% | 0.28% | 1.87% | 2.93% | 0.93% | 1.59% |
| Residential Therms | 19,186 | 19,588 | 20,083 | 20,613 | 20,987 | 21,337 | 21,880 | 22,367 | 22,944 | 23,392 |
| Commercial Therms | 110,537 | 113,824 | 115,296 | 116,583 | 120,872 | 120,916 | 123,035 | 126,798 | 127,610 | 129,557 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 129,723 | 133,412 | 135,379 | 137,197 | 141,859 | 142,253 | 144,915 | 149,165 | 150,554 | 152,949 |
| Daily Baseload Therms | 56 | 56 | 59 | 59 | 60 | 63 | 63 | 64 | 66 | 67 |
| Peak Day Therms | 1,720 | 1,727 | 1,734 | 1,827 | 1,827 | 1,834 | 1,928 | 1,934 | 1,941 | 2,035 |
| Therms Per Residential Customer | 568 | 568 | 567 | 569 | 567 | 564 | 565 | 566 | 570 | 567 |
| Therms Per Commercial Customer | 6,599 | 6,567 | 6,526 | 6,568 | 6,593 | 6,507 | 6,562 | 6,559 | 6,544 | 6,560 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 34 | 35 | 35 | 36 | 37 | 38 | 39 | 40 | 40 | 41 |
| Commercial Customers | 17 | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 20 | 20 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 51 | 52 | 53 | 54 | 55 | 56 | 58 | 59 | 60 | 61 |

| Grandview | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.37% | 0.72% | 1.14% | 1.83% | 1.50% | 0.73% | 1.14% | 1.17% | 1.59% | 0.80% |
| Residential Therms | 702,373 | 706,680 | 713,915 | 721,200 | 731,638 | 736,560 | 744,521 | 752,809 | 764,241 | 769,823 |
| Commercial Therms | 862,429 | 870,655 | 881,639 | 893,023 | 908,571 | 917,008 | 929,598 | 942,558 | 959,983 | 969,754 |
| Industrial Therms | 128,090 | 127,780 | 129,055 | 141,977 | 142,323 | 141,977 | 141,977 | 141,977 | 142,323 | 141,977 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,692,892 | 1,705,115 | 1,724,608 | 1,756,200 | 1,782,532 | 1,795,546 | 1,816,097 | 1,837,344 | 1,866,547 | 1,881,555 |
| Daily Baseload Therms | 2,541 | 2,560 | 2,585 | 2,681 | 2,706 | 2,731 | 2,757 | 2,783 | 2,809 | 2,836 |
| Peak Day Therms | 14,829 | 15,011 | 15,193 | 15,374 | 15,618 | 15,840 | 16,028 | 16,251 | 16,444 | 16,729 |
| Therms Per Residential Customer | 689 | 686 | 686 | 686 | 689 | 686 | 686 | 686 | 689 | 686 |
| Therms Per Commercial Customer | 4,221 | 4,209 | 4,207 | 4,206 | 4,224 | 4,206 | 4,206 | 4,206 | 4,223 | 4,207 |
| Therms Per Industrial Customer | 14,232 | 14,198 | 14,208 | 14,198 | 14,232 | 14,198 | 14,198 | 14,198 | 14,232 | 14,198 |
| Residential Customers | 1,020 | 1,030 | 1,040 | 1,051 | 1,062 | 1,074 | 1,086 | 1,098 | 1,110 | 1,123 |
| Commercial Customers | 204 | 207 | 210 | 212 | 215 | 218 | 221 | 224 | 227 | 231 |
| Industrial Customers | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,233 | 1,246 | 1,259 | 1,273 | 1,287 | 1,302 | 1,317 | 1,332 | 1,347 | 1,363 |

| Zillah (Toppenish) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.97% | 0.60% | 0.96% | 1.15% | 2.01% | 0.59% | 1.13% | 1.73% | 1.45% | 0.77% |
| Residential Therms | 1,131,528 | 1,138,141 | 1,149,733 | 1,161,518 | 1,179,123 | 1,185,882 | 1,198,714 | 1,212,246 | 1,231,352 | 1,239,374 |
| Commercial Therms | 2,166,718 | 2,186,130 | 2,214,245 | 2,242,455 | 2,282,059 | 2,303,212 | 2,335,026 | 2,367,204 | 2,410,895 | 2,435,434 |
| Industrial Therms | 753,897 | 752,653 | 752,653 | 760,970 | 788,849 | 786,440 | 790,805 | 820,969 | 823,088 | 825,364 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 4,119,274 | 4,144,055 | 4,183,762 | 4,232,074 | 4,317,162 | 4,342,665 | 4,391,675 | 4,467,549 | 4,532,466 | 4,567,303 |
| Daily Baseload Therms | 4,297 | 4,332 | 4,367 | 4,406 | 4,504 | 4,543 | 4,583 | 4,685 | 4,725 | 4,770 |
| Peak Day Therms | 46,302 | 46,851 | 47,577 | 48,140 | 48,957 | 49,520 | 50,301 | 50,920 | 51,751 | 52,369 |
| Therms Per Residential Customer | 559 | 556 | 556 | 556 | 559 | 556 | 556 | 556 | 559 | 556 |
| Therms Per Commercial Customer | 3,862 | 3,848 | 3,849 | 3,848 | 3,864 | 3,847 | 3,846 | 3,847 | 3,863 | 3,847 |
| Therms Per Industrial Customer | 31,412 | 31,361 | 31,361 | 31,380 | 31,554 | 31,458 | 31,527 | 31,576 | 31,657 | 31,643 |
| Residential Customers | 2,025 | 2,045 | 2,066 | 2,088 | 2,110 | 2,133 | 2,156 | 2,180 | 2,204 | 2,229 |
| Commercial Customers | 561 | 568 | 575 | 583 | 591 | 599 | 607 | 615 | 624 | 633 |
| Industrial Customers | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 26 | 26 | 26 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,611 | 2,638 | 2,667 | 2,696 | 2,726 | 2,757 | 2,789 | 2,822 | 2,856 | 2,889 |

| Kalama #2 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.84% | 0.71% | 0.84% | 0.67% | 1.39% | 0.55% | 0.82% | 0.96% | 1.40% | 12.98% |
| Residential Therms | 249,079 | 251,902 | 255,663 | 259,255 | 264,234 | 267,260 | 271,928 | 276,106 | 281,486 | 285,254 |
| Commercial Therms | 209,376 | 212,553 | 215,188 | 216,736 | 221,813 | 223,996 | 225,843 | 229,268 | 234,398 | 237,083 |
| Industrial Therms | 302,027 | 301,406 | 301,406 | 301,406 | 302,176 | 301,332 | 301,332 | 301,406 | 302,176 | 401,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 760,481 | 765,861 | 772,257 | 777,397 | 788,223 | 792,588 | 799,103 | 806,781 | 818,060 | 924,213 |
| Daily Baseload Therms | 1,696 | 1,709 | 1,721 | 1,727 | 1,740 | 1,753 | 1,765 | 1,771 | 1,786 | 2,130 |
| Peak Day Therms | 4,944 | 5,004 | 5,610 | 5,671 | 5,704 | 5,765 | 5,825 | 5,894 | 5,954 | 6,023 |
| Therms Per Residential Customer | 1,333 | 1,328 | 1,328 | 1,327 | 1,332 | 1,327 | 1,328 | 1,328 | 1,332 | 1,328 |
| Therms Per Commercial Customer | 4,209 | 4,195 | 4,185 | 4,195 | 4,212 | 4,187 | 4,189 | 4,194 | 4,211 | 4,190 |
| Therms Per Industrial Customer | 100,676 | 100,469 | 100,469 | 100,469 | 100,725 | 100,444 | 100,444 | 100,469 | 100,725 | 100,469 |
| Residential Customers | 187 | 190 | 193 | 195 | 198 | 201 | 205 | 208 | 211 | 215 |
| Commercial Customers | 50 | 51 | 51 | 52 | 53 | 54 | 54 | 55 | 56 | 57 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 240 | 243 | 247 | 250 | 254 | 258 | 262 | 266 | 270 | 275 |

| Lawrence | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.45% | 1.00% | 2.09% | 1.21% | 2.60% | 1.21% | 2.40% | 1.12% | 2.44% | 0.68% |
| Residential Therms | 51,303 | 51,832 | 52,570 | 53,309 | 54,263 | 54,790 | 55,529 | 56,264 | 57,230 | 57,742 |
| Commercial Therms | 24,480 | 24,715 | 25,593 | 25,807 | 26,925 | 27,028 | 28,032 | 28,245 | 29,373 | 29,463 |
| Industrial Therms | 719 | 717 | 717 | 717 | 719 | 1,082 | 1,330 | 1,330 | 1,334 | 1,330 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 76,502 | 77,264 | 78,881 | 79,834 | 81,907 | 82,900 | 84,892 | 85,839 | 87,937 | 88,535 |
| Daily Baseload Therms | 52 | 53 | 53 | 54 | 55 | 56 | 57 | 57 | 58 | 59 |
| Peak Day Therms | 854 | 876 | 883 | 905 | 913 | 934 | 942 | 963 | 979 | 1,000 |
| Therms Per Residential Customer | 743 | 740 | 740 | 740 | 742 | 740 | 740 | 740 | 742 | 739 |
| Therms Per Commercial Customer | 1,224 | 1,211 | 1,219 | 1,224 | 1,224 | 1,224 | 1,219 | 1,224 | 1,224 | 1,223 |
| Therms Per Industrial Customer | 616 | 615 | 615 | 615 | 616 | 590 | 639 | 639 | 640 | 639 |
| Residential Customers | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 |
| Commercial Customers | 20 | 20 | 21 | 21 | 22 | 22 | 23 | 23 | 24 | 24 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 90 | 92 | 93 | 94 | 96 | 98 | 100 | 101 | 103 | 104 |

| Moxee (Beauchene) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.15% | 0.74% | 1.88% | 1.01% | 1.49% | 0.70% | 1.23% | 1.84% | 2.10% | 0.89% |
| Residential Therms | 1,012,384 | 1,010,496 | 1,012,420 | 1,014,710 | 1,021,225 | 1,018,939 | 1,021,514 | 1,024,598 | 1,032,245 | 1,030,895 |
| Commercial Therms | 2,652,331 | 2,680,216 | 2,720,200 | 2,763,123 | 2,822,584 | 2,858,587 | 2,912,786 | 2,965,256 | 3,038,790 | 3,084,725 |
| Industrial Therms | 703,504 | 709,877 | 750,795 | 750,777 | 752,054 | 750,551 | 750,551 | 781,034 | 800,116 | 798,773 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,368,219 | 4,400,589 | 4,483,415 | 4,528,610 | 4,595,863 | 4,628,077 | 4,684,851 | 4,770,889 | 4,871,151 | 4,914,393 |
| Daily Baseload Therms | 4,600 | 4,631 | 4,790 | 4,827 | 4,863 | 4,904 | 4,946 | 4,994 | 5,163 | 5,216 |
| Peak Day Therms | 14,816 | 14,966 | 15,124 | 15,465 | 15,622 | 15,786 | 15,950 | 16,291 | 16,462 | 16,626 |
| Therms Per Residential Customer | 615 | 613 | 613 | 613 | 616 | 613 | 613 | 613 | 616 | 613 |
| Therms Per Commercial Customer | 6,347 | 6,324 | 6,321 | 6,318 | 6,350 | 6,318 | 6,318 | 6,320 | 6,347 | 6,319 |
| Therms Per Industrial Customer | 49,082 | 48,677 | 48,965 | 48,964 | 49,047 | 48,949 | 48,949 | 49,853 | 48,987 | 48,904 |
| Residential Customers | 1,645 | 1,648 | 1,651 | 1,655 | 1,659 | 1,663 | 1,667 | 1,672 | 1,677 | 1,682 |
| Commercial Customers | 418 | 424 | 430 | 437 | 445 | 452 | 461 | 469 | 479 | 488 |
| Industrial Customers | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,077 | 2,087 | 2,097 | 2,108 | 2,119 | 2,130 | 2,143 | 2,157 | 2,172 | 2,187 |

| Othello | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.86% | -0.52% | 1.56% | -0.17% | 1.92% | -0.52% | 1.55% | -0.10% | 0.22% | 1.20% |
| Residential Therms | 585,751 | 580,063 | 576,597 | 573,366 | 572,485 | 566,747 | 563,733 | 560,809 | 560,156 | 554,778 |
| Commercial Therms | 1,009,892 | 1,005,631 | 1,005,314 | 1,004,552 | 1,007,784 | 1,004,140 | 1,004,137 | 1,004,550 | 1,007,773 | 1,004,953 |
| Industrial Therms | 504,757 | 503,046 | 541,919 | 541,919 | 583,196 | 580,548 | 619,408 | 619,666 | 622,196 | 658,540 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,258,202 | 2,246,542 | 2,281,632 | 2,277,640 | 2,321,268 | 2,309,237 | 2,345,080 | 2,342,828 | 2,347,927 | 2,376,073 |
| Daily Baseload Therms | 2,980 | 2,977 | 3,055 | 3,053 | 3,132 | 3,130 | 3,209 | 3,206 | 3,204 | 3,283 |
| Peak Day Therms | 21,252 | 21,567 | 21,584 | 21,869 | 21,917 | 22,202 | 22,220 | 22,237 | 22,559 | 22,577 |
| Therms Per Residential Customer | 608 | 606 | 606 | 606 | 609 | 606 | 606 | 606 | 609 | 606 |
| Therms Per Commercial Customer | 3,757 | 3,747 | 3,747 | 3,746 | 3,758 | 3,744 | 3,744 | 3,746 | 3,758 | 3,746 |
| Therms Per Industrial Customer | 29,692 | 29,591 | 30,107 | 30,107 | 30,695 | 30,555 | 30,970 | 30,983 | 31,110 | 31,359 |
| Residential Customers | 963 | 957 | 951 | 946 | 940 | 935 | 930 | 925 | 920 | 915 |
| Commercial Customers | 269 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 |
| Industrial Customers | 17 | 17 | 18 | 18 | 19 | 19 | 20 | 20 | 20 | 21 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,250 | 1,243 | 1,239 | 1,233 | 1,228 | 1,223 | 1,219 | 1,214 | 1,209 | 1,205 |

| North Pasco | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.67% | 1.81% | 2.19% | 2.26% | 2.68% | 1.82% | 2.22% | 2.23% | 2.66% | 1.78% |
| Residential Therms | 3,560,615 | 3,640,526 | 3,738,410 | 3,838,446 | 3,957,916 | 4,045,320 | 4,151,715 | 4,260,050 | 4,389,649 | 4,483,103 |
| Commercial Therms | 2,076,055 | 2,100,502 | 2,130,579 | 2,165,498 | 2,209,835 | 2,236,554 | 2,272,122 | 2,309,123 | 2,356,712 | 2,385,224 |
| Industrial Therms | 106,845 | 106,669 | 106,669 | 106,669 | 106,825 | 106,679 | 106,679 | 106,669 | 106,825 | 106,669 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,743,515 | 5,847,697 | 5,975,658 | 6,110,613 | 6,274,576 | 6,388,553 | 6,530,516 | 6,675,842 | 6,853,186 | 6,974,996 |
| Daily Baseload Therms | 3,697 | 3,772 | 3,855 | 3,932 | 4,017 | 4,104 | 4,191 | 4,280 | 4,370 | 4,461 |
| Peak Day Therms | 83,797 | 85,828 | 87,897 | 89,858 | 91,964 | 94,125 | 96,287 | 98,379 | 100,597 | 103,254 |
| Therms Per Residential Customer | 1,340 | 1,334 | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 | 1,339 | 1,333 |
| Therms Per Commercial Customer | 9,324 | 9,287 | 9,284 | 9,287 | 9,327 | 9,287 | 9,287 | 9,286 | 9,324 | 9,284 |
| Therms Per Industrial Customer | 53,422 | 53,335 | 53,335 | 53,335 | 53,413 | 53,340 | 53,340 | 53,335 | 53,413 | 53,335 |
| Residential Customers | 2,657 | 2,730 | 2,803 | 2,878 | 2,955 | 3,033 | 3,113 | 3,195 | 3,277 | 3,362 |
| Commercial Customers | 223 | 226 | 230 | 233 | 237 | 241 | 245 | 249 | 253 | 257 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,882 | 2,958 | 3,034 | 3,113 | 3,194 | 3,276 | 3,360 | 3,445 | 3,532 | 3,621 |

| Patterson | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.10% | -0.10% | 0.00% | 14.68% | 4.92% | -0.35% | 0.00% | 0.08% | 0.27% | -0.26% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Daily Baseload Therms | 476 | 476 | 476 | 476 | 476 | 476 | 571 | 571 | 571 | 571 |
| Peak Day Therms | 1,092 | 1,092 | 1,092 | 1,092 | 1,310 | 1,310 | 1,310 | 1,310 | 1,310 | 1,310 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,842 | 48,794 | 48,794 | 55,955 | 58,708 | 57,545 | 50,146 | 48,794 | 48,923 | 48,794 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |

| Prosser | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.23% | 1.44% | 1.79% | 1.82% | 2.21% | 1.28% | 1.68% | 1.78% | 2.10% | 1.23% |
| Residential Therms | 339,948 | 346,824 | 355,006 | 363,468 | 373,514 | 380,107 | 388,413 | 396,742 | 407,301 | 413,764 |
| Commercial Therms | 564,668 | 572,585 | 582,619 | 593,081 | 605,987 | 613,574 | 623,601 | 635,012 | 647,899 | 656,059 |
| Industrial Therms | 100,311 | 99,985 | 99,985 | 99,985 | 100,348 | 99,966 | 99,966 | 99,985 | 100,348 | 99,985 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,004,927 | 1,019,394 | 1,037,609 | 1,056,534 | 1,079,849 | 1,093,647 | 1,111,980 | 1,131,739 | 1,155,548 | 1,169,808 |
| Daily Baseload Therms | 783 | 796 | 810 | 826 | 840 | 853 | 867 | 880 | 894 | 910 |
| Peak Day Therms | 11,566 | 11,806 | 12,011 | 12,217 | 12,741 | 12,947 | 13,152 | 13,392 | 13,604 | 13,809 |
| Therms Per Residential Customer | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,363 | 3,350 | 3,350 | 3,349 | 3,363 | 3,348 | 3,348 | 3,350 | 3,363 | 3,349 |
| Therms Per Industrial Customer | 33,437 | 33,328 | 33,328 | 33,328 | 33,449 | 33,322 | 33,322 | 33,328 | 33,449 | 33,328 |
| Residential Customers | 601 | 616 | 630 | 645 | 660 | 675 | 690 | 705 | 720 | 735 |
| Commercial Customers | 168 | 171 | 174 | 177 | 180 | 183 | 186 | 190 | 193 | 196 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 772 | 790 | 807 | 825 | 843 | 861 | 879 | 897 | 916 | 934 |

| Quincy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.21% | 0.77% | 1.13% | 1.08% | 1.41% | 0.78% | 1.39% | 1.39% | 1.96% | 1.06% |
| Residential Therms | 30,844 | 30,377 | 30,087 | 29,788 | 29,329 | 28,995 | 28,592 | 28,245 | 28,144 | 27,499 |
| Commercial Therms | 534,823 | 541,542 | 550,429 | 559,093 | 569,889 | 577,237 | 588,751 | 600,233 | 615,754 | 625,936 |
| Industrial Therms | 192,536 | 192,116 | 192,116 | 192,116 | 192,799 | 191,985 | 191,985 | 192,116 | 192,799 | 192,116 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 758,203 | 764,034 | 772,632 | 780,997 | 792,017 | 798,218 | 809,328 | 820,594 | 836,697 | 845,551 |
| Daily Baseload Therms | 1,157 | 1,171 | 1,184 | 1,198 | 1,212 | 1,240 | 1,254 | 1,267 | 1,295 | 1,323 |
| Peak Day Therms | 5,624 | 5,673 | 5,766 | 5,815 | 5,908 | 6,000 | 6,049 | 6,142 | 6,239 | 6,332 |
| Therms Per Residential Customer | 596 | 595 | 596 | 595 | 598 | 594 | 595 | 596 | 598 | 596 |
| Therms Per Commercial Customer | 8,134 | 8,113 | 8,114 | 8,113 | 8,141 | 8,102 | 8,102 | 8,111 | 8,138 | 8,103 |
| Therms Per Industrial Customer | 38,507 | 38,423 | 38,423 | 38,423 | 38,560 | 38,397 | 38,397 | 38,423 | 38,560 | 38,423 |
| Residential Customers | 52 | 51 | 51 | 50 | 49 | 49 | 48 | 47 | 47 | 46 |
| Commercial Customers | 66 | 67 | 68 | 69 | 70 | 71 | 73 | 74 | 76 | 77 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 123 | 123 | 123 | 124 | 124 | 125 | 126 | 126 | 128 | 128 |

| Sunnyside | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.47% | 1.28% | 1.02% | 1.06% | 1.49% | 0.73% | 1.77% | 1.12% | 1.55% | 0.80% |
| Residential Therms | 1,132,136 | 1,138,405 | 1,149,903 | 1,161,889 | 1,179,304 | 1,186,245 | 1,199,219 | 1,212,488 | 1,231,419 | 1,239,717 |
| Commercial Therms | 1,833,619 | 1,848,607 | 1,872,109 | 1,897,166 | 1,930,431 | 1,948,108 | 1,975,025 | 2,002,650 | 2,039,531 | 2,059,875 |
| Industrial Therms | 438,708 | 461,181 | 461,181 | 461,181 | 462,801 | 464,375 | 488,240 | 488,310 | 490,024 | 491,572 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,404,464 | 3,448,193 | 3,483,193 | 3,520,236 | 3,572,536 | 3,598,727 | 3,662,484 | 3,703,447 | 3,760,974 | 3,791,164 |
| Daily Baseload Therms | 2,999 | 3,082 | 3,109 | 3,137 | 3,165 | 3,193 | 3,279 | 3,310 | 3,341 | 3,373 |
| Peak Day Therms | 37,399 | 38,027 | 38,474 | 38,928 | 39,633 | 40,093 | 40,584 | 41,296 | 41,794 | 42,292 |
| Therms Per Residential Customer | 572 | 569 | 569 | 569 | 572 | 569 | 569 | 569 | 571 | 569 |
| Therms Per Commercial Customer | 3,182 | 3,169 | 3,169 | 3,169 | 3,182 | 3,168 | 3,168 | 3,168 | 3,181 | 3,168 |
| Therms Per Industrial Customer | 27,277 | 27,128 | 27,128 | 27,128 | 27,224 | 27,183 | 27,124 | 27,128 | 27,224 | 27,184 |
| Residential Customers | 1,981 | 2,000 | 2,021 | 2,042 | 2,063 | 2,086 | 2,109 | 2,132 | 2,156 | 2,180 |
| Commercial Customers | 576 | 583 | 591 | 599 | 607 | 615 | 623 | 632 | 641 | 650 |
| Industrial Customers | 16 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,573 | 2,601 | 2,629 | 2,658 | 2,687 | 2,718 | 2,750 | 2,782 | 2,815 | 2,849 |

| Moses Lake | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.26% | -0.27% | 0.01% | 0.01% | 0.35% | 0.87% | 2.41% | 0.84% | 0.37% | -0.35% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 37,930 | 37,800 | 37,800 | 37,800 | 37,963 | 39,903 | 43,960 | 45,360 | 45,556 | 45,360 |
| Industrial Therms | 128,806 | 128,494 | 128,503 | 128,512 | 128,925 | 128,440 | 128,440 | 128,494 | 128,934 | 128,512 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 166,737 | 166,294 | 166,303 | 166,312 | 166,888 | 168,342 | 172,399 | 173,854 | 174,490 | 173,872 |
| Daily Baseload Therms | 167 | 167 | 167 | 167 | 167 | 167 | 174 | 174 | 174 | 174 |
| Peak Day Therms | 31,675 | 32,112 | 32,608 | 33,098 | 33,594 | 34,150 | 34,700 | 35,255 | 35,871 | 36,486 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,586 | 7,560 | 7,560 | 7,560 | 7,593 | 7,723 | 7,536 | 7,560 | 7,593 | 7,560 |
| Therms Per Industrial Customer | 21,770 | 21,717 | 21,719 | 21,720 | 21,790 | 21,708 | 21,708 | 21,717 | 21,792 | 21,720 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |

| Woodland | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.18% | 0.69% | 0.94% | 1.00% | 3.22% | 0.58% | 1.05% | 1.16% | 1.48% | 0.70% |
| Residential Therms | 407,063 | 411,511 | 417,634 | 423,908 | 432,295 | 436,925 | 443,763 | 451,078 | 460,259 | 465,610 |
| Commercial Therms | 723,334 | 730,564 | 739,188 | 748,843 | 761,955 | 768,702 | 779,418 | 791,413 | 806,072 | 814,270 |
| Industrial Therms | 432,621 | 431,805 | 431,805 | 431,805 | 462,020 | 460,313 | 460,313 | 460,592 | 462,020 | 460,592 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,563,017 | 1,573,879 | 1,588,627 | 1,604,556 | 1,656,270 | 1,665,941 | 1,683,495 | 1,703,084 | 1,728,352 | 1,740,472 |
| Daily Baseload Therms | 2,118 | 2,131 | 2,147 | 2,164 | 2,247 | 2,264 | 2,281 | 2,298 | 2,315 | 2,336 |
| Peak Day Therms | 14,993 | 15,213 | 15,405 | 15,788 | 15,980 | 16,212 | 16,437 | 16,669 | 16,901 | 17,289 |
| Therms Per Residential Customer | 611 | 609 | 609 | 609 | 612 | 609 | 609 | 609 | 612 | 609 |
| Therms Per Commercial Customer | 3,446 | 3,435 | 3,435 | 3,435 | 3,449 | 3,432 | 3,432 | 3,433 | 3,450 | 3,435 |
| Therms Per Industrial Customer | 28,841 | 28,787 | 28,787 | 28,787 | 28,876 | 28,770 | 28,770 | 28,787 | 28,876 | 28,787 |
| Residential Customers | 666 | 676 | 686 | 696 | 707 | 718 | 729 | 741 | 753 | 765 |
| Commercial Customers | 210 | 213 | 215 | 218 | 221 | 224 | 227 | 231 | 234 | 237 |
| Industrial Customers | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 16 | 16 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 891 | 903 | 916 | 929 | 944 | 958 | 972 | 987 | 1,002 | 1,018 |

| A/M Rendering | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.67% | 2.23% | 0.34% | 2.49% | 0.65% | 2.09% | 0.32% | 2.35% | 2.37% | 0.54% |
| Residential Therms | 506,527 | 517,940 | 519,709 | 532,738 | 536,218 | 547,536 | 549,306 | 562,335 | 575,742 | 578,903 |
| Commercial Therms | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 510,502 | 521,904 | 523,673 | 536,702 | 540,194 | 551,500 | 553,270 | 566,298 | 579,717 | 582,866 |
| Daily Baseload Therms | 943 | 970 | 970 | 997 | 997 | 1,025 | 1,025 | 1,052 | 1,080 | 1,080 |
| Peak Day Therms | 4,049 | 4,163 | 4,163 | 4,278 | 4,278 | 4,393 | 4,508 | 4,508 | 4,623 | 4,651 |
| Therms Per Residential Customer | 14,861 | 14,798 | 14,814 | 14,798 | 14,861 | 14,798 | 14,813 | 14,798 | 14,826 | 14,812 |
| Therms Per Commercial Customer | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 34 | 35 | 35 | 36 | 36 | 37 | 37 | 38 | 39 | 39 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 35 | 36 | 36 | 37 | 37 | 38 | 38 | 39 | 40 | 40 |

| LDS Church | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.48% | -0.48% | 5.49% | 7.54% | 0.48% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% |
| Residential Therms | 2,602 | 2,589 | 3,118 | 3,884 | 3,903 | 3,884 | 3,884 | 3,884 | 3,903 | 3,884 |
| Commercial Therms | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,671 | 9,624 | 10,153 | 10,919 | 10,971 | 10,919 | 10,919 | 10,919 | 10,971 | 10,919 |
| Daily Baseload Therms | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Peak Day Therms | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
| Therms Per Residential Customer | 1,301 | 1,295 | 1,336 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 |
| Therms Per Commercial Customer | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| Kalama #1 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.99% | -0.98% | 0.00% | 0.00% | 0.99% | 1.31% | 30.32% | 0.00% | 0.99% | -0.98% |
| Residential Therms | 1,020 | 1,010 | 1,010 | 1,010 | 1,020 | 1,033 | 1,347 | 1,347 | 1,360 | 1,347 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,020 | 1,010 | 1,010 | 1,010 | 1,020 | 1,033 | 1,347 | 1,347 | 1,360 | 1,347 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 340 | 337 | 337 | 337 | 340 | 326 | 337 | 337 | 340 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |

| Dehawn Dairy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% |
| Residential Therms | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 530 | 525 | 525 | 525 | 530 | 525 | 525 | 525 | 530 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| Yakima Chief Ranch | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| 7th Day School | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.85% | -0.55% | 0.00% | 0.00% | 0.55% | 0.58% | 2.36% | 2.20% | 0.56% | -0.55% |
| Residential Therms | 11,816 | 11,750 | 11,750 | 11,750 | 11,816 | 11,942 | 12,345 | 12,729 | 12,801 | 12,729 |
| Commercial Therms | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Industrial Therms | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 16,960 | 16,867 | 16,867 | 16,867 | 16,960 | 17,059 | 17,462 | 17,846 | 17,945 | 17,846 |
| Daily Baseload Therms | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Peak Day Therms | 127 | 127 | 127 | 127 | 127 | 127 | 134 | 134 | 134 | 134 |
| Therms Per Residential Customer | 985 | 979 | 979 | 979 | 985 | 988 | 1,008 | 979 | 985 | 979 |
| Therms Per Commercial Customer | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Therms Per Industrial Customer | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 |
| Residential Customers | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 |

| Yakima Training Center | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 0.67% | 1.46% | 1.14% | 1.76% | 0.91% | 1.56% | 1.17% | 2.14% | 0.71% |
| Residential Therms | 4,869 | 4,872 | 4,906 | 5,013 | 5,074 | 5,050 | 5,084 | 5,225 | 5,255 | 5,265 |
| Commercial Therms | 395,270 | 397,939 | 403,766 | 408,330 | 415,538 | 419,389 | 425,959 | 430,871 | 440,155 | 443,304 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 400,139 | 402,810 | 408,673 | 413,344 | 420,612 | 424,438 | 431,044 | 436,096 | 445,410 | 448,569 |
| Daily Baseload Therms | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 80 |
| Peak Day Therms | 4,502 | 4,580 | 4,620 | 4,700 | 4,779 | 4,820 | 4,899 | 4,977 | 5,058 | 5,137 |
| Therms Per Residential Customer | 183 | 179 | 180 | 182 | 181 | 179 | 180 | 181 | 180 | 180 |
| Therms Per Commercial Customer | 3,738 | 3,719 | 3,724 | 3,718 | 3,738 | 3,717 | 3,723 | 3,717 | 3,741 | 3,717 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 27 | 27 | 27 | 28 | 28 | 28 | 28 | 29 | 29 | 29 |
| Commercial Customers | 106 | 107 | 108 | 110 | 111 | 113 | 114 | 116 | 118 | 119 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 132 | 134 | 136 | 137 | 139 | 141 | 143 | 145 | 147 | 149 |

| Burbank Heights Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.55% | 1.82% | 2.20% | 2.20% | 2.67% | 1.75% | 2.41% | 2.22% | 2.66% | 1.76% |
| Residential Therms | 4,057,316 | 4,150,383 | 4,261,318 | 4,374,596 | 4,509,587 | 4,607,025 | 4,727,506 | 4,851,329 | 4,998,061 | 5,104,112 |
| Commercial Therms | 2,412,165 | 2,439,470 | 2,476,469 | 2,514,696 | 2,566,870 | 2,595,785 | 2,636,558 | 2,679,419 | 2,736,726 | 2,769,450 |
| Industrial Therms | 140,711 | 140,590 | 140,590 | 140,590 | 140,795 | 140,548 | 156,165 | 156,211 | 156,439 | 156,211 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,610,192 | 6,730,443 | 6,878,378 | 7,029,882 | 7,217,252 | 7,343,358 | 7,520,228 | 7,686,959 | 7,891,226 | 8,029,774 |
| Daily Baseload Therms | 6,330 | 6,461 | 6,596 | 6,736 | 6,882 | 7,026 | 7,209 | 7,361 | 7,517 | 7,675 |
| Peak Day Therms | 82,736 | 84,734 | 86,707 | 88,677 | 90,734 | 92,788 | 94,869 | 97,007 | 99,203 | 101,396 |
| Therms Per Residential Customer | 377 | 375 | 375 | 375 | 377 | 375 | 375 | 375 | 377 | 375 |
| Therms Per Commercial Customer | 2,651 | 2,641 | 2,641 | 2,641 | 2,652 | 2,641 | 2,641 | 2,641 | 2,652 | 2,641 |
| Therms Per Industrial Customer | 15,635 | 15,621 | 15,621 | 15,621 | 15,644 | 15,616 | 15,616 | 15,621 | 15,644 | 15,621 |
| Residential Customers | 10,766 | 11,055 | 11,351 | 11,653 | 11,961 | 12,276 | 12,597 | 12,924 | 13,258 | 13,598 |
| Commercial Customers | 910 | 924 | 938 | 952 | 968 | 983 | 999 | 1,014 | 1,032 | 1,049 |
| Industrial Customers | 9 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 | 10 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 11,685 | 11,988 | 12,297 | 12,614 | 12,938 | 13,268 | 13,605 | 13,948 | 14,300 | 14,656 |

| East Stanwood Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.89% | 0.17% | 0.59% | 1.14% | 1.82% | 0.22% | 0.65% | 0.69% | 1.10% | 0.38% |
| Residential Therms | 6,014,402 | 6,071,004 | 6,153,316 | 6,237,178 | 6,348,839 | 6,409,043 | 6,497,642 | 6,588,240 | 6,707,602 | 6,779,903 |
| Commercial Therms | 3,217,502 | 3,178,039 | 3,153,142 | 3,127,348 | 3,116,269 | 3,080,057 | 3,057,859 | 3,037,268 | 3,029,628 | 2,998,029 |
| Industrial Therms | 431,725 | 430,719 | 430,719 | 484,747 | 565,324 | 563,823 | 563,823 | 563,904 | 565,324 | 563,904 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 9,765,649 | 9,781,783 | 9,839,198 | 9,951,293 | 10,132,451 | 10,154,942 | 10,221,345 | 10,291,433 | 10,404,574 | 10,443,856 |
| Daily Baseload Therms | 10,131 | 10,169 | 10,213 | 10,640 | 10,687 | 10,736 | 10,789 | 10,840 | 10,896 | 10,953 |
| Peak Day Therms | 93,755 | 94,817 | 95,850 | 96,935 | 97,999 | 99,102 | 100,150 | 101,244 | 102,377 | 103,488 |
| Therms Per Residential Customer | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 |
| Therms Per Commercial Customer | 3,888 | 3,873 | 3,872 | 3,873 | 3,888 | 3,872 | 3,872 | 3,872 | 3,888 | 3,872 |
| Therms Per Industrial Customer | 107,931 | 107,680 | 107,680 | 109,754 | 113,065 | 112,765 | 112,765 | 112,781 | 113,065 | 112,781 |
| Residential Customers | 9,006 | 9,127 | 9,250 | 9,377 | 9,505 | 9,636 | 9,770 | 9,905 | 10,043 | 10,189 |
| Commercial Customers | 828 | 821 | 814 | 808 | 801 | 795 | 790 | 784 | 779 | 774 |
| Industrial Customers | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 9,838 | 9,952 | 10,070 | 10,190 | 10,313 | 10,438 | 10,565 | 10,695 | 10,828 | 10,969 |

| Kennewick Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.54% | 1.69% | 2.06% | 2.02% | 2.41% | 1.54% | 1.92% | 1.90% | 2.28% | 1.42% |
| Residential Therms | 11,880,671 | 12,117,905 | 12,406,794 | 12,696,889 | 13,044,940 | 13,279,549 | 13,572,547 | 13,867,227 | 14,223,976 | 14,457,312 |
| Commercial Therms | 12,532,286 | 12,713,328 | 12,941,073 | 13,169,573 | 13,451,355 | 13,630,025 | 13,860,000 | 14,092,907 | 14,380,347 | 14,558,063 |
| Industrial Therms | 43,096 | 42,257 | 42,257 | 42,257 | 43,144 | 42,234 | 42,234 | 42,257 | 43,144 | 42,257 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 24,691,015 | 25,108,452 | 25,625,087 | 26,143,681 | 26,774,401 | 27,186,769 | 27,709,742 | 28,237,354 | 28,882,430 | 29,292,594 |
| Daily Baseload Therms | 22,962 | 23,428 | 23,895 | 24,367 | 24,836 | 25,310 | 25,779 | 26,254 | 26,730 | 27,211 |
| Peak Day Therms | 330,619 | 337,856 | 345,051 | 352,288 | 359,475 | 366,713 | 373,951 | 381,145 | 388,383 | 395,569 |
| Therms Per Residential Customer | 606 | 603 | 603 | 603 | 606 | 603 | 603 | 603 | 605 | 603 |
| Therms Per Commercial Customer | 4,321 | 4,305 | 4,305 | 4,304 | 4,321 | 4,304 | 4,304 | 4,304 | 4,320 | 4,304 |
| Therms Per Industrial Customer | 8,619 | 8,451 | 8,451 | 8,451 | 8,629 | 8,447 | 8,447 | 8,451 | 8,629 | 8,451 |
| Residential Customers | 19,619 | 20,097 | 20,577 | 21,059 | 21,543 | 22,029 | 22,515 | 23,004 | 23,493 | 23,984 |
| Commercial Customers | 2,900 | 2,953 | 3,006 | 3,060 | 3,113 | 3,167 | 3,221 | 3,275 | 3,329 | 3,383 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 22,526 | 23,057 | 23,590 | 24,125 | 24,662 | 25,202 | 25,742 | 26,284 | 26,828 | 27,373 |

| Longview South Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.49% | 0.83% | 1.23% | 1.66% | 1.70% | 0.87% | 1.34% | 1.39% | 1.81% | 1.33% |
| Residential Therms | 805,302 | 814,070 | 826,086 | 838,564 | 854,950 | 864,345 | 877,934 | 892,170 | 910,350 | 921,139 |
| Commercial Therms | 3,252,289 | 3,280,582 | 3,322,267 | 3,365,909 | 3,424,909 | 3,456,783 | 3,504,929 | 3,555,592 | 3,622,265 | 3,659,442 |
| Industrial Therms | 191,694 | 190,701 | 190,701 | 208,351 | 209,597 | 208,256 | 208,256 | 208,351 | 209,597 | 226,001 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 4,340,985 | 4,377,054 | 4,430,755 | 4,504,524 | 4,581,157 | 4,621,085 | 4,682,819 | 4,747,814 | 4,833,913 | 4,898,283 |
| Daily Baseload Therms | 3,970 | 4,019 | 4,068 | 4,137 | 4,190 | 4,247 | 4,303 | 4,363 | 4,424 | 4,502 |
| Peak Day Therms | 48,988 | 49,693 | 50,611 | 51,356 | 52,105 | 52,888 | 53,676 | 54,504 | 55,469 | 56,331 |
| Therms Per Residential Customer | 400 | 398 | 398 | 398 | 400 | 398 | 398 | 398 | 400 | 398 |
| Therms Per Commercial Customer | 3,458 | 3,446 | 3,446 | 3,446 | 3,460 | 3,444 | 3,444 | 3,445 | 3,459 | 3,445 |
| Therms Per Industrial Customer | 11,981 | 11,919 | 11,919 | 12,256 | 12,329 | 12,250 | 12,250 | 12,256 | 12,329 | 12,556 |
| Residential Customers | 2,015 | 2,044 | 2,075 | 2,106 | 2,138 | 2,172 | 2,206 | 2,241 | 2,277 | 2,314 |
| Commercial Customers | 940 | 952 | 964 | 977 | 990 | 1,004 | 1,018 | 1,032 | 1,047 | 1,062 |
| Industrial Customers | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 17 | 18 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,972 | 3,013 | 3,056 | 3,101 | 3,146 | 3,193 | 3,242 | 3,291 | 3,342 | 3,395 |

| Sedro-Woolley Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.50% | 0.76% | 1.12% | 1.17% | 1.55% | 0.75% | 1.14% | 1.19% | 1.57% | 0.72% |
| Residential Therms | 19,021,959 | 19,154,627 | 19,368,353 | 19,587,005 | 19,894,441 | 20,035,968 | 20,268,495 | 20,507,718 | 20,837,328 | 20,995,347 |
| Commercial Therms | 10,058,753 | 10,110,817 | 10,201,394 | 10,293,354 | 10,429,516 | 10,479,793 | 10,574,098 | 10,670,748 | 10,812,320 | 10,864,434 |
| Industrial Therms | 1,816,755 | 1,868,339 | 1,911,455 | 1,968,942 | 2,019,134 | 2,069,279 | 2,112,389 | 2,170,148 | 2,221,047 | 2,256,379 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 30,897,466 | 31,133,783 | 31,481,202 | 31,849,301 | 32,343,092 | 32,585,040 | 32,954,982 | 33,348,615 | 33,870,695 | 34,116,160 |
| Daily Baseload Therms | 26,960 | 27,308 | 27,631 | 27,986 | 28,320 | 28,685 | 29,028 | 29,400 | 29,750 | 30,106 |
| Peak Day Therms | 306,680 | 310,475 | 314,200 | 318,061 | 321,872 | 325,833 | 329,703 | 333,750 | 337,728 | 341,724 |
| Therms Per Residential Customer | 682 | 679 | 679 | 679 | 682 | 679 | 679 | 679 | 682 | 679 |
| Therms Per Commercial Customer | 2,907 | 2,896 | 2,896 | 2,896 | 2,908 | 2,896 | 2,895 | 2,896 | 2,908 | 2,896 |
| Therms Per Industrial Customer | 14,419 | 14,372 | 14,372 | 14,372 | 14,422 | 14,370 | 14,370 | 14,372 | 14,422 | 14,372 |
| Residential Customers | 27,884 | 28,192 | 28,507 | 28,829 | 29,158 | 29,494 | 29,837 | 30,186 | 30,542 | 30,905 |
| Commercial Customers | 3,460 | 3,491 | 3,523 | 3,555 | 3,587 | 3,619 | 3,652 | 3,685 | 3,719 | 3,752 |
| Industrial Customers | 126 | 130 | 133 | 137 | 140 | 144 | 147 | 151 | 154 | 157 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 31,470 | 31,813 | 32,163 | 32,521 | 32,885 | 33,258 | 33,636 | 34,022 | 34,415 | 34,814 |

| Sumas SPE Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.97% | 1.21% | 1.63% | 1.65% | 2.08% | 1.28% | 1.71% | 1.72% | 2.14% | 1.33% |
| Residential Therms | 34,884,108 | 35,223,611 | 35,714,462 | 36,217,829 | 36,884,126 | 37,259,616 | 37,799,768 | 38,353,956 | 39,077,474 | 39,493,758 |
| Commercial Therms | 17,917,630 | 18,199,709 | 18,564,610 | 18,943,706 | 19,413,742 | 19,743,864 | 20,165,209 | 20,601,217 | 21,133,141 | 21,512,512 |
| Industrial Therms | 1,503,085 | 1,537,902 | 1,577,441 | 1,616,973 | 1,661,724 | 1,695,915 | 1,735,577 | 1,775,115 | 1,820,500 | 1,846,919 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 54,304,822 | 54,961,223 | 55,856,513 | 56,778,509 | 57,959,592 | 58,699,395 | 59,700,553 | 60,730,288 | 62,031,114 | 62,853,188 |
| Daily Baseload Therms | 49,337 | 50,157 | 51,002 | 51,876 | 52,775 | 53,707 | 54,663 | 55,644 | 56,653 | 57,686 |
| Peak Day Therms | 558,899 | 568,338 | 578,009 | 587,932 | 598,094 | 608,472 | 619,089 | 629,959 | 641,052 | 652,377 |
| Therms Per Residential Customer | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 |
| Therms Per Commercial Customer | 3,042 | 3,030 | 3,030 | 3,030 | 3,042 | 3,029 | 3,029 | 3,029 | 3,041 | 3,029 |
| Therms Per Industrial Customer | 19,821 | 19,759 | 19,759 | 19,759 | 19,822 | 19,758 | 19,760 | 19,760 | 19,824 | 19,683 |
| Residential Customers | 49,070 | 49,746 | 50,440 | 51,152 | 51,882 | 52,629 | 53,393 | 54,173 | 54,971 | 55,785 |
| Commercial Customers | 5,891 | 6,006 | 6,127 | 6,252 | 6,383 | 6,517 | 6,657 | 6,800 | 6,949 | 7,101 |
| Industrial Customers | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 55,036 | 55,830 | 56,647 | 57,486 | 58,348 | 59,232 | 60,137 | 61,063 | 62,012 | 62,981 |

| Yakima Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.51% | 0.74% | 1.16% | 1.16% | 1.62% | 0.79% | 1.23% | 1.25% | 1.68% | 0.83% |
| Residential Therms | 13,158,988 | 13,233,873 | 13,367,351 | 13,504,850 | 13,706,583 | 13,790,391 | 13,939,886 | 14,094,848 | 14,314,097 | 14,411,043 |
| Commercial Therms | 13,169,979 | 13,283,178 | 13,453,039 | 13,629,127 | 13,868,196 | 13,995,945 | 14,188,528 | 14,387,988 | 14,650,718 | 14,795,933 |
| Industrial Therms | 2,930,501 | 2,960,659 | 3,000,722 | 3,035,080 | 3,086,739 | 3,120,285 | 3,160,326 | 3,200,996 | 3,253,236 | 3,281,123 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 29,468,935 | 29,687,177 | 30,030,579 | 30,378,524 | 30,870,985 | 31,116,087 | 31,498,207 | 31,893,299 | 32,427,518 | 32,697,566 |
| Daily Baseload Therms | 21,738 | 21,999 | 22,265 | 22,540 | 22,819 | 23,107 | 23,399 | 23,699 | 24,005 | 24,314 |
| Peak Day Therms | 327,140 | 331,249 | 335,799 | 340,089 | 344,814 | 349,278 | 354,141 | 358,742 | 363,735 | 368,504 |
| Therms Per Residential Customer | 669 | 666 | 666 | 666 | 669 | 665 | 665 | 665 | 668 | 665 |
| Therms Per Commercial Customer | 3,584 | 3,569 | 3,569 | 3,569 | 3,584 | 3,568 | 3,568 | 3,568 | 3,583 | 3,568 |
| Therms Per Industrial Customer | 37,530 | 37,437 | 37,470 | 37,470 | 37,643 | 37,556 | 37,586 | 37,622 | 37,792 | 37,678 |
| Residential Customers | 19,680 | 19,876 | 20,079 | 20,287 | 20,503 | 20,724 | 20,951 | 21,183 | 21,421 | 21,664 |
| Commercial Customers | 3,675 | 3,721 | 3,769 | 3,819 | 3,870 | 3,923 | 3,977 | 4,032 | 4,089 | 4,147 |
| Industrial Customers | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 23,435 | 23,678 | 23,930 | 24,189 | 24,457 | 24,732 | 25,014 | 25,303 | 25,599 | 25,900 |

| Zone 10 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.73% | 0.93% | 1.09% | 1.30% | 1.77% | 0.73% | 1.40% | 1.44% | 1.57% | 0.83% |
| Residential Therms | 3,318,861 | 3,342,850 | 3,381,357 | 3,420,875 | 3,476,456 | 3,501,787 | 3,544,262 | 3,588,064 | 3,648,174 | 3,676,459 |
| Commercial Therms | 5,431,075 | 5,481,598 | 5,554,232 | 5,629,346 | 5,730,689 | 5,785,522 | 5,866,871 | 5,951,045 | 6,061,949 | 6,124,743 |
| Industrial Therms | 1,422,509 | 1,443,095 | 1,444,369 | 1,465,609 | 1,495,823 | 1,494,253 | 1,522,484 | 1,552,736 | 1,557,286 | 1,560,394 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 10,239,577 | 10,334,674 | 10,447,089 | 10,582,961 | 10,770,098 | 10,848,694 | 11,000,748 | 11,158,975 | 11,334,540 | 11,428,726 |
| Daily Baseload Therms | 10,627 | 10,777 | 10,877 | 11,056 | 11,221 | 11,327 | 11,492 | 11,665 | 11,777 | 11,896 |
| Peak Day Therms | 110,262 | 111,862 | 113,421 | 114,824 | 117,115 | 118,566 | 120,239 | 122,032 | 123,766 | 125,373 |
| Therms Per Residential Customer | 588 | 586 | 586 | 586 | 588 | 585 | 585 | 585 | 588 | 585 |
| Therms Per Commercial Customer | 3,596 | 3,583 | 3,582 | 3,581 | 3,596 | 3,581 | 3,580 | 3,580 | 3,595 | 3,580 |
| Therms Per Industrial Customer | 26,798 | 26,724 | 26,706 | 26,527 | 26,711 | 26,643 | 26,671 | 26,771 | 26,850 | 26,826 |
| Residential Customers | 5,642 | 5,707 | 5,774 | 5,842 | 5,912 | 5,983 | 6,056 | 6,131 | 6,207 | 6,284 |
| Commercial Customers | 1,510 | 1,530 | 1,551 | 1,572 | 1,594 | 1,616 | 1,639 | 1,662 | 1,686 | 1,711 |
| Industrial Customers | 53 | 54 | 54 | 55 | 56 | 56 | 57 | 58 | 58 | 58 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 7,207 | 7,292 | 7,379 | 7,470 | 7,562 | 7,656 | 7,753 | 7,852 | 7,952 | 8,054 |

| Zone 11 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.22% | 0.58% | 1.06% | 0.93% | 1.42% | 0.60% | 1.04% | 1.16% | 1.56% | 0.65% |
| Residential Therms | 14,613,704 | 14,672,864 | 14,796,075 | 14,923,871 | 15,121,276 | 15,189,630 | 15,329,957 | 15,476,568 | 15,693,282 | 15,776,133 |
| Commercial Therms | 20,037,853 | 20,169,453 | 20,388,406 | 20,610,528 | 20,926,160 | 21,080,195 | 21,340,007 | 21,599,801 | 21,960,726 | 22,150,720 |
| Industrial Therms | 3,980,450 | 4,016,249 | 4,087,181 | 4,105,971 | 4,159,908 | 4,180,739 | 4,205,237 | 4,276,544 | 4,348,804 | 4,348,811 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 38,841,473 | 39,068,033 | 39,481,129 | 39,849,836 | 40,416,811 | 40,660,031 | 41,084,668 | 41,562,380 | 42,212,279 | 42,485,130 |
| Daily Baseload Therms | 35,648 | 35,911 | 36,319 | 36,551 | 36,838 | 37,154 | 37,419 | 37,739 | 38,201 | 38,509 |
| Peak Day Therms | 387,009 | 391,111 | 395,623 | 400,051 | 404,864 | 409,298 | 414,119 | 418,905 | 423,962 | 428,734 |
| Therms Per Residential Customer | 655 | 653 | 653 | 653 | 656 | 654 | 654 | 654 | 657 | 655 |
| Therms Per Commercial Customer | 4,080 | 4,063 | 4,062 | 4,060 | 4,075 | 4,056 | 4,056 | 4,055 | 4,071 | 4,054 |
| Therms Per Industrial Customer | 38,489 | 38,372 | 38,528 | 38,614 | 38,757 | 38,681 | 38,788 | 38,966 | 39,032 | 39,032 |
| Residential Customers | 22,309 | 22,480 | 22,659 | 22,845 | 23,037 | 23,236 | 23,442 | 23,653 | 23,871 | 24,093 |
| Commercial Customers | 4,911 | 4,964 | 5,020 | 5,077 | 5,135 | 5,197 | 5,262 | 5,326 | 5,394 | 5,464 |
| Industrial Customers | 103 | 105 | 106 | 106 | 107 | 108 | 108 | 110 | 111 | 111 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 27,326 | 27,551 | 27,786 | 28,030 | 28,281 | 28,543 | 28,814 | 29,091 | 29,379 | 29,670 |

| Zone 20 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.51% | 1.60% | 2.06% | 1.96% | 2.46% | 1.50% | 2.03% | 1.90% | 2.28% | 1.51% |
| Residential Therms | 20,103,537 | 20,508,465 | 21,003,202 | 21,503,911 | 22,105,915 | 22,519,978 | 23,037,379 | 23,561,782 | 24,194,786 | 24,622,697 |
| Commercial Therms | 18,178,865 | 18,410,554 | 18,706,532 | 19,008,701 | 19,394,679 | 19,627,322 | 19,939,811 | 20,258,157 | 20,654,724 | 20,892,607 |
| Industrial Therms | 924,216 | 921,057 | 959,940 | 959,949 | 1,002,885 | 998,448 | 1,052,925 | 1,053,299 | 1,057,538 | 1,092,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 39,599,383 | 40,232,841 | 41,062,438 | 41,865,325 | 42,896,244 | 43,538,513 | 44,422,880 | 45,266,002 | 46,299,813 | 47,000,259 |
| Daily Baseload Therms | 36,191 | 36,861 | 37,627 | 38,315 | 39,093 | 39,799 | 40,626 | 41,339 | 42,062 | 42,872 |
| Peak Day Therms | 551,799 | 563,824 | 575,580 | 587,617 | 599,511 | 611,812 | 623,954 | 635,958 | 648,554 | 661,317 |
| Therms Per Residential Customer | 591 | 588 | 588 | 588 | 591 | 588 | 588 | 588 | 590 | 588 |
| Therms Per Commercial Customer | 4,205 | 4,190 | 4,190 | 4,191 | 4,208 | 4,191 | 4,192 | 4,193 | 4,209 | 4,193 |
| Therms Per Industrial Customer | 23,749 | 23,667 | 24,049 | 24,049 | 24,510 | 24,402 | 24,534 | 24,543 | 24,642 | 24,870 |
| Residential Customers | 34,039 | 34,873 | 35,718 | 36,572 | 37,436 | 38,310 | 39,194 | 40,087 | 40,988 | 41,900 |
| Commercial Customers | 4,323 | 4,394 | 4,464 | 4,536 | 4,609 | 4,683 | 4,756 | 4,831 | 4,907 | 4,982 |
| Industrial Customers | 39 | 39 | 40 | 40 | 41 | 41 | 43 | 43 | 43 | 44 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 38,403 | 39,308 | 40,224 | 41,150 | 42,088 | 43,036 | 43,996 | 44,963 | 45,940 | 46,928 |

| Zone 24 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 0.54% | 1.32% | 0.93% | 1.72% | 0.63% | 1.22% | 1.03% | 1.63% | 0.60% |
| Residential Therms | 3,818,101 | 3,807,897 | 3,815,884 | 3,824,343 | 3,851,980 | 3,843,544 | 3,854,280 | 3,866,164 | 3,896,540 | 3,890,587 |
| Commercial Therms | 3,677,780 | 3,664,886 | 3,669,498 | 3,673,501 | 3,694,323 | 3,683,161 | 3,689,392 | 3,696,396 | 3,720,574 | 3,711,495 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 10,314,237 | 10,369,742 | 10,506,473 | 10,604,517 | 10,786,631 | 10,855,022 | 10,987,748 | 11,101,321 | 11,282,431 | 11,350,604 |
| Daily Baseload Therms | 10,077 | 10,357 | 10,503 | 10,784 | 10,933 | 11,217 | 11,502 | 11,651 | 11,939 | 12,086 |
| Peak Day Therms | 124,707 | 125,903 | 127,779 | 128,950 | 130,850 | 132,701 | 133,910 | 135,796 | 136,985 | 138,871 |
| Therms Per Residential Customer | 572 | 570 | 570 | 570 | 573 | 570 | 571 | 571 | 574 | 571 |
| Therms Per Commercial Customer | 2,745 | 2,733 | 2,733 | 2,733 | 2,745 | 2,732 | 2,732 | 2,732 | 2,743 | 2,731 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 6,676 | 6,685 | 6,697 | 6,710 | 6,724 | 6,739 | 6,756 | 6,773 | 6,792 | 6,811 |
| Commercial Customers | 1,340 | 1,341 | 1,343 | 1,344 | 1,346 | 1,348 | 1,351 | 1,353 | 1,356 | 1,359 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,058 | 8,070 | 8,085 | 8,100 | 8,118 | 8,137 | 8,158 | 8,179 | 8,203 | 8,226 |

| Zone 26 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.31% | 0.75% | 1.09% | 1.84% | 2.12% | 0.74% | 1.18% | 1.24% | 1.63% | 2.34% |
| Residential Therms | 1,500,321 | 1,516,727 | 1,539,142 | 1,562,001 | 1,592,479 | 1,609,983 | 1,635,999 | 1,662,434 | 1,696,085 | 1,716,400 |
| Commercial Therms | 4,572,849 | 4,612,370 | 4,667,691 | 4,759,860 | 4,852,951 | 4,894,956 | 4,958,043 | 5,026,172 | 5,115,484 | 5,164,947 |
| Industrial Therms | 926,342 | 923,913 | 923,913 | 941,563 | 973,793 | 969,901 | 969,901 | 970,350 | 973,793 | 1,088,469 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 7,091,212 | 7,144,710 | 7,222,447 | 7,355,124 | 7,510,924 | 7,566,540 | 7,655,643 | 7,750,657 | 7,877,063 | 8,061,516 |
| Daily Baseload Therms | 8,496 | 8,570 | 8,653 | 8,749 | 8,899 | 8,989 | 9,176 | 9,263 | 9,356 | 9,804 |
| Peak Day Therms | 71,638 | 72,654 | 74,396 | 75,614 | 76,833 | 77,940 | 79,044 | 80,198 | 81,486 | 82,832 |
| Therms Per Residential Customer | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 |
| Therms Per Commercial Customer | 3,638 | 3,624 | 3,621 | 3,646 | 3,669 | 3,649 | 3,644 | 3,641 | 3,654 | 3,636 |
| Therms Per Industrial Customer | 27,245 | 27,174 | 27,174 | 26,902 | 27,050 | 26,942 | 26,942 | 26,954 | 27,050 | 28,644 |
| Residential Customers | 2,943 | 2,986 | 3,030 | 3,075 | 3,123 | 3,172 | 3,223 | 3,274 | 3,326 | 3,380 |
| Commercial Customers | 1,257 | 1,273 | 1,289 | 1,305 | 1,323 | 1,342 | 1,361 | 1,380 | 1,400 | 1,420 |
| Industrial Customers | 34 | 34 | 34 | 35 | 36 | 36 | 36 | 36 | 36 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,235 | 4,293 | 4,354 | 4,417 | 4,482 | 4,550 | 4,620 | 4,691 | 4,763 | 4,839 |

| Zone 30-S | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.45% | 0.71% | 1.40% | 1.18% | 1.58% | 0.80% | 1.22% | 1.25% | 1.67% | 0.88% |
| Residential Therms | 26,193,983 | 26,403,383 | 26,727,173 | 27,060,098 | 27,515,719 | 27,751,107 | 28,110,477 | 28,480,052 | 28,975,367 | 29,239,634 |
| Commercial Therms | 15,185,578 | 15,289,894 | 15,459,835 | 15,636,535 | 15,883,565 | 16,015,157 | 16,216,277 | 16,426,981 | 16,709,228 | 16,870,523 |
| Industrial Therms | 525,960 | 521,541 | 636,685 | 647,520 | 652,326 | 647,466 | 647,466 | 647,520 | 652,326 | 647,520 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 43,327,980 | 43,637,275 | 44,246,151 | 44,766,611 | 45,474,067 | 45,836,189 | 46,396,678 | 46,977,012 | 47,759,379 | 48,180,136 |
| Daily Baseload Therms | 41,204 | 41,623 | 42,346 | 42,795 | 43,256 | 43,731 | 44,231 | 44,735 | 45,260 | 45,803 |
| Peak Day Therms | 427,411 | 433,017 | 438,815 | 444,706 | 450,728 | 457,526 | 463,820 | 470,298 | 476,897 | 483,586 |
| Therms Per Residential Customer | 674 | 671 | 671 | 671 | 674 | 671 | 671 | 671 | 674 | 671 |
| Therms Per Commercial Customer | 3,864 | 3,847 | 3,845 | 3,843 | 3,856 | 3,839 | 3,837 | 3,836 | 3,849 | 3,832 |
| Therms Per Industrial Customer | 25,046 | 24,835 | 29,050 | 29,433 | 29,651 | 29,430 | 29,430 | 29,433 | 29,651 | 29,433 |
| Residential Customers | 38,867 | 39,339 | 39,824 | 40,323 | 40,835 | 41,361 | 41,899 | 42,450 | 43,013 | 43,588 |
| Commercial Customers | 3,930 | 3,974 | 4,020 | 4,068 | 4,119 | 4,171 | 4,226 | 4,283 | 4,341 | 4,402 |
| Industrial Customers | 21 | 21 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 42,821 | 43,336 | 43,868 | 44,415 | 44,978 | 45,556 | 46,149 | 46,757 | 47,378 | 48,014 |

| Zone 30-W | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.74% | 1.00% | 1.39% | 1.47% | 1.91% | 1.04% | 1.44% | 1.49% | 1.89% | 1.09% |
| Residential Therms | 64,559,615 | 65,163,619 | 66,033,816 | 66,937,183 | 68,129,090 | 68,786,683 | 69,738,944 | 70,728,303 | 72,026,571 | 72,776,197 |
| Commercial Therms | 33,505,098 | 33,824,514 | 34,287,822 | 34,762,262 | 35,402,176 | 35,770,770 | 36,295,879 | 36,841,484 | 37,554,241 | 37,975,620 |
| Industrial Therms | 4,217,351 | 4,314,895 | 4,418,764 | 4,586,640 | 4,782,270 | 4,883,849 | 4,985,715 | 5,101,862 | 5,223,794 | 5,302,765 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 102,384,084 | 103,405,048 | 104,842,422 | 106,388,105 | 108,415,557 | 109,543,321 | 111,122,559 | 112,773,669 | 114,906,626 | 116,156,601 |
| Daily Baseload Therms | 93,854 | 95,224 | 96,569 | 98,370 | 99,787 | 101,287 | 102,778 | 104,349 | 105,946 | 107,520 |
| Peak Day Therms | 1,036,897 | 1,052,754 | 1,068,762 | 1,085,229 | 1,101,743 | 1,118,930 | 1,136,253 | 1,153,789 | 1,171,776 | 1,189,876 |
| Therms Per Residential Customer | 703 | 701 | 701 | 701 | 703 | 701 | 701 | 701 | 704 | 701 |
| Therms Per Commercial Customer | 3,077 | 3,064 | 3,063 | 3,062 | 3,073 | 3,060 | 3,058 | 3,058 | 3,069 | 3,056 |
| Therms Per Industrial Customer | 17,051 | 16,943 | 16,903 | 17,030 | 17,296 | 17,141 | 17,084 | 17,035 | 17,053 | 16,933 |
| Residential Customers | 91,794 | 93,011 | 94,259 | 95,539 | 96,847 | 98,185 | 99,551 | 100,947 | 102,371 | 103,845 |
| Commercial Customers | 10,888 | 11,038 | 11,193 | 11,353 | 11,520 | 11,691 | 11,868 | 12,049 | 12,237 | 12,428 |
| Industrial Customers | 247 | 255 | 261 | 269 | 277 | 285 | 292 | 300 | 306 | 313 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 102,930 | 104,304 | 105,715 | 107,162 | 108,644 | 110,162 | 111,712 | 113,296 | 114,915 | 116,587 |

| Zone GTN | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.37% | 1.50% | 1.90% | 1.89% | 2.31% | 1.38% | 1.80% | 1.89% | 2.20% | 1.32% |
| Residential Therms | 39,482,385 | 40,253,864 | 41,210,245 | 42,175,306 | 43,341,044 | 44,129,624 | 45,122,605 | 46,128,425 | 47,349,338 | 48,161,938 |
| Commercial Therms | 21,556,294 | 21,720,454 | 21,971,432 | 22,208,121 | 22,544,030 | 22,674,793 | 22,901,127 | 23,122,184 | 23,436,695 | 23,564,672 |
| Industrial Therms | 2,535,687 | 2,551,618 | 2,572,646 | 2,615,058 | 2,658,260 | 2,686,379 | 2,719,085 | 2,830,531 | 2,883,924 | 2,914,769 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 63,595,303 | 64,546,873 | 65,775,260 | 67,019,421 | 68,564,271 | 69,511,732 | 70,763,754 | 72,102,077 | 73,690,894 | 74,662,316 |
| Daily Baseload Therms | 53,996 | 54,989 | 55,972 | 57,052 | 58,036 | 59,074 | 60,061 | 61,196 | 62,184 | 63,281 |
| Peak Day Therms | 737,178 | 752,035 | 766,696 | 781,491 | 795,796 | 810,592 | 825,074 | 839,848 | 854,777 | 869,340 |
| Therms Per Residential Customer | 741 | 738 | 738 | 738 | 741 | 738 | 738 | 738 | 741 | 738 |
| Therms Per Commercial Customer | 2,915 | 2,903 | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,897 | 28,643 | 28,665 | 28,580 | 28,583 | 28,352 | 28,226 | 28,448 | 28,460 | 28,230 |
| Residential Customers | 53,276 | 54,547 | 55,840 | 57,147 | 58,467 | 59,800 | 61,147 | 62,507 | 63,882 | 65,270 |
| Commercial Customers | 7,396 | 7,482 | 7,568 | 7,650 | 7,732 | 7,811 | 7,889 | 7,965 | 8,039 | 8,113 |
| Industrial Customers | 88 | 89 | 90 | 92 | 93 | 95 | 96 | 100 | 101 | 103 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 60,760 | 62,119 | 63,499 | 64,889 | 66,292 | 67,707 | 69,134 | 70,573 | 72,023 | 73,487 |

| Zone ME-OR | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.88% | 0.68% | 1.97% | 1.59% | 1.51% | 1.24% | 1.16% | 1.71% | 2.15% | 0.90% |
| Residential Therms | 6,476,440 | 6,563,496 | 6,684,622 | 6,812,120 | 6,976,806 | 7,084,481 | 7,229,594 | 7,380,898 | 7,570,581 | 7,698,392 |
| Commercial Therms | 6,713,504 | 6,728,365 | 6,773,361 | 6,817,418 | 6,892,225 | 6,915,094 | 6,966,598 | 7,019,279 | 7,106,750 | 7,134,799 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 15,822,740 | 15,930,490 | 16,244,804 | 16,503,555 | 16,752,225 | 16,960,496 | 17,157,094 | 17,451,098 | 17,825,477 | 17,985,321 |
| Daily Baseload Therms | 16,367 | 16,534 | 17,034 | 17,357 | 17,500 | 17,820 | 17,986 | 18,327 | 18,672 | 18,255 |
| Peak Day Therms | 198,171 | 200,978 | 205,629 | 209,085 | 212,031 | 215,533 | 218,666 | 222,431 | 226,327 | 229,537 |
| Therms Per Residential Customer | 566 | 564 | 564 | 564 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,647 | 3,633 | 3,633 | 3,633 | 3,647 | 3,633 | 3,632 | 3,632 | 3,647 | 3,632 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 11,443 | 11,646 | 11,862 | 12,089 | 12,327 | 12,574 | 12,832 | 13,100 | 13,378 | 13,664 |
| Commercial Customers | 1,841 | 1,852 | 1,865 | 1,877 | 1,890 | 1,904 | 1,918 | 1,933 | 1,949 | 1,965 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 13,323 | 13,539 | 13,768 | 14,008 | 14,259 | 14,522 | 14,794 | 15,078 | 15,372 | 15,676 |

| Zone ME-WA | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.24% | 0.47% | 0.90% | 0.91% | 1.35% | 0.53% | 0.96% | 0.99% | 1.40% | 0.59% |
| Residential Therms | 6,769,936 | 6,810,940 | 6,881,827 | 6,954,460 | 7,058,537 | 7,104,801 | 7,182,787 | 7,262,579 | 7,374,400 | 7,425,734 |
| Commercial Therms | 4,359,462 | 4,384,923 | 4,430,023 | 4,476,112 | 4,543,878 | 4,574,295 | 4,625,509 | 4,679,553 | 4,753,593 | 4,789,035 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,885,747 | 12,946,748 | 13,062,735 | 13,181,457 | 13,358,762 | 13,429,980 | 13,559,181 | 13,693,018 | 13,884,341 | 13,965,654 |
| Daily Baseload Therms | 10,718 | 10,806 | 10,895 | 10,985 | 11,080 | 11,179 | 11,278 | 11,379 | 11,484 | 11,589 |
| Peak Day Therms | 180,019 | 182,052 | 184,093 | 186,191 | 188,304 | 190,473 | 192,618 | 194,852 | 197,053 | 199,310 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 |
| Therms Per Commercial Customer | 3,259 | 3,245 | 3,246 | 3,246 | 3,259 | 3,245 | 3,245 | 3,245 | 3,258 | 3,245 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 11,676 | 11,795 | 11,918 | 12,045 | 12,174 | 12,307 | 12,443 | 12,581 | 12,721 | 12,864 |
| Commercial Customers | 1,338 | 1,351 | 1,365 | 1,379 | 1,394 | 1,410 | 1,426 | 1,442 | 1,459 | 1,476 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 13,031 | 13,164 | 13,301 | 13,442 | 13,586 | 13,735 | 13,886 | 14,041 | 14,198 | 14,358 |

| Bellingham Disctrict | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.96% | 1.22% | 1.62% | 1.66% | 2.07% | 1.29% | 1.69% | 1.73% | 2.15% | 1.31% |
| Residential Therms | 35,517,840 | 35,869,761 | 36,364,492 | 36,883,620 | 37,555,537 | 37,943,704 | 38,487,320 | 39,056,872 | 39,796,066 | 40,216,992 |
| Commercial Therms | 18,139,218 | 18,425,664 | 18,795,044 | 19,175,929 | 19,653,947 | 19,989,115 | 20,413,017 | 20,853,371 | 21,394,397 | 21,775,406 |
| Industrial Therms | 1,503,804 | 1,538,620 | 1,578,158 | 1,617,691 | 1,662,443 | 1,696,998 | 1,736,907 | 1,776,445 | 1,821,834 | 1,848,250 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 55,160,862 | 55,834,045 | 56,737,694 | 57,677,240 | 58,871,927 | 59,629,817 | 60,637,244 | 61,686,688 | 63,012,297 | 63,840,647 |
| Daily Baseload Therms | 50,513 | 51,369 | 52,216 | 53,119 | 54,022 | 54,990 | 55,948 | 56,957 | 58,006 | 59,040 |
| Peak Day Therms | 566,510 | 576,098 | 585,921 | 595,993 | 606,169 | 616,807 | 627,587 | 638,490 | 649,824 | 661,252 |
| Therms Per Residential Customer | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 |
| Therms Per Commercial Customer | 3,055 | 3,043 | 3,043 | 3,043 | 3,055 | 3,043 | 3,042 | 3,043 | 3,054 | 3,042 |
| Therms Per Industrial Customer | 19,530 | 19,476 | 19,483 | 19,490 | 19,558 | 19,357 | 19,317 | 19,327 | 19,398 | 19,269 |
| Residential Customers | 49,280 | 49,958 | 50,655 | 51,372 | 52,104 | 52,854 | 53,621 | 54,406 | 55,207 | 56,024 |
| Commercial Customers | 5,938 | 6,055 | 6,176 | 6,302 | 6,434 | 6,570 | 6,710 | 6,854 | 7,005 | 7,158 |
| Industrial Customers | 77 | 79 | 81 | 83 | 85 | 88 | 90 | 92 | 94 | 96 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 55,295 | 56,092 | 56,913 | 57,757 | 58,623 | 59,512 | 60,421 | 61,352 | 62,306 | 63,278 |

| Mount Vernon District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.48% | 0.74% | 1.12% | 1.26% | 1.71% | 0.75% | 1.15% | 1.19% | 1.58% | 0.81% |
| Residential Therms | 29,041,775 | 29,293,857 | 29,669,324 | 30,053,563 | 30,573,554 | 30,842,979 | 31,251,624 | 31,671,431 | 32,230,505 | 32,559,205 |
| Commercial Therms | 15,365,879 | 15,398,851 | 15,492,778 | 15,586,333 | 15,748,228 | 15,781,655 | 15,882,863 | 15,988,113 | 16,159,844 | 16,200,214 |
| Industrial Therms | 2,713,547 | 2,776,275 | 2,840,606 | 2,968,950 | 3,119,827 | 3,186,851 | 3,248,808 | 3,325,416 | 3,401,960 | 3,454,515 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 47,223,222 | 47,571,004 | 48,104,728 | 48,710,865 | 49,543,630 | 49,913,505 | 50,485,315 | 51,086,981 | 51,894,329 | 52,315,954 |
| Daily Baseload Therms | 43,341 | 43,855 | 44,353 | 45,251 | 45,765 | 46,297 | 46,830 | 47,392 | 47,940 | 48,480 |
| Peak Day Therms | 470,387 | 476,655 | 482,842 | 489,236 | 495,574 | 502,123 | 508,666 | 515,299 | 521,952 | 528,624 |
| Therms Per Residential Customer | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 681 | 683 | 681 |
| Therms Per Commercial Customer | 3,104 | 3,090 | 3,088 | 3,086 | 3,096 | 3,081 | 3,079 | 3,078 | 3,088 | 3,074 |
| Therms Per Industrial Customer | 15,931 | 15,804 | 15,745 | 15,934 | 16,292 | 16,156 | 16,090 | 16,020 | 16,016 | 15,901 |
| Residential Customers | 42,515 | 43,053 | 43,604 | 44,167 | 44,743 | 45,331 | 45,930 | 46,541 | 47,164 | 47,821 |
| Commercial Customers | 4,950 | 4,983 | 5,017 | 5,051 | 5,086 | 5,122 | 5,158 | 5,195 | 5,232 | 5,270 |
| Industrial Customers | 170 | 176 | 180 | 186 | 192 | 197 | 202 | 208 | 212 | 217 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 47,636 | 48,212 | 48,802 | 49,406 | 50,022 | 50,651 | 51,291 | 51,944 | 52,610 | 53,309 |

| Bremerton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 0.90% | 1.62% | 1.36% | 1.76% | 0.97% | 1.40% | 1.42% | 1.83% | 1.04% |
| Residential Therms | 23,872,778 | 24,088,324 | 24,408,992 | 24,738,058 | 25,179,029 | 25,419,450 | 25,772,711 | 26,134,811 | 26,612,889 | 26,879,180 |
| Commercial Therms | 12,281,515 | 12,409,377 | 12,593,235 | 12,783,251 | 13,032,494 | 13,186,519 | 13,398,979 | 13,619,725 | 13,901,199 | 14,082,185 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 37,921,892 | 38,261,420 | 38,881,089 | 39,411,007 | 40,105,378 | 40,495,668 | 41,061,389 | 41,644,235 | 42,407,944 | 42,851,064 |
| Daily Baseload Therms | 35,481 | 35,916 | 36,655 | 37,119 | 37,594 | 38,083 | 38,590 | 39,108 | 39,639 | 40,189 |
| Peak Day Therms | 371,937 | 377,471 | 383,184 | 388,988 | 394,925 | 401,584 | 407,778 | 414,117 | 420,609 | 427,145 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,745 | 3,731 | 3,731 | 3,731 | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 35,577 | 36,045 | 36,526 | 37,019 | 37,525 | 38,043 | 38,572 | 39,113 | 39,666 | 40,229 |
| Commercial Customers | 3,279 | 3,326 | 3,376 | 3,427 | 3,480 | 3,535 | 3,592 | 3,651 | 3,712 | 3,775 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 38,873 | 39,387 | 39,918 | 40,463 | 41,022 | 41,595 | 42,181 | 42,782 | 43,395 | 44,022 |

| Longview District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.35% | 0.78% | 1.13% | 1.39% | 2.01% | 0.78% | 1.22% | 1.29% | 1.68% | 2.44% |
| Residential Therms | 1,500,321 | 1,516,727 | 1,539,142 | 1,562,001 | 1,592,479 | 1,609,983 | 1,635,999 | 1,662,434 | 1,696,085 | 1,716,400 |
| Commercial Therms | 4,328,641 | 4,368,401 | 4,423,722 | 4,480,087 | 4,559,412 | 4,602,438 | 4,665,525 | 4,733,409 | 4,821,946 | 4,872,184 |
| Industrial Therms | 926,342 | 923,913 | 923,913 | 941,563 | 973,793 | 969,901 | 969,901 | 970,350 | 973,793 | 1,088,469 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,847,004 | 6,900,741 | 6,978,478 | 7,075,351 | 7,217,385 | 7,274,022 | 7,363,125 | 7,457,894 | 7,583,524 | 7,768,753 |
| Daily Baseload Therms | 8,020 | 8,094 | 8,177 | 8,273 | 8,423 | 8,513 | 8,604 | 8,692 | 8,784 | 9,233 |
| Peak Day Therms | 70,546 | 71,562 | 73,304 | 74,522 | 75,523 | 76,630 | 77,734 | 78,888 | 80,176 | 81,522 |
| Therms Per Residential Customer | 510 | 508 | 508 | 508 | 510 | 508 | 508 | 508 | 510 | 508 |
| Therms Per Commercial Customer | 3,458 | 3,446 | 3,445 | 3,445 | 3,460 | 3,444 | 3,443 | 3,444 | 3,459 | 3,445 |
| Therms Per Industrial Customer | 27,245 | 27,174 | 27,174 | 26,902 | 27,050 | 26,942 | 26,942 | 26,954 | 27,050 | 28,644 |
| Residential Customers | 2,943 | 2,986 | 3,030 | 3,075 | 3,123 | 3,172 | 3,223 | 3,274 | 3,326 | 3,380 |
| Commercial Customers | 1,252 | 1,268 | 1,284 | 1,300 | 1,318 | 1,337 | 1,355 | 1,374 | 1,394 | 1,414 |
| Industrial Customers | 34 | 34 | 34 | 35 | 36 | 36 | 36 | 36 | 36 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,230 | 4,288 | 4,349 | 4,412 | 4,477 | 4,545 | 4,614 | 4,685 | 4,757 | 4,833 |

| Aberdeen District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.06% | -0.56% | -0.20% | -0.18% | 0.24% | -0.52% | -0.10% | -0.05% | 0.35% | -0.42% |
| Residential Therms | 2,321,205 | 2,315,058 | 2,318,182 | 2,322,040 | 2,336,690 | 2,331,658 | 2,337,766 | 2,345,241 | 2,362,478 | 2,360,454 |
| Commercial Therms | 2,904,063 | 2,880,517 | 2,866,600 | 2,853,284 | 2,851,071 | 2,828,638 | 2,817,298 | 2,807,256 | 2,808,029 | 2,788,338 |
| Industrial Therms | 180,820 | 180,280 | 180,280 | 180,280 | 180,928 | 180,225 | 180,225 | 180,280 | 180,928 | 180,280 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,406,088 | 5,375,855 | 5,365,062 | 5,355,604 | 5,368,689 | 5,340,521 | 5,335,290 | 5,332,777 | 5,351,435 | 5,329,072 |
| Daily Baseload Therms | 5,723 | 5,707 | 5,691 | 5,676 | 5,662 | 5,648 | 5,641 | 5,628 | 5,621 | 5,614 |
| Peak Day Therms | 55,474 | 55,546 | 55,632 | 55,717 | 55,803 | 55,942 | 56,042 | 56,181 | 56,288 | 56,441 |
| Therms Per Residential Customer | 705 | 703 | 703 | 703 | 706 | 703 | 703 | 703 | 706 | 703 |
| Therms Per Commercial Customer | 4,461 | 4,447 | 4,447 | 4,447 | 4,464 | 4,446 | 4,445 | 4,447 | 4,464 | 4,447 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,290 | 3,294 | 3,298 | 3,304 | 3,311 | 3,318 | 3,327 | 3,337 | 3,347 | 3,359 |
| Commercial Customers | 651 | 648 | 645 | 642 | 639 | 636 | 634 | 631 | 629 | 627 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,948 | 3,948 | 3,950 | 3,952 | 3,956 | 3,962 | 3,968 | 3,975 | 3,984 | 3,993 |

| Kennewick District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.54% | 1.72% | 2.09% | 2.17% | 2.52% | 1.60% | 2.04% | 2.00% | 2.39% | 1.53% |
| Residential Therms | 19,517,787 | 19,928,402 | 20,426,605 | 20,930,545 | 21,533,430 | 21,953,232 | 22,473,646 | 23,000,973 | 23,634,630 | 24,067,919 |
| Commercial Therms | 17,375,252 | 17,611,092 | 17,907,387 | 18,246,122 | 18,642,470 | 18,875,798 | 19,184,233 | 19,501,009 | 19,894,933 | 20,135,056 |
| Industrial Therms | 290,653 | 289,517 | 289,517 | 289,517 | 290,764 | 289,461 | 305,078 | 305,138 | 306,408 | 305,138 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 37,418,653 | 38,063,973 | 38,858,471 | 39,701,146 | 40,701,626 | 41,353,453 | 42,197,919 | 43,042,083 | 44,070,934 | 44,743,076 |
| Daily Baseload Therms | 33,521 | 34,193 | 34,881 | 35,571 | 36,270 | 36,979 | 37,814 | 38,530 | 39,254 | 39,986 |
| Peak Day Therms | 499,964 | 511,238 | 522,480 | 533,742 | 545,310 | 556,770 | 568,344 | 579,776 | 591,434 | 603,564 |
| Therms Per Residential Customer | 590 | 588 | 588 | 588 | 590 | 587 | 587 | 587 | 590 | 587 |
| Therms Per Commercial Customer | 4,285 | 4,269 | 4,268 | 4,276 | 4,294 | 4,276 | 4,274 | 4,274 | 4,289 | 4,271 |
| Therms Per Industrial Customer | 18,166 | 18,095 | 18,095 | 18,095 | 18,173 | 18,091 | 17,946 | 17,949 | 18,024 | 17,949 |
| Residential Customers | 33,076 | 33,916 | 34,766 | 35,626 | 36,496 | 37,375 | 38,264 | 39,162 | 40,069 | 40,985 |
| Commercial Customers | 4,055 | 4,125 | 4,196 | 4,268 | 4,341 | 4,414 | 4,488 | 4,563 | 4,639 | 4,714 |
| Industrial Customers | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 37,148 | 38,059 | 38,979 | 39,911 | 40,854 | 41,807 | 42,770 | 43,743 | 44,725 | 45,717 |

| Walla Walla District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.24% | 0.47% | 0.90% | 0.91% | 1.35% | 0.53% | 0.96% | 0.99% | 1.40% | 0.59% |
| Residential Therms | 6,769,936 | 6,810,940 | 6,881,827 | 6,954,460 | 7,058,537 | 7,104,801 | 7,182,787 | 7,262,579 | 7,374,400 | 7,425,734 |
| Commercial Therms | 4,359,462 | 4,384,923 | 4,430,023 | 4,476,112 | 4,543,878 | 4,574,295 | 4,625,509 | 4,679,553 | 4,753,593 | 4,789,035 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,885,747 | 12,946,748 | 13,062,735 | 13,181,457 | 13,358,762 | 13,429,980 | 13,559,181 | 13,693,018 | 13,884,341 | 13,965,654 |
| Daily Baseload Therms | 10,718 | 10,806 | 10,895 | 10,985 | 11,080 | 11,179 | 11,278 | 11,379 | 11,484 | 11,589 |
| Peak Day Therms | 180,019 | 182,052 | 184,093 | 186,191 | 188,304 | 190,473 | 192,618 | 194,852 | 197,053 | 199,310 |
| Therms Per Residential Customer | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 |
| Therms Per Commercial Customer | 3,259 | 3,245 | 3,246 | 3,246 | 3,259 | 3,245 | 3,245 | 3,245 | 3,258 | 3,245 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 11,676 | 11,795 | 11,918 | 12,045 | 12,174 | 12,307 | 12,443 | 12,581 | 12,721 | 12,864 |
| Commercial Customers | 1,338 | 1,351 | 1,365 | 1,379 | 1,394 | 1,410 | 1,426 | 1,442 | 1,459 | 1,476 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 13,031 | 13,164 | 13,301 | 13,442 | 13,586 | 13,735 | 13,886 | 14,041 | 14,198 | 14,358 |

| Wenatchee District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.21% | -0.55% | 0.23% | -0.47% | 0.63% | -0.69% | 0.27% | -0.13% | 0.17% | -0.23% |
| Residential Therms | 1,023,213 | 1,003,685 | 987,995 | 972,663 | 960,879 | 941,997 | 927,206 | 912,705 | 901,841 | 883,708 |
| Commercial Therms | 4,868,095 | 4,851,551 | 4,854,514 | 4,852,299 | 4,865,589 | 4,850,318 | 4,860,831 | 4,865,596 | 4,884,393 | 4,877,070 |
| Industrial Therms | 980,009 | 977,254 | 1,006,086 | 990,546 | 1,033,235 | 1,018,891 | 1,042,208 | 1,042,675 | 1,046,581 | 1,055,967 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 7,029,119 | 6,990,292 | 7,006,398 | 6,973,310 | 7,017,506 | 6,969,008 | 6,988,046 | 6,978,778 | 6,990,617 | 6,974,548 |
| Daily Baseload Therms | 12,386 | 12,354 | 12,414 | 12,331 | 12,380 | 12,364 | 12,380 | 12,350 | 12,334 | 12,357 |
| Peak Day Therms | 93,478 | 93,994 | 94,273 | 94,764 | 95,160 | 95,765 | 96,049 | 96,387 | 97,137 | 97,531 |
| Therms Per Residential Customer | 533 | 532 | 533 | 534 | 537 | 536 | 537 | 539 | 542 | 541 |
| Therms Per Commercial Customer | 4,935 | 4,925 | 4,928 | 4,932 | 4,951 | 4,938 | 4,943 | 4,950 | 4,971 | 4,959 |
| Therms Per Industrial Customer | 28,895 | 28,813 | 29,092 | 29,205 | 29,591 | 29,462 | 29,848 | 29,862 | 29,974 | 30,242 |
| Residential Customers | 1,920 | 1,886 | 1,853 | 1,821 | 1,788 | 1,757 | 1,725 | 1,694 | 1,664 | 1,633 |
| Commercial Customers | 987 | 985 | 985 | 984 | 983 | 982 | 983 | 983 | 983 | 983 |
| Industrial Customers | 34 | 34 | 35 | 34 | 35 | 35 | 35 | 35 | 35 | 35 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,941 | 2,906 | 2,874 | 2,840 | 2,807 | 2,774 | 2,745 | 2,713 | 2,682 | 2,652 |

| Yakima District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.52% | 0.78% | 1.21% | 1.18% | 1.64% | 0.77% | 1.27% | 1.35% | 1.70% | 0.84% |
| Residential Therms | 17,495,102 | 17,592,092 | 17,766,034 | 17,945,449 | 18,209,338 | 18,316,167 | 18,510,746 | 18,712,735 | 18,999,771 | 19,123,661 |
| Commercial Therms | 21,648,655 | 21,842,931 | 22,131,238 | 22,429,926 | 22,837,007 | 23,059,442 | 23,394,144 | 23,735,161 | 24,191,612 | 24,448,706 |
| Industrial Therms | 5,056,514 | 5,113,630 | 5,195,886 | 5,251,466 | 5,334,616 | 5,365,089 | 5,433,361 | 5,534,766 | 5,610,639 | 5,640,290 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 44,476,869 | 44,825,251 | 45,369,756 | 45,903,439 | 46,657,559 | 47,017,296 | 47,614,849 | 48,259,259 | 49,078,619 | 49,489,254 |
| Daily Baseload Therms | 37,035 | 37,478 | 38,004 | 38,496 | 38,977 | 39,414 | 39,914 | 40,436 | 41,022 | 41,505 |
| Peak Day Therms | 456,720 | 462,657 | 468,964 | 475,079 | 482,330 | 488,450 | 495,228 | 502,042 | 509,021 | 515,639 |
| Therms Per Residential Customer | 648 | 645 | 645 | 645 | 648 | 645 | 645 | 645 | 648 | 645 |
| Therms Per Commercial Customer | 3,792 | 3,778 | 3,778 | 3,778 | 3,794 | 3,778 | 3,779 | 3,780 | 3,797 | 3,781 |
| Therms Per Industrial Customer | 34,753 | 34,630 | 34,755 | 34,644 | 34,791 | 34,725 | 34,718 | 34,865 | 34,975 | 34,906 |
| Residential Customers | 26,995 | 27,258 | 27,531 | 27,812 | 28,101 | 28,398 | 28,702 | 29,015 | 29,334 | 29,659 |
| Commercial Customers | 5,709 | 5,782 | 5,859 | 5,938 | 6,019 | 6,104 | 6,191 | 6,280 | 6,372 | 6,465 |
| Industrial Customers | 146 | 148 | 150 | 152 | 153 | 155 | 157 | 159 | 160 | 162 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 32,852 | 33,191 | 33,542 | 33,904 | 34,276 | 34,659 | 35,053 | 35,456 | 35,869 | 36,289 |

| Central Oregon (Bend) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.37% | 1.50% | 1.90% | 1.89% | 2.31% | 1.38% | 1.80% | 1.89% | 2.20% | 1.32% |
| Residential Therms | 39,482,385 | 40,253,864 | 41,210,245 | 42,175,306 | 43,341,044 | 44,129,624 | 45,122,605 | 46,128,425 | 47,349,338 | 48,161,938 |
| Commercial Therms | 21,556,294 | 21,720,454 | 21,971,432 | 22,208,121 | 22,544,030 | 22,674,793 | 22,901,127 | 23,122,184 | 23,436,695 | 23,564,672 |
| Industrial Therms | 2,535,687 | 2,551,618 | 2,572,646 | 2,615,058 | 2,658,260 | 2,686,379 | 2,719,085 | 2,830,531 | 2,883,924 | 2,914,769 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 63,595,303 | 64,546,873 | 65,775,260 | 67,019,421 | 68,564,271 | 69,511,732 | 70,763,754 | 72,102,077 | 73,690,894 | 74,662,316 |
| Daily Baseload Therms | 53,996 | 54,989 | 55,972 | 57,052 | 58,036 | 59,074 | 60,061 | 61,196 | 62,184 | 63,281 |
| Peak Day Therms | 737,178 | 752,035 | 766,696 | 781,491 | 795,796 | 810,592 | 825,074 | 839,848 | 854,777 | 869,340 |
| Therms Per Residential Customer | 741 | 738 | 738 | 738 | 741 | 738 | 738 | 738 | 741 | 738 |
| Therms Per Commercial Customer | 2,915 | 2,903 | 2,903 | 2,903 | 2,916 | 2,903 | 2,903 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,897 | 28,643 | 28,665 | 28,580 | 28,583 | 28,352 | 28,226 | 28,448 | 28,460 | 28,230 |
| Residential Customers | 53,276 | 54,547 | 55,840 | 57,147 | 58,467 | 59,800 | 61,147 | 62,507 | 63,882 | 65,270 |
| Commercial Customers | 7,396 | 7,482 | 7,568 | 7,650 | 7,732 | 7,811 | 7,889 | 7,965 | 8,039 | 8,113 |
| Industrial Customers | 88 | 89 | 90 | 92 | 93 | 95 | 96 | 100 | 101 | 103 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 60,760 | 62,119 | 63,499 | 64,889 | 66,292 | 67,707 | 69,134 | 70,573 | 72,023 | 73,487 |

| Pendleton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.88% | 0.68% | 1.97% | 1.59% | 1.51% | 1.24% | 1.16% | 1.71% | 2.15% | 0.90% |
| Residential Therms | 6,476,440 | 6,563,496 | 6,684,622 | 6,812,120 | 6,976,806 | 7,084,481 | 7,229,594 | 7,380,898 | 7,570,581 | 7,698,392 |
| Commercial Therms | 6,713,504 | 6,728,365 | 6,773,361 | 6,817,418 | 6,892,225 | 6,915,094 | 6,966,598 | 7,019,279 | 7,106,750 | 7,134,799 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 15,822,740 | 15,930,490 | 16,244,804 | 16,503,555 | 16,752,225 | 16,960,496 | 17,157,094 | 17,451,098 | 17,825,477 | 17,985,321 |
| Daily Baseload Therms | 16,367 | 16,534 | 17,034 | 17,357 | 17,500 | 17,820 | 17,986 | 18,327 | 18,672 | 18,255 |
| Peak Day Therms | 198,171 | 200,978 | 205,629 | 209,085 | 212,031 | 215,533 | 218,666 | 222,431 | 226,327 | 229,537 |
| Therms Per Residential Customer | 566 | 564 | 564 | 564 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,647 | 3,633 | 3,633 | 3,633 | 3,647 | 3,633 | 3,632 | 3,632 | 3,647 | 3,632 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 11,443 | 11,646 | 11,862 | 12,089 | 12,327 | 12,574 | 12,832 | 13,100 | 13,378 | 13,664 |
| Commercial Customers | 1,841 | 1,852 | 1,865 | 1,877 | 1,890 | 1,904 | 1,918 | 1,933 | 1,949 | 1,965 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 13,323 | 13,539 | 13,768 | 14,008 | 14,259 | 14,522 | 14,794 | 15,078 | 15,372 | 15,676 |

| Eastern Oregon (Ontario) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 0.54% | 1.32% | 0.93% | 1.72% | 0.63% | 1.22% | 1.03% | 1.63% | 0.60% |
| Residential Therms | 3,818,101 | 3,807,897 | 3,815,884 | 3,824,343 | 3,851,980 | 3,843,544 | 3,854,280 | 3,866,164 | 3,896,540 | 3,890,587 |
| Commercial Therms | 3,677,780 | 3,664,886 | 3,669,498 | 3,673,501 | 3,694,323 | 3,683,161 | 3,689,392 | 3,696,396 | 3,720,574 | 3,711,495 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 10,314,237 | 10,369,742 | 10,506,473 | 10,604,517 | 10,786,631 | 10,855,022 | 10,987,748 | 11,101,321 | 11,282,431 | 11,350,604 |
| Daily Baseload Therms | 10,077 | 10,357 | 10,503 | 10,784 | 10,933 | 11,217 | 11,502 | 11,651 | 11,939 | 12,086 |
| Peak Day Therms | 124,707 | 125,903 | 127,779 | 128,950 | 130,850 | 132,701 | 133,910 | 135,796 | 136,985 | 138,871 |
| Therms Per Residential Customer | 572 | 570 | 570 | 570 | 573 | 570 | 571 | 571 | 574 | 571 |
| Therms Per Commercial Customer | 2,745 | 2,733 | 2,733 | 2,733 | 2,745 | 2,732 | 2,732 | 2,732 | 2,743 | 2,731 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 6,676 | 6,685 | 6,697 | 6,710 | 6,724 | 6,739 | 6,756 | 6,773 | 6,792 | 6,811 |
| Commercial Customers | 1,340 | 1,341 | 1,343 | 1,344 | 1,346 | 1,348 | 1,351 | 1,353 | 1,356 | 1,359 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,058 | 8,070 | 8,085 | 8,100 | 8,118 | 8,137 | 8,158 | 8,179 | 8,203 | 8,226 |

| Oregon | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.20% | 1.24% | 1.85% | 1.73% | 2.10% | 1.27% | 1.62% | 1.77% | 2.13% | 1.17% |
| Residential Therms | 49,776,927 | 50,625,257 | 51,710,751 | 52,811,769 | 54,169,830 | 55,057,649 | 56,206,478 | 57,375,487 | 58,816,460 | 59,750,917 |
| Commercial Therms | 31,947,577 | 32,113,705 | 32,414,291 | 32,699,040 | 33,130,578 | 33,273,048 | 33,557,117 | 33,837,859 | 34,264,019 | 34,410,966 |
| Industrial Therms | 5,589,309 | 5,689,675 | 5,983,026 | 6,198,217 | 6,384,251 | 6,578,086 | 6,726,532 | 7,022,683 | 7,299,856 | 7,417,891 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 89,732,280 | 90,847,104 | 92,526,536 | 94,127,493 | 96,103,127 | 97,327,251 | 98,908,596 | 100,654,496 | 102,798,803 | 103,998,241 |
| Daily Baseload Therms | 80,117 | 81,553 | 83,178 | 84,855 | 86,127 | 87,762 | 89,194 | 90,813 | 92,427 | 93,848 |
| Peak Day Therms | 1,060,056 | 1,078,916 | 1,100,104 | 1,119,526 | 1,138,676 | 1,158,827 | 1,177,650 | 1,198,074 | 1,218,089 | 1,237,748 |
| Therms Per Residential Customer | 11,755 | 11,704 | 11,705 | 11,702 | 11,756 | 11,702 | 11,700 | 11,701 | 11,752 | 11,700 |
| Therms Per Commercial Customer | 66,421 | 66,182 | 66,159 | 66,170 | 66,469 | 66,185 | 66,163 | 66,184 | 66,464 | 66,202 |
| Therms Per Industrial Customer | 342,619 | 341,701 | 350,577 | 353,165 | 355,883 | 356,399 | 357,213 | 359,446 | 363,159 | 361,986 |
| Residential Customers | 71,394 | 72,878 | 74,399 | 75,945 | 77,517 | 79,114 | 80,735 | 82,381 | 84,051 | 85,745 |
| Commercial Customers | 10,577 | 10,675 | 10,775 | 10,871 | 10,968 | 11,063 | 11,158 | 11,251 | 11,345 | 11,437 |
| Industrial Customers | 167 | 170 | 174 | 178 | 181 | 185 | 188 | 194 | 199 | 203 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 82,142 | 83,727 | 85,352 | 86,998 | 88,670 | 90,366 | 92,086 | 93,830 | 95,599 | 97,389 |

| Washington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.69% | 0.94% | 1.40% | 1.39% | 1.84% | 0.96% | 1.41% | 1.43% | 1.82% | 1.06% |
| Residential Therms | 137,059,957 | 138,418,846 | 140,362,593 | 142,362,399 | 144,999,472 | 146,463,969 | 148,579,805 | 150,759,782 | 153,608,665 | 155,233,253 |
| Commercial Therms | 101,270,781 | 102,173,306 | 103,494,542 | 104,883,343 | 106,734,097 | 107,748,218 | 109,242,398 | 110,783,194 | 112,809,946 | 113,968,195 |
| Industrial Therms | 12,205,409 | 12,343,867 | 12,673,969 | 12,910,370 | 13,275,586 | 13,377,774 | 13,586,846 | 13,805,429 | 14,022,121 | 14,243,266 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 254,369,455 | 256,769,327 | 260,364,411 | 263,989,420 | 268,842,463 | 271,423,269 | 275,242,358 | 279,181,713 | 284,274,040 | 287,278,022 |
| Daily Baseload Therms | 236,739 | 239,773 | 243,285 | 246,822 | 250,173 | 253,466 | 256,999 | 260,470 | 264,085 | 267,993 |
| Peak Day Therms | 2,765,034 | 2,807,273 | 2,850,691 | 2,894,231 | 2,939,098 | 2,984,544 | 3,030,047 | 3,076,032 | 3,123,494 | 3,171,029 |
| Therms Per Residential Customer | 36,050 | 35,895 | 35,954 | 35,897 | 36,050 | 35,883 | 35,931 | 35,895 | 36,018 | 35,908 |
| Therms Per Commercial Customer | 192,598 | 192,058 | 191,912 | 199,164 | 202,562 | 200,759 | 193,270 | 192,060 | 192,561 | 191,950 |
| Therms Per Industrial Customer | 746,340 | 743,495 | 750,323 | 753,556 | 759,957 | 756,760 | 757,585 | 758,710 | 760,603 | 758,557 |
| Residential Customers | 207,270 | 210,191 | 213,181 | 216,240 | 219,363 | 222,554 | 225,807 | 229,122 | 232,498 | 235,954 |
| Commercial Customers | 28,158 | 28,523 | 28,902 | 29,290 | 29,694 | 30,109 | 30,537 | 30,973 | 31,425 | 31,883 |
| Industrial Customers | 515 | 524 | 534 | 545 | 556 | 565 | 575 | 585 | 594 | 604 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 235,953 | 239,248 | 242,627 | 246,085 | 249,623 | 253,238 | 256,929 | 260,690 | 264,526 | 268,451 |

| System | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.82% | 1.02% | 1.52% | 1.48% | 1.91% | 1.04% | 1.46% | 1.52% | 1.91% | 1.09% |
| Residential Therms | 186,836,884 | 189,044,103 | 192,073,344 | 195,174,168 | 199,169,303 | 201,521,618 | 204,786,284 | 208,135,270 | 212,425,125 | 214,984,169 |
| Commercial Therms | 133,218,358 | 134,287,011 | 135,908,833 | 137,582,382 | 139,864,675 | 141,021,266 | 142,799,515 | 144,621,053 | 147,073,965 | 148,379,160 |
| Industrial Therms | 17,794,718 | 18,033,542 | 18,656,995 | 19,108,587 | 19,659,836 | 19,955,860 | 20,313,379 | 20,828,112 | 21,321,978 | 21,661,157 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 344,101,735 | 347,616,431 | 352,890,948 | 358,116,912 | 364,945,590 | 368,750,520 | 374,150,953 | 379,836,209 | 387,072,843 | 391,276,263 |
| Daily Baseload Therms | 316,856 | 321,326 | 326,463 | 331,677 | 336,300 | 341,228 | 346,193 | 351,283 | 356,511 | 361,841 |
| Peak Day Therms | 3,825,090 | 3,886,188 | 3,950,795 | 4,013,757 | 4,077,774 | 4,143,371 | 4,207,697 | 4,274,107 | 4,341,583 | 4,408,777 |
| Therms Per Residential Customer | 47,806 | 47,600 | 47,659 | 47,599 | 47,805 | 47,585 | 47,631 | 47,596 | 47,770 | 47,609 |
| Therms Per Commercial Customer | 259,019 | 258,240 | 258,070 | 265,334 | 269,031 | 266,944 | 259,433 | 258,245 | 259,025 | 258,152 |
| Therms Per Industrial Customer | 1,088,959 | 1,085,196 | 1,100,900 | 1,106,721 | 1,115,840 | 1,113,158 | 1,114,799 | 1,118,156 | 1,123,762 | 1,120,544 |
| Residential Customers | 278,665 | 283,069 | 287,579 | 292,186 | 296,881 | 301,668 | 306,542 | 311,503 | 316,549 | 321,699 |
| Commercial Customers | 38,734 | 39,198 | 39,677 | 40,161 | 40,661 | 41,172 | 41,695 | 42,224 | 42,769 | 43,320 |
| Industrial Customers | 681 | 694 | 708 | 723 | 737 | 750 | 764 | 780 | 792 | 806 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 318,094 | 322,975 | 327,979 | 333,083 | 338,292 | 343,604 | 349,015 | 354,521 | 360,125 | 365,840 |

| Athena | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.39% | 2.67% | 1.59% | 1.84% | 1.97% | 2.49% | 1.58% | 1.94% | 1.96% |
| Residential Therms | 311,347 | 319,964 | 329,467 | 335,972 | 343,822 | 351,738 | 361,468 | 368,104 | 376,484 | 385,132 |
| Commercial Therms | 137,994 | 140,106 | 142,866 | 143,888 | 144,851 | 146,568 | 149,231 | 150,665 | 152,336 | 154,042 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 449,341 | 460,070 | 472,333 | 479,860 | 488,673 | 498,306 | 510,699 | 518,770 | 528,820 | 539,174 |
| Daily Baseload Therms | 193 | 198 | 202 | 207 | 210 | 215 | 219 | 224 | 229 | 233 |
| Peak Day Therms | 5,746 | 5,805 | 5,894 | 5,960 | 6,034 | 6,137 | 6,218 | 6,329 | 6,440 | 6,528 |
| Therms Per Residential Customer | 576 | 576 | 578 | 576 | 575 | 575 | 578 | 575 | 575 | 575 |
| Therms Per Commercial Customer | 2,118 | 2,117 | 2,127 | 2,116 | 2,112 | 2,111 | 2,127 | 2,117 | 2,116 | 2,115 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 541 | 556 | 570 | 584 | 598 | 611 | 626 | 640 | 655 | 670 |
| Commercial Customers | 65 | 66 | 67 | 68 | 69 | 69 | 70 | 71 | 72 | 73 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 606 | 622 | 637 | 652 | 666 | 681 | 696 | 711 | 727 | 743 |

| Baker | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.66% | 1.86% | 0.87% | 1.19% | 1.14% | 1.55% | 0.63% | 1.03% | 1.02% |
| Residential Therms | 2,184,932 | 2,228,198 | 2,276,733 | 2,302,728 | 2,336,747 | 2,369,919 | 2,413,291 | 2,434,395 | 2,465,679 | 2,496,481 |
| Commercial Therms | 1,542,620 | 1,562,011 | 1,584,840 | 1,593,064 | 1,605,923 | 1,618,484 | 1,637,661 | 1,642,518 | 1,653,936 | 1,665,679 |
| Industrial Therms | 55,823 | 55,823 | 56,009 | 55,823 | 55,811 | 55,811 | 56,009 | 55,823 | 55,823 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,783,375 | 3,846,032 | 3,917,582 | 3,951,614 | 3,998,482 | 4,044,215 | 4,106,961 | 4,132,736 | 4,175,438 | 4,217,983 |
| Daily Baseload Therms | 2,101 | 2,133 | 2,159 | 2,184 | 2,206 | 2,228 | 2,249 | 2,270 | 2,291 | 2,312 |
| Peak Day Therms | 41,139 | 41,381 | 41,623 | 41,872 | 42,122 | 42,371 | 42,627 | 42,884 | 43,147 | 43,404 |
| Therms Per Residential Customer | 634 | 634 | 637 | 634 | 634 | 634 | 636 | 634 | 634 | 634 |
| Therms Per Commercial Customer | 2,992 | 2,992 | 3,005 | 2,993 | 2,993 | 2,992 | 3,005 | 2,993 | 2,993 | 2,993 |
| Therms Per Industrial Customer | 27,911 | 27,911 | 28,005 | 27,911 | 27,905 | 27,905 | 28,005 | 27,911 | 27,911 | 27,911 |
| Residential Customers | 3,448 | 3,516 | 3,577 | 3,634 | 3,688 | 3,741 | 3,792 | 3,842 | 3,892 | 3,941 |
| Commercial Customers | 516 | 522 | 527 | 532 | 537 | 541 | 545 | 549 | 553 | 557 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,966 | 4,040 | 4,106 | 4,168 | 4,227 | 4,284 | 4,339 | 4,393 | 4,446 | 4,499 |

| Umatilla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 6.41% | 6.34% | 5.21% | 0.75% | 5.17% | 5.35% | 0.34% | 4.68% | 4.47% |
| Residential Therms | 312,145 | 320,629 | 330,132 | 336,365 | 344,049 | 351,750 | 361,326 | 367,397 | 375,333 | 383,394 |
| Commercial Therms | 534,022 | 542,852 | 553,064 | 558,860 | 565,714 | 571,946 | 581,310 | 586,528 | 593,104 | 599,684 |
| Industrial Therms | 201,506 | 288,702 | 378,944 | 463,093 | 463,027 | 550,217 | 641,362 | 637,484 | 724,680 | 811,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 1,630,927 | 1,735,437 | 1,845,394 | 1,941,572 | 1,956,044 | 2,057,166 | 2,167,251 | 2,174,662 | 2,276,371 | 2,378,207 |
| Daily Baseload Therms | 2,485 | 2,671 | 2,857 | 3,046 | 3,061 | 3,247 | 3,432 | 3,448 | 3,637 | 3,823 |
| Peak Day Therms | 14,936 | 15,752 | 16,539 | 17,361 | 17,486 | 18,280 | 19,108 | 19,214 | 20,049 | 20,850 |
| Therms Per Residential Customer | 277 | 277 | 278 | 277 | 277 | 277 | 278 | 277 | 277 | 277 |
| Therms Per Commercial Customer | 3,201 | 3,203 | 3,214 | 3,203 | 3,202 | 3,201 | 3,213 | 3,202 | 3,202 | 3,203 |
| Therms Per Industrial Customer | 22,390 | 28,870 | 34,449 | 38,591 | 38,586 | 42,324 | 45,812 | 45,535 | 48,312 | 50,742 |
| Residential Customers | 1,128 | 1,158 | 1,187 | 1,215 | 1,243 | 1,271 | 1,300 | 1,328 | 1,357 | 1,386 |
| Commercial Customers | 167 | 170 | 172 | 175 | 177 | 179 | 181 | 183 | 185 | 187 |
| Industrial Customers | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 14 | 15 | 16 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,305 | 1,339 | 1,371 | 1,403 | 1,433 | 1,464 | 1,496 | 1,526 | 1,558 | 1,590 |

| Chemult | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.25% | 1.20% | 0.28% | 1.78% | 0.00% | 0.44% | -0.41% | 0.00% | 0.00% |
| Residential Therms | 11,553 | 11,727 | 11,935 | 11,898 | 11,928 | 11,928 | 12,000 | 11,949 | 11,949 | 11,949 |
| Commercial Therms | 41,794 | 42,818 | 43,264 | 43,454 | 44,410 | 44,410 | 44,588 | 44,410 | 44,410 | 44,410 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 53,347 | 54,545 | 55,199 | 55,352 | 56,338 | 56,338 | 56,588 | 56,358 | 56,358 | 56,358 |
| Daily Baseload Therms | 51 | 51 | 51 | 51 | 53 | 53 | 53 | 53 | 53 | 53 |
| Peak Day Therms | 440 | 436 | 436 | 436 | 453 | 453 | 449 | 449 | 449 | 449 |
| Therms Per Residential Customer | 446 | 447 | 450 | 448 | 447 | 447 | 449 | 447 | 447 | 447 |
| Therms Per Commercial Customer | 1,864 | 1,868 | 1,881 | 1,876 | 1,863 | 1,863 | 1,871 | 1,863 | 1,863 | 1,863 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 26 | 26 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Commercial Customers | 22 | 23 | 23 | 23 | 24 | 24 | 24 | 24 | 24 | 24 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 48 | 49 | 50 | 50 | 51 | 51 | 51 | 51 | 51 | 51 |

| Gilchrist | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.90% | 1.29% | 0.50% | 0.48% | 0.07% | 0.55% | -0.22% | 0.22% | 0.00% |
| Residential Therms | 101,229 | 102,269 | 103,441 | 103,418 | 103,804 | 103,971 | 104,666 | 104,296 | 104,325 | 104,325 |
| Commercial Therms | 134,384 | 137,824 | 139,744 | 140,974 | 141,766 | 141,766 | 142,430 | 142,245 | 142,750 | 142,750 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 235,613 | 240,092 | 243,184 | 244,392 | 245,570 | 245,737 | 247,095 | 246,541 | 247,076 | 247,076 |
| Daily Baseload Therms | 146 | 148 | 149 | 151 | 151 | 152 | 152 | 152 | 152 | 152 |
| Peak Day Therms | 2,083 | 2,073 | 2,068 | 2,088 | 2,084 | 2,074 | 2,069 | 2,059 | 2,050 | 2,045 |
| Therms Per Residential Customer | 512 | 512 | 515 | 512 | 512 | 512 | 515 | 513 | 512 | 512 |
| Therms Per Commercial Customer | 3,143 | 3,144 | 3,170 | 3,144 | 3,150 | 3,150 | 3,165 | 3,155 | 3,161 | 3,161 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 198 | 200 | 201 | 202 | 203 | 203 | 203 | 204 | 204 | 204 |
| Commercial Customers | 43 | 44 | 44 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 240 | 244 | 245 | 247 | 248 | 248 | 248 | 249 | 249 | 249 |

| Hermiston | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.02% | 2.26% | 1.31% | 1.69% | 1.64% | 2.07% | 1.20% | 1.61% | 1.61% |
| Residential Therms | 2,506,591 | 2,575,241 | 2,651,985 | 2,704,099 | 2,767,579 | 2,831,807 | 2,910,029 | 2,963,389 | 3,030,770 | 3,099,738 |
| Commercial Therms | 3,016,920 | 3,064,413 | 3,119,138 | 3,146,224 | 3,185,298 | 3,222,530 | 3,273,496 | 3,297,590 | 3,334,691 | 3,371,792 |
| Industrial Therms | 223,529 | 223,529 | 224,354 | 223,529 | 223,499 | 223,499 | 224,354 | 223,529 | 223,529 | 223,529 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,747,040 | 5,863,183 | 5,995,478 | 6,073,851 | 6,176,376 | 6,277,836 | 6,407,880 | 6,484,508 | 6,588,990 | 6,695,059 |
| Daily Baseload Therms | 5,616 | 5,720 | 5,818 | 5,914 | 6,006 | 6,103 | 6,196 | 6,290 | 6,385 | 6,481 |
| Peak Day Therms | 67,048 | 67,703 | 68,439 | 69,255 | 70,055 | 70,926 | 71,782 | 72,710 | 73,710 | 74,694 |
| Therms Per Residential Customer | 645 | 645 | 647 | 644 | 644 | 644 | 647 | 644 | 644 | 644 |
| Therms Per Commercial Customer | 4,132 | 4,132 | 4,148 | 4,132 | 4,131 | 4,131 | 4,148 | 4,131 | 4,131 | 4,131 |
| Therms Per Industrial Customer | 27,941 | 27,941 | 28,044 | 27,941 | 27,937 | 27,937 | 28,044 | 27,941 | 27,941 | 27,941 |
| Residential Customers | 3,889 | 3,996 | 4,097 | 4,197 | 4,296 | 4,397 | 4,498 | 4,602 | 4,707 | 4,815 |
| Commercial Customers | 730 | 742 | 752 | 762 | 771 | 780 | 789 | 798 | 807 | 816 |
| Industrial Customers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,627 | 4,745 | 4,857 | 4,966 | 5,075 | 5,185 | 5,295 | 5,408 | 5,522 | 5,639 |

| Huntington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.32% | 1.58% | 0.58% | 0.98% | 1.33% | 3.08% | 0.41% | 0.87% | 0.80% |
| Residential Therms | 55,037 | 56,171 | 57,382 | 58,056 | 58,927 | 59,742 | 60,864 | 61,381 | 62,197 | 62,953 |
| Commercial Therms | 30,779 | 30,779 | 30,939 | 30,779 | 30,775 | 31,157 | 32,838 | 32,702 | 32,702 | 32,702 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 85,816 | 86,950 | 88,321 | 88,835 | 89,702 | 90,899 | 93,702 | 94,084 | 94,899 | 95,656 |
| Daily Baseload Therms | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Peak Day Therms | 1,220 | 1,226 | 1,238 | 1,244 | 1,250 | 1,256 | 1,262 | 1,268 | 1,280 | 1,286 |
| Therms Per Residential Customer | 408 | 409 | 411 | 409 | 409 | 409 | 411 | 409 | 409 | 409 |
| Therms Per Commercial Customer | 1,924 | 1,924 | 1,934 | 1,924 | 1,923 | 1,937 | 1,951 | 1,924 | 1,924 | 1,924 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 135 | 137 | 140 | 142 | 144 | 146 | 148 | 150 | 152 | 154 |
| Commercial Customers | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 151 | 153 | 156 | 158 | 160 | 162 | 165 | 167 | 169 | 171 |

| La Pine | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.50% | 2.78% | 1.76% | 2.13% | 2.07% | 2.42% | 1.48% | 1.90% | 1.81% |
| Residential Therms | 144,629 | 148,271 | 152,428 | 155,475 | 159,080 | 162,873 | 167,447 | 170,780 | 174,662 | 178,833 |
| Commercial Therms | 370,109 | 379,323 | 389,817 | 396,292 | 404,417 | 412,298 | 421,656 | 427,033 | 434,522 | 441,394 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 514,738 | 527,594 | 542,245 | 551,767 | 563,497 | 575,171 | 589,103 | 597,813 | 609,184 | 620,227 |
| Daily Baseload Therms | 422 | 434 | 444 | 453 | 463 | 471 | 481 | 491 | 499 | 509 |
| Peak Day Therms | 5,451 | 5,552 | 5,646 | 5,776 | 5,877 | 5,978 | 6,079 | 6,210 | 6,311 | 6,419 |
| Therms Per Residential Customer | 628 | 628 | 630 | 628 | 628 | 628 | 630 | 628 | 628 | 628 |
| Therms Per Commercial Customer | 2,767 | 2,767 | 2,779 | 2,768 | 2,767 | 2,767 | 2,779 | 2,765 | 2,768 | 2,766 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 230 | 236 | 242 | 248 | 253 | 260 | 266 | 272 | 278 | 285 |
| Commercial Customers | 134 | 137 | 140 | 143 | 146 | 149 | 152 | 154 | 157 | 160 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 364 | 373 | 382 | 391 | 400 | 409 | 417 | 427 | 435 | 445 |

| Madras | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.48% | 1.93% | 1.01% | 1.50% | 2.25% | 3.12% | 1.13% | 1.66% | 1.69% |
| Residential Therms | 667,638 | 687,395 | 710,973 | 728,776 | 751,468 | 775,902 | 806,125 | 829,934 | 859,550 | 890,602 |
| Commercial Therms | 1,165,337 | 1,188,395 | 1,216,780 | 1,233,836 | 1,256,636 | 1,279,106 | 1,308,015 | 1,325,632 | 1,350,384 | 1,375,474 |
| Industrial Therms | 1,034,879 | 1,034,879 | 1,039,617 | 1,034,879 | 1,034,692 | 1,056,848 | 1,095,436 | 1,090,448 | 1,090,448 | 1,090,448 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 2,888,791 | 2,931,606 | 2,988,307 | 3,018,428 | 3,063,732 | 3,132,793 | 3,230,512 | 3,266,951 | 3,321,320 | 3,377,461 |
| Daily Baseload Therms | 2,307 | 2,341 | 2,378 | 2,416 | 2,455 | 2,529 | 2,570 | 2,612 | 2,658 | 2,703 |
| Peak Day Therms | 31,411 | 32,415 | 32,841 | 33,253 | 33,710 | 34,192 | 34,699 | 35,219 | 35,796 | 36,386 |
| Therms Per Residential Customer | 538 | 538 | 540 | 537 | 537 | 537 | 540 | 537 | 537 | 537 |
| Therms Per Commercial Customer | 2,942 | 2,942 | 2,955 | 2,941 | 2,941 | 2,941 | 2,954 | 2,941 | 2,941 | 2,941 |
| Therms Per Industrial Customer | 54,467 | 54,467 | 54,717 | 54,467 | 54,457 | 54,430 | 54,772 | 54,522 | 54,522 | 54,522 |
| Residential Customers | 1,242 | 1,279 | 1,316 | 1,356 | 1,399 | 1,445 | 1,494 | 1,546 | 1,601 | 1,659 |
| Commercial Customers | 396 | 404 | 412 | 420 | 427 | 435 | 443 | 451 | 459 | 468 |
| Industrial Customers | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,658 | 1,703 | 1,748 | 1,796 | 1,846 | 1,900 | 1,957 | 2,017 | 2,081 | 2,148 |

| Milton-Freewater | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.75% | 2.00% | 1.00% | 1.58% | 1.28% | 1.84% | 0.93% | 1.47% | 1.27% |
| Residential Therms | 104,931 | 107,796 | 111,163 | 113,240 | 115,859 | 118,508 | 121,950 | 124,052 | 126,967 | 129,791 |
| Commercial Therms | 291,777 | 296,332 | 301,475 | 303,944 | 308,384 | 311,519 | 316,344 | 318,714 | 322,719 | 325,969 |
| Industrial Therms | 27,421 | 27,419 | 27,543 | 27,419 | 27,407 | 27,409 | 27,543 | 27,419 | 27,419 | 27,419 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 424,129 | 431,547 | 440,181 | 444,603 | 451,649 | 457,435 | 465,838 | 470,184 | 477,105 | 483,179 |
| Daily Baseload Therms | 403 | 411 | 415 | 419 | 427 | 431 | 436 | 443 | 448 | 452 |
| Peak Day Therms | 5,280 | 5,340 | 5,359 | 5,419 | 5,485 | 5,545 | 5,611 | 5,642 | 5,708 | 5,774 |
| Therms Per Residential Customer | 433 | 433 | 435 | 433 | 433 | 433 | 435 | 433 | 433 | 433 |
| Therms Per Commercial Customer | 2,840 | 2,838 | 2,851 | 2,836 | 2,840 | 2,838 | 2,848 | 2,837 | 2,841 | 2,839 |
| Therms Per Industrial Customer | 4,986 | 4,985 | 5,008 | 4,985 | 4,983 | 4,983 | 5,008 | 4,985 | 4,985 | 4,985 |
| Residential Customers | 242 | 249 | 255 | 261 | 268 | 274 | 280 | 287 | 293 | 300 |
| Commercial Customers | 103 | 104 | 106 | 107 | 109 | 110 | 111 | 112 | 114 | 115 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 350 | 359 | 367 | 374 | 382 | 389 | 397 | 404 | 412 | 420 |

| Mission Tap | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.33% | 2.34% | 0.55% | 1.95% | 1.22% | 1.94% | 1.18% | 1.38% | 1.80% |
| Residential Therms | 126,834 | 130,218 | 134,051 | 136,742 | 140,022 | 143,287 | 147,174 | 149,848 | 153,311 | 156,852 |
| Commercial Therms | 359,932 | 367,903 | 375,742 | 375,874 | 382,602 | 385,700 | 392,063 | 395,740 | 399,787 | 406,195 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 486,766 | 498,121 | 509,792 | 512,616 | 522,624 | 528,987 | 539,237 | 545,587 | 553,098 | 563,047 |
| Daily Baseload Therms | 470 | 481 | 492 | 495 | 506 | 508 | 519 | 530 | 534 | 545 |
| Peak Day Therms | 5,617 | 5,730 | 5,758 | 5,785 | 5,906 | 5,933 | 5,961 | 6,088 | 6,122 | 6,250 |
| Therms Per Residential Customer | 551 | 551 | 553 | 550 | 550 | 550 | 553 | 550 | 550 | 550 |
| Therms Per Commercial Customer | 7,984 | 7,983 | 8,009 | 7,983 | 7,971 | 7,966 | 8,001 | 7,968 | 7,982 | 7,978 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 230 | 237 | 243 | 248 | 254 | 260 | 266 | 272 | 279 | 285 |
| Commercial Customers | 45 | 46 | 47 | 47 | 48 | 48 | 49 | 50 | 50 | 51 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 275 | 283 | 289 | 296 | 302 | 309 | 315 | 322 | 329 | 336 |

| Nyssa-Ontario | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.30% | 3.19% | 1.60% | 2.45% | 1.90% | 2.71% | 1.48% | 2.33% | 1.70% |
| Residential Therms | 1,923,593 | 1,941,472 | 1,966,064 | 1,969,729 | 1,982,125 | 1,994,157 | 2,016,129 | 2,017,283 | 2,028,266 | 2,039,124 |
| Commercial Therms | 2,474,089 | 2,511,077 | 2,555,685 | 2,575,402 | 2,604,635 | 2,633,401 | 2,673,676 | 2,689,183 | 2,715,874 | 2,743,127 |
| Industrial Therms | 518,733 | 604,332 | 734,071 | 814,046 | 932,569 | 1,018,883 | 1,142,011 | 1,229,108 | 1,357,621 | 1,443,188 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 6,104,649 | 6,245,116 | 6,444,055 | 6,547,411 | 6,707,563 | 6,834,675 | 7,020,050 | 7,123,808 | 7,289,995 | 7,413,673 |
| Daily Baseload Therms | 6,384 | 6,703 | 6,877 | 7,188 | 7,358 | 7,666 | 7,836 | 8,141 | 8,310 | 8,615 |
| Peak Day Therms | 71,146 | 72,011 | 73,578 | 74,456 | 76,023 | 76,940 | 78,546 | 79,430 | 81,043 | 81,966 |
| Therms Per Residential Customer | 511 | 511 | 513 | 510 | 510 | 510 | 513 | 510 | 510 | 510 |
| Therms Per Commercial Customer | 2,612 | 2,611 | 2,623 | 2,611 | 2,611 | 2,611 | 2,623 | 2,611 | 2,611 | 2,611 |
| Therms Per Industrial Customer | 21,318 | 23,545 | 26,856 | 28,397 | 30,829 | 32,260 | 34,432 | 35,540 | 37,366 | 38,315 |
| Residential Customers | 3,768 | 3,802 | 3,832 | 3,859 | 3,884 | 3,908 | 3,931 | 3,953 | 3,974 | 3,996 |
| Commercial Customers | 947 | 962 | 974 | 986 | 998 | 1,009 | 1,020 | 1,030 | 1,040 | 1,051 |
| Industrial Customers | 24 | 26 | 27 | 29 | 30 | 32 | 33 | 35 | 36 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,740 | 4,791 | 4,835 | 4,875 | 4,913 | 4,949 | 4,984 | 5,018 | 5,052 | 5,085 |

| Pendleton | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.89% | 2.16% | 1.22% | 1.59% | 1.58% | 1.99% | 1.14% | 1.56% | 1.55% |
| Residential Therms | 2,976,582 | 3,057,981 | 3,149,048 | 3,211,015 | 3,286,399 | 3,362,561 | 3,455,364 | 3,518,851 | 3,598,988 | 3,680,591 |
| Commercial Therms | 2,533,925 | 2,573,406 | 2,620,407 | 2,642,622 | 2,674,558 | 2,706,485 | 2,749,255 | 2,769,735 | 2,801,263 | 2,832,440 |
| Industrial Therms | 265,367 | 265,367 | 268,331 | 265,367 | 265,249 | 265,249 | 268,331 | 265,367 | 265,367 | 265,367 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 6,401,916 | 6,522,796 | 6,663,828 | 6,745,047 | 6,852,248 | 6,960,337 | 7,098,993 | 7,179,996 | 7,291,661 | 7,404,441 |
| Daily Baseload Therms | 5,666 | 5,753 | 5,831 | 5,911 | 5,988 | 6,066 | 6,141 | 6,220 | 6,299 | 6,377 |
| Peak Day Therms | 78,047 | 78,838 | 79,675 | 80,583 | 81,521 | 82,504 | 83,517 | 84,568 | 85,698 | 86,857 |
| Therms Per Residential Customer | 570 | 570 | 573 | 570 | 570 | 570 | 573 | 570 | 570 | 570 |
| Therms Per Commercial Customer | 3,237 | 3,237 | 3,250 | 3,237 | 3,236 | 3,236 | 3,250 | 3,236 | 3,236 | 3,236 |
| Therms Per Industrial Customer | 37,910 | 37,910 | 38,333 | 37,910 | 37,893 | 37,893 | 38,333 | 37,910 | 37,910 | 37,910 |
| Residential Customers | 5,218 | 5,361 | 5,497 | 5,631 | 5,764 | 5,899 | 6,035 | 6,174 | 6,315 | 6,460 |
| Commercial Customers | 783 | 795 | 806 | 817 | 827 | 836 | 846 | 856 | 866 | 875 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,009 | 6,164 | 6,311 | 6,455 | 6,599 | 6,743 | 6,889 | 7,038 | 7,189 | 7,343 |

| Prineville | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.25% | 3.40% | 2.24% | 2.52% | 2.45% | 2.81% | 1.78% | 2.16% | 2.11% |
| Residential Therms | 1,308,198 | 1,348,806 | 1,392,642 | 1,421,247 | 1,454,639 | 1,487,433 | 1,527,217 | 1,551,568 | 1,582,416 | 1,613,077 |
| Commercial Therms | 1,600,868 | 1,656,599 | 1,715,721 | 1,756,157 | 1,801,754 | 1,847,672 | 1,899,982 | 1,934,758 | 1,976,935 | 2,019,339 |
| Industrial Therms | 620,708 | 638,964 | 660,057 | 675,476 | 693,499 | 711,749 | 733,396 | 748,501 | 766,757 | 785,013 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,529,774 | 3,644,369 | 3,768,419 | 3,852,880 | 3,949,892 | 4,046,854 | 4,160,595 | 4,234,827 | 4,326,108 | 4,417,429 |
| Daily Baseload Therms | 2,641 | 2,726 | 2,805 | 2,883 | 2,959 | 3,034 | 3,106 | 3,178 | 3,247 | 3,319 |
| Peak Day Therms | 37,523 | 38,242 | 38,990 | 39,708 | 40,456 | 41,210 | 41,929 | 42,676 | 43,431 | 44,143 |
| Therms Per Residential Customer | 511 | 511 | 513 | 511 | 511 | 511 | 513 | 511 | 511 | 511 |
| Therms Per Commercial Customer | 2,894 | 2,894 | 2,907 | 2,894 | 2,892 | 2,892 | 2,906 | 2,893 | 2,893 | 2,893 |
| Therms Per Industrial Customer | 18,256 | 18,256 | 18,335 | 18,256 | 18,250 | 18,250 | 18,335 | 18,256 | 18,256 | 18,256 |
| Residential Customers | 2,560 | 2,640 | 2,713 | 2,782 | 2,849 | 2,913 | 2,976 | 3,038 | 3,099 | 3,159 |
| Commercial Customers | 553 | 573 | 590 | 607 | 623 | 639 | 654 | 669 | 683 | 698 |
| Industrial Customers | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,148 | 3,247 | 3,339 | 3,426 | 3,509 | 3,591 | 3,670 | 3,748 | 3,824 | 3,900 |

| Redmond | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.12% | 3.27% | 2.25% | 2.56% | 2.40% | 2.96% | 1.85% | 2.22% | 2.22% |
| Residential Therms | 4,751,274 | 4,867,439 | 5,008,422 | 5,106,125 | 5,227,702 | 5,351,904 | 5,504,380 | 5,608,125 | 5,738,900 | 5,871,479 |
| Commercial Therms | 3,452,507 | 3,537,609 | 3,635,758 | 3,696,401 | 3,772,010 | 3,844,737 | 3,934,382 | 3,987,222 | 4,054,567 | 4,122,531 |
| Industrial Therms | 861,679 | 943,047 | 1,009,782 | 1,069,028 | 1,124,481 | 1,170,893 | 1,235,641 | 1,276,185 | 1,319,663 | 1,366,035 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,065,459 | 9,348,095 | 9,653,962 | 9,871,553 | 10,124,193 | 10,367,534 | 10,674,403 | 10,871,532 | 11,113,130 | 11,360,045 |
| Daily Baseload Therms | 7,830 | 8,129 | 8,425 | 8,646 | 8,942 | 9,162 | 9,383 | 9,606 | 9,825 | 10,121 |
| Peak Day Therms | 101,827 | 104,267 | 106,367 | 108,895 | 111,049 | 113,556 | 115,771 | 118,358 | 120,908 | 123,151 |
| Therms Per Residential Customer | 622 | 622 | 625 | 622 | 622 | 622 | 625 | 622 | 622 | 622 |
| Therms Per Commercial Customer | 2,847 | 2,847 | 2,859 | 2,847 | 2,846 | 2,847 | 2,859 | 2,847 | 2,847 | 2,847 |
| Therms Per Industrial Customer | 39,316 | 39,431 | 39,470 | 39,351 | 39,340 | 39,358 | 39,541 | 39,368 | 39,393 | 39,405 |
| Residential Customers | 7,635 | 7,822 | 8,012 | 8,205 | 8,402 | 8,602 | 8,805 | 9,012 | 9,222 | 9,436 |
| Commercial Customers | 1,213 | 1,243 | 1,272 | 1,298 | 1,325 | 1,351 | 1,376 | 1,401 | 1,424 | 1,448 |
| Industrial Customers | 22 | 24 | 26 | 27 | 29 | 30 | 31 | 32 | 34 | 35 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 8,869 | 9,088 | 9,309 | 9,531 | 9,756 | 9,982 | 10,213 | 10,445 | 10,680 | 10,918 |

| Stanfield | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.58% | 2.37% | 1.88% | 1.75% | 2.26% | 2.15% | 1.75% | 1.76% | 2.04% |
| Residential Therms | 163,610 | 168,089 | 173,103 | 176,504 | 180,565 | 184,812 | 189,974 | 193,440 | 197,847 | 202,315 |
| Commercial Therms | 69,341 | 70,878 | 71,522 | 72,727 | 73,038 | 74,512 | 74,926 | 76,087 | 76,425 | 77,563 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 232,950 | 238,967 | 244,625 | 249,231 | 253,603 | 259,324 | 264,900 | 269,526 | 274,271 | 279,878 |
| Daily Baseload Therms | 148 | 152 | 155 | 159 | 161 | 165 | 167 | 171 | 174 | 176 |
| Peak Day Therms | 3,020 | 3,077 | 3,110 | 3,149 | 3,189 | 3,252 | 3,291 | 3,337 | 3,407 | 3,460 |
| Therms Per Residential Customer | 492 | 492 | 494 | 491 | 491 | 491 | 493 | 491 | 491 | 491 |
| Therms Per Commercial Customer | 1,845 | 1,841 | 1,854 | 1,841 | 1,845 | 1,844 | 1,850 | 1,841 | 1,842 | 1,839 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 333 | 342 | 351 | 359 | 368 | 376 | 385 | 394 | 403 | 412 |
| Commercial Customers | 38 | 39 | 39 | 40 | 40 | 40 | 41 | 41 | 42 | 42 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 370 | 380 | 389 | 399 | 407 | 417 | 426 | 435 | 444 | 454 |

| Stearns (Sunriver) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.69% | 2.79% | 2.01% | 2.44% | 2.23% | 2.69% | 1.90% | 2.24% | 2.16% |
| Residential Therms | 3,908,986 | 4,004,330 | 4,119,398 | 4,200,366 | 4,301,216 | 4,403,733 | 4,527,525 | 4,613,733 | 4,721,312 | 4,830,773 |
| Commercial Therms | 1,116,272 | 1,144,756 | 1,173,970 | 1,195,208 | 1,219,980 | 1,242,728 | 1,270,676 | 1,289,067 | 1,310,551 | 1,332,254 |
| Industrial Therms | 64,154 | 77,110 | 78,753 | 84,600 | 92,532 | 92,532 | 95,281 | 102,737 | 107,954 | 109,361 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,089,412 | 5,226,196 | 5,372,121 | 5,480,175 | 5,613,728 | 5,738,994 | 5,893,483 | 6,005,536 | 6,139,817 | 6,272,389 |
| Daily Baseload Therms | 5,497 | 5,672 | 5,796 | 5,922 | 6,092 | 6,221 | 6,351 | 6,484 | 6,659 | 6,785 |
| Peak Day Therms | 49,759 | 50,931 | 52,125 | 53,433 | 54,659 | 55,908 | 57,167 | 58,448 | 59,751 | 61,026 |
| Therms Per Residential Customer | 988 | 988 | 992 | 988 | 988 | 988 | 992 | 988 | 988 | 988 |
| Therms Per Commercial Customer | 4,750 | 4,750 | 4,766 | 4,749 | 4,750 | 4,749 | 4,765 | 4,749 | 4,750 | 4,750 |
| Therms Per Industrial Customer | 15,397 | 15,422 | 15,492 | 15,382 | 15,422 | 15,422 | 15,451 | 15,411 | 15,422 | 15,439 |
| Residential Customers | 3,957 | 4,054 | 4,152 | 4,252 | 4,354 | 4,458 | 4,564 | 4,671 | 4,780 | 4,891 |
| Commercial Customers | 235 | 241 | 246 | 252 | 257 | 262 | 267 | 271 | 276 | 281 |
| Industrial Customers | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,196 | 4,300 | 4,404 | 4,510 | 4,617 | 4,726 | 4,836 | 4,949 | 5,063 | 5,178 |

| Pronghorn | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.88% | 1.88% | 2.39% | 1.70% | 1.71% | 3.54% | 1.73% | 2.46% | 1.26% |
| Residential Therms | 366,866 | 377,343 | 388,356 | 396,894 | 406,356 | 415,586 | 426,156 | 434,296 | 443,838 | 453,070 |
| Commercial Therms | 238,729 | 251,720 | 252,548 | 259,333 | 260,998 | 263,191 | 276,656 | 280,709 | 288,759 | 288,759 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 605,595 | 629,063 | 640,904 | 656,227 | 667,353 | 678,778 | 702,812 | 715,005 | 732,596 | 741,829 |
| Daily Baseload Therms | 903 | 948 | 963 | 992 | 1,005 | 1,019 | 1,048 | 1,074 | 1,106 | 1,117 |
| Peak Day Therms | 5,974 | 6,042 | 6,127 | 6,375 | 6,460 | 6,609 | 6,711 | 6,779 | 6,962 | 7,030 |
| Therms Per Residential Customer | 1,597 | 1,598 | 1,603 | 1,597 | 1,597 | 1,597 | 1,603 | 1,597 | 1,597 | 1,597 |
| Therms Per Commercial Customer | 9,271 | 9,266 | 9,296 | 9,262 | 9,266 | 9,289 | 9,299 | 9,280 | 9,265 | 9,265 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 230 | 236 | 242 | 249 | 254 | 260 | 266 | 272 | 278 | 284 |
| Commercial Customers | 26 | 27 | 27 | 28 | 28 | 28 | 30 | 30 | 31 | 31 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 255 | 263 | 269 | 277 | 283 | 289 | 296 | 302 | 309 | 315 |

| Bend Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.60% | 2.91% | 1.96% | 2.34% | 2.28% | 2.70% | 1.76% | 2.16% | 2.14% |
| Residential Therms | 23,627,383 | 24,204,025 | 24,900,065 | 25,388,532 | 25,995,232 | 26,614,437 | 27,366,987 | 27,887,469 | 28,538,469 | 29,199,138 |
| Commercial Therms | 12,089,589 | 12,388,827 | 12,724,884 | 12,941,142 | 13,202,674 | 13,459,083 | 13,767,781 | 13,952,323 | 14,190,501 | 14,422,380 |
| Industrial Therms | 727,443 | 798,074 | 852,856 | 903,478 | 952,848 | 993,883 | 1,040,283 | 1,078,077 | 1,115,040 | 1,158,869 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 36,444,415 | 37,390,925 | 38,477,805 | 39,233,152 | 40,150,754 | 41,067,403 | 42,175,051 | 42,917,869 | 43,844,010 | 44,780,387 |
| Daily Baseload Therms | 31,094 | 31,922 | 32,713 | 33,528 | 34,315 | 35,104 | 35,892 | 36,683 | 37,445 | 38,239 |
| Peak Day Therms | 379,985 | 388,616 | 397,141 | 405,965 | 414,904 | 423,920 | 433,030 | 442,225 | 451,488 | 460,799 |
| Therms Per Residential Customer | 758 | 758 | 761 | 758 | 758 | 758 | 761 | 758 | 758 | 758 |
| Therms Per Commercial Customer | 2,793 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 | 2,805 | 2,793 | 2,793 | 2,793 |
| Therms Per Industrial Customer | 21,933 | 21,965 | 22,057 | 21,947 | 21,947 | 21,924 | 22,017 | 21,964 | 21,971 | 21,969 |
| Residential Customers | 31,180 | 31,941 | 32,716 | 33,505 | 34,308 | 35,126 | 35,958 | 36,804 | 37,663 | 38,535 |
| Commercial Customers | 4,328 | 4,436 | 4,537 | 4,634 | 4,728 | 4,820 | 4,909 | 4,996 | 5,082 | 5,165 |
| Industrial Customers | 33 | 36 | 39 | 41 | 43 | 45 | 47 | 49 | 51 | 53 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 35,541 | 36,413 | 37,291 | 38,180 | 39,079 | 39,991 | 40,914 | 41,849 | 42,795 | 43,753 |

| McCleary (Aberdeen/Hoquiam) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.59% | 0.93% | 0.09% | 0.40% | 0.41% | 0.82% | 0.00% | 0.38% | 0.39% |
| Residential Therms | 2,518,434 | 2,547,189 | 2,582,870 | 2,594,877 | 2,616,063 | 2,637,149 | 2,669,556 | 2,678,887 | 2,699,174 | 2,719,462 |
| Commercial Therms | 3,323,351 | 3,331,760 | 3,353,279 | 3,348,332 | 3,352,684 | 3,357,915 | 3,376,632 | 3,368,989 | 3,373,429 | 3,378,378 |
| Industrial Therms | 437,822 | 437,822 | 439,397 | 437,822 | 437,690 | 437,690 | 439,397 | 437,822 | 437,822 | 437,822 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,279,607 | 6,316,771 | 6,375,546 | 6,381,031 | 6,406,437 | 6,432,755 | 6,485,584 | 6,485,698 | 6,510,424 | 6,535,662 |
| Daily Baseload Therms | 6,986 | 7,011 | 7,039 | 7,066 | 7,086 | 7,107 | 7,127 | 7,146 | 7,166 | 7,185 |
| Peak Day Therms | 57,205 | 57,147 | 57,137 | 57,127 | 57,125 | 57,136 | 56,996 | 57,015 | 57,075 | 57,108 |
| Therms Per Residential Customer | 702 | 702 | 705 | 702 | 702 | 702 | 705 | 702 | 702 | 702 |
| Therms Per Commercial Customer | 4,444 | 4,445 | 4,462 | 4,445 | 4,444 | 4,444 | 4,462 | 4,445 | 4,445 | 4,445 |
| Therms Per Industrial Customer | 25,754 | 25,754 | 25,847 | 25,754 | 25,746 | 25,746 | 25,847 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,586 | 3,627 | 3,662 | 3,695 | 3,726 | 3,756 | 3,785 | 3,815 | 3,844 | 3,873 |
| Commercial Customers | 748 | 750 | 752 | 753 | 755 | 756 | 757 | 758 | 759 | 760 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,351 | 4,393 | 4,431 | 4,465 | 4,497 | 4,528 | 4,559 | 4,589 | 4,619 | 4,650 |

| Acme | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.34% | 1.27% | 0.92% | 1.62% | 4.29% | 1.22% | 0.37% | 0.78% | 2.41% |
| Residential Therms | 51,607 | 52,362 | 53,338 | 54,309 | 55,203 | 56,128 | 57,131 | 57,650 | 58,405 | 59,275 |
| Commercial Therms | 33,740 | 35,837 | 35,983 | 35,837 | 36,406 | 39,415 | 39,581 | 39,421 | 39,421 | 40,910 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 85,347 | 88,199 | 89,321 | 90,146 | 91,610 | 95,543 | 96,711 | 97,070 | 97,825 | 100,185 |
| Daily Baseload Therms | 57 | 58 | 58 | 59 | 60 | 63 | 63 | 64 | 64 | 67 |
| Peak Day Therms | 792 | 799 | 841 | 841 | 848 | 855 | 862 | 905 | 919 | 926 |
| Therms Per Residential Customer | 760 | 760 | 763 | 761 | 761 | 759 | 763 | 759 | 759 | 760 |
| Therms Per Commercial Customer | 3,521 | 3,584 | 3,598 | 3,584 | 3,611 | 3,583 | 3,598 | 3,584 | 3,584 | 3,532 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 68 | 69 | 70 | 71 | 73 | 74 | 75 | 76 | 77 | 78 |
| Commercial Customers | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 12 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 78 | 79 | 80 | 81 | 83 | 85 | 86 | 87 | 88 | 90 |

| Arlington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.56% | 2.84% | 1.94% | 2.32% | 2.26% | 2.68% | 1.80% | 2.20% | 2.18% |
| Residential Therms | 3,457,193 | 3,521,855 | 3,603,214 | 3,657,861 | 3,728,721 | 3,802,513 | 3,894,596 | 3,957,519 | 4,037,841 | 4,120,404 |
| Commercial Therms | 1,952,966 | 2,002,624 | 2,058,067 | 2,095,286 | 2,138,909 | 2,182,358 | 2,234,882 | 2,267,430 | 2,309,070 | 2,350,956 |
| Industrial Therms | 433,809 | 469,258 | 502,454 | 530,044 | 561,053 | 589,399 | 620,871 | 646,922 | 675,993 | 704,352 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,843,968 | 5,993,737 | 6,163,734 | 6,283,191 | 6,428,682 | 6,574,269 | 6,750,349 | 6,871,871 | 7,022,905 | 7,175,712 |
| Daily Baseload Therms | 5,630 | 5,788 | 5,943 | 6,097 | 6,237 | 6,395 | 6,539 | 6,698 | 6,842 | 7,004 |
| Peak Day Therms | 59,120 | 60,292 | 61,508 | 62,754 | 64,031 | 65,215 | 66,551 | 67,910 | 69,268 | 70,671 |
| Therms Per Residential Customer | 709 | 710 | 712 | 709 | 709 | 709 | 712 | 709 | 709 | 709 |
| Therms Per Commercial Customer | 3,144 | 3,143 | 3,156 | 3,144 | 3,143 | 3,143 | 3,156 | 3,143 | 3,143 | 3,143 |
| Therms Per Industrial Customer | 11,441 | 11,469 | 11,507 | 11,460 | 11,470 | 11,463 | 11,515 | 11,467 | 11,474 | 11,468 |
| Residential Customers | 4,873 | 4,964 | 5,058 | 5,156 | 5,256 | 5,360 | 5,468 | 5,578 | 5,692 | 5,808 |
| Commercial Customers | 621 | 637 | 652 | 667 | 681 | 694 | 708 | 721 | 735 | 748 |
| Industrial Customers | 38 | 41 | 44 | 46 | 49 | 51 | 54 | 56 | 59 | 61 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,532 | 5,642 | 5,754 | 5,868 | 5,986 | 6,106 | 6,230 | 6,356 | 6,485 | 6,617 |

| Bremerton (Shelton) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.83% | 1.77% | 1.26% | 1.63% | 1.61% | 2.00% | 1.18% | 1.58% | 1.57% |
| Residential Therms | 22,014,113 | 22,422,724 | 22,909,610 | 23,200,812 | 23,583,258 | 23,966,721 | 24,453,660 | 24,740,752 | 25,132,113 | 25,527,314 |
| Commercial Therms | 11,662,428 | 11,902,947 | 12,178,732 | 12,356,485 | 12,581,563 | 12,807,813 | 13,088,590 | 13,269,581 | 13,507,131 | 13,746,777 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 35,566,240 | 36,215,369 | 36,855,940 | 37,321,016 | 37,928,540 | 38,538,253 | 39,309,847 | 39,774,051 | 40,402,962 | 41,037,809 |
| Daily Baseload Therms | 33,840 | 34,410 | 34,665 | 35,203 | 35,745 | 36,282 | 36,830 | 37,380 | 37,940 | 38,508 |
| Peak Day Therms | 334,059 | 338,458 | 342,358 | 347,023 | 351,816 | 356,753 | 361,805 | 367,014 | 372,290 | 377,764 |
| Therms Per Residential Customer | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 32,943 | 33,553 | 34,141 | 34,718 | 35,293 | 35,868 | 36,445 | 37,026 | 37,612 | 38,205 |
| Commercial Customers | 3,126 | 3,191 | 3,252 | 3,312 | 3,373 | 3,434 | 3,495 | 3,557 | 3,621 | 3,686 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 36,087 | 36,761 | 37,409 | 38,047 | 38,682 | 39,317 | 39,956 | 40,599 | 41,249 | 41,906 |

| Castle Rock | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.34% | 2.53% | 1.72% | 1.97% | 1.87% | 2.31% | 1.17% | 1.87% | 1.81% |
| Residential Therms | 38,052 | 39,485 | 40,856 | 41,862 | 42,993 | 44,023 | 45,312 | 46,225 | 47,324 | 48,368 |
| Commercial Therms | 140,922 | 143,669 | 146,936 | 149,162 | 151,795 | 154,404 | 157,696 | 159,155 | 161,902 | 164,649 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 178,974 | 183,154 | 187,791 | 191,024 | 194,788 | 198,427 | 203,007 | 205,380 | 209,226 | 213,017 |
| Daily Baseload Therms | 232 | 237 | 242 | 247 | 252 | 257 | 262 | 262 | 267 | 272 |
| Peak Day Therms | 1,423 | 1,450 | 1,455 | 1,481 | 1,513 | 1,518 | 1,550 | 1,577 | 1,603 | 1,635 |
| Therms Per Residential Customer | 521 | 521 | 523 | 520 | 520 | 520 | 522 | 520 | 521 | 520 |
| Therms Per Commercial Customer | 2,759 | 2,758 | 2,768 | 2,758 | 2,760 | 2,761 | 2,771 | 2,764 | 2,764 | 2,763 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 73 | 76 | 78 | 81 | 83 | 85 | 87 | 89 | 91 | 93 |
| Commercial Customers | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 124 | 128 | 131 | 135 | 138 | 141 | 144 | 146 | 150 | 153 |

| Walla Walla | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.77% | 2.01% | 1.11% | 1.46% | 1.42% | 1.80% | 0.95% | 1.35% | 1.32% |
| Residential Therms | 6,683,296 | 6,828,863 | 6,992,581 | 7,092,272 | 7,217,020 | 7,340,065 | 7,493,473 | 7,582,879 | 7,702,846 | 7,822,550 |
| Commercial Therms | 4,312,225 | 4,391,693 | 4,483,489 | 4,536,114 | 4,606,524 | 4,675,708 | 4,765,018 | 4,814,663 | 4,885,651 | 4,955,869 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,746,406 | 12,971,441 | 13,232,418 | 13,379,271 | 13,574,430 | 13,766,659 | 14,014,839 | 14,148,427 | 14,339,382 | 14,529,304 |
| Daily Baseload Therms | 10,667 | 10,834 | 10,990 | 11,141 | 11,286 | 11,434 | 11,577 | 11,723 | 11,868 | 12,010 |
| Peak Day Therms | 166,556 | 168,314 | 170,088 | 171,879 | 173,727 | 175,600 | 177,523 | 179,462 | 181,468 | 183,489 |
| Therms Per Residential Customer | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,245 | 3,245 | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,576 | 11,828 | 12,062 | 12,286 | 12,503 | 12,717 | 12,929 | 13,139 | 13,347 | 13,555 |
| Commercial Customers | 1,329 | 1,353 | 1,376 | 1,398 | 1,420 | 1,441 | 1,463 | 1,484 | 1,506 | 1,528 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,923 | 13,199 | 13,456 | 13,702 | 13,941 | 14,176 | 14,409 | 14,641 | 14,871 | 15,101 |

| Deming | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.06% | 1.82% | 4.60% | 0.51% | 0.20% | 3.14% | 3.40% | 0.97% | 2.59% |
| Residential Therms | 13,817 | 13,904 | 14,415 | 14,349 | 14,548 | 14,869 | 15,036 | 15,413 | 15,500 | 15,944 |
| Commercial Therms | 134,573 | 134,573 | 136,766 | 143,784 | 144,393 | 144,393 | 149,226 | 154,429 | 155,996 | 159,997 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 148,390 | 148,477 | 151,181 | 158,133 | 158,942 | 159,262 | 164,261 | 169,842 | 171,495 | 175,941 |
| Daily Baseload Therms | 105 | 105 | 105 | 113 | 113 | 113 | 113 | 121 | 121 | 121 |
| Peak Day Therms | 1,428 | 1,535 | 1,535 | 1,541 | 1,541 | 1,647 | 1,653 | 1,653 | 1,659 | 1,765 |
| Therms Per Residential Customer | 533 | 535 | 536 | 533 | 534 | 533 | 537 | 533 | 534 | 533 |
| Therms Per Commercial Customer | 10,093 | 10,093 | 10,194 | 10,090 | 10,074 | 10,074 | 10,233 | 10,071 | 10,119 | 10,213 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 26 | 26 | 27 | 27 | 27 | 28 | 28 | 29 | 29 | 30 |
| Commercial Customers | 13 | 13 | 13 | 14 | 14 | 14 | 15 | 15 | 15 | 16 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 39 | 39 | 40 | 41 | 42 | 42 | 43 | 44 | 44 | 46 |

| Wenatchee | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.33% | 0.72% | -0.14% | 0.07% | 0.17% | 0.39% | -0.26% | 0.02% | -0.20% |
| Residential Therms | 640,214 | 645,192 | 650,196 | 649,245 | 649,698 | 649,685 | 651,491 | 648,069 | 646,630 | 645,079 |
| Commercial Therms | 3,534,653 | 3,524,534 | 3,526,106 | 3,510,124 | 3,499,235 | 3,489,809 | 3,496,345 | 3,475,394 | 3,465,280 | 3,455,169 |
| Industrial Therms | 465,803 | 486,392 | 513,262 | 523,671 | 537,469 | 554,733 | 564,588 | 576,527 | 588,790 | 590,989 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,640,670 | 4,656,118 | 4,689,564 | 4,683,039 | 4,686,402 | 4,694,227 | 4,712,424 | 4,699,990 | 4,700,701 | 4,691,237 |
| Daily Baseload Therms | 9,694 | 9,732 | 9,767 | 9,812 | 9,789 | 9,830 | 9,819 | 9,847 | 9,821 | 9,797 |
| Peak Day Therms | 39,307 | 38,969 | 38,627 | 38,289 | 37,995 | 37,657 | 37,315 | 37,021 | 36,683 | 36,341 |
| Therms Per Residential Customer | 447 | 447 | 448 | 447 | 447 | 447 | 448 | 447 | 447 | 447 |
| Therms Per Commercial Customer | 5,065 | 5,065 | 5,080 | 5,065 | 5,063 | 5,063 | 5,080 | 5,064 | 5,064 | 5,064 |
| Therms Per Industrial Customer | 25,641 | 25,600 | 25,663 | 25,649 | 25,594 | 25,603 | 25,663 | 25,623 | 25,600 | 25,602 |
| Residential Customers | 1,433 | 1,444 | 1,450 | 1,453 | 1,455 | 1,454 | 1,453 | 1,451 | 1,447 | 1,444 |
| Commercial Customers | 698 | 696 | 694 | 693 | 691 | 689 | 688 | 686 | 684 | 682 |
| Industrial Customers | 18 | 19 | 20 | 20 | 21 | 22 | 22 | 23 | 23 | 23 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,149 | 2,159 | 2,164 | 2,167 | 2,167 | 2,165 | 2,163 | 2,159 | 2,155 | 2,149 |

| Finley | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.67% | 5.56% | 1.08% | 3.58% | 1.62% | 2.87% | 2.21% | 2.30% | 3.12% |
| Residential Therms | 15,887 | 16,469 | 17,104 | 17,581 | 18,132 | 18,785 | 19,619 | 20,083 | 20,639 | 21,194 |
| Commercial Therms | 95,834 | 97,119 | 102,794 | 103,608 | 107,397 | 108,782 | 111,614 | 114,049 | 116,583 | 120,314 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 111,721 | 113,588 | 119,898 | 121,189 | 125,529 | 127,567 | 131,233 | 134,132 | 137,222 | 141,508 |
| Daily Baseload Therms | 48 | 49 | 52 | 52 | 55 | 56 | 56 | 59 | 60 | 60 |
| Peak Day Therms | 1,442 | 1,449 | 1,456 | 1,552 | 1,552 | 1,559 | 1,656 | 1,663 | 1,670 | 1,766 |
| Therms Per Residential Customer | 567 | 565 | 567 | 564 | 564 | 565 | 570 | 567 | 567 | 566 |
| Therms Per Commercial Customer | 6,534 | 6,584 | 6,561 | 6,578 | 6,542 | 6,527 | 6,566 | 6,517 | 6,568 | 6,563 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| Commercial Customers | 15 | 15 | 16 | 16 | 16 | 17 | 17 | 18 | 18 | 18 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 43 | 44 | 46 | 47 | 49 | 50 | 51 | 53 | 54 | 56 |

| Grandview | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.63% | 2.47% | 1.20% | 1.30% | 1.48% | 2.43% | 0.93% | 1.34% | 1.38% |
| Residential Therms | 687,181 | 698,651 | 712,128 | 719,266 | 729,251 | 739,110 | 752,135 | 759,282 | 769,314 | 779,686 |
| Commercial Therms | 814,920 | 830,305 | 847,327 | 857,411 | 869,984 | 884,912 | 901,836 | 912,150 | 926,871 | 940,933 |
| Industrial Therms | 141,977 | 141,977 | 152,813 | 156,175 | 156,175 | 157,450 | 170,787 | 170,373 | 170,373 | 171,648 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,644,079 | 1,670,933 | 1,712,268 | 1,732,852 | 1,755,411 | 1,781,472 | 1,824,758 | 1,841,805 | 1,866,557 | 1,892,267 |
| Daily Baseload Therms | 2,540 | 2,566 | 2,670 | 2,698 | 2,726 | 2,759 | 2,858 | 2,886 | 2,919 | 2,947 |
| Peak Day Therms | 13,509 | 13,678 | 13,869 | 14,008 | 14,177 | 14,316 | 14,497 | 14,678 | 14,917 | 15,098 |
| Therms Per Residential Customer | 686 | 686 | 689 | 686 | 686 | 686 | 689 | 686 | 686 | 686 |
| Therms Per Commercial Customer | 4,208 | 4,208 | 4,224 | 4,208 | 4,206 | 4,206 | 4,224 | 4,207 | 4,207 | 4,207 |
| Therms Per Industrial Customer | 14,198 | 14,198 | 14,326 | 14,198 | 14,198 | 14,206 | 14,232 | 14,198 | 14,198 | 14,205 |
| Residential Customers | 1,002 | 1,018 | 1,033 | 1,048 | 1,063 | 1,078 | 1,092 | 1,107 | 1,122 | 1,137 |
| Commercial Customers | 194 | 197 | 201 | 204 | 207 | 210 | 214 | 217 | 220 | 224 |
| Industrial Customers | 10 | 10 | 11 | 11 | 11 | 11 | 12 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,206 | 1,225 | 1,245 | 1,263 | 1,281 | 1,299 | 1,318 | 1,336 | 1,354 | 1,373 |

| Zillah (Toppenish) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.10% | 2.39% | 1.49% | 1.38% | 1.85% | 2.28% | 0.91% | 1.78% | 1.77% |
| Residential Therms | 1,106,397 | 1,125,183 | 1,147,556 | 1,158,490 | 1,174,095 | 1,189,982 | 1,211,851 | 1,222,733 | 1,238,783 | 1,255,187 |
| Commercial Therms | 2,048,834 | 2,084,707 | 2,128,486 | 2,153,694 | 2,187,424 | 2,221,780 | 2,266,446 | 2,291,581 | 2,326,645 | 2,363,503 |
| Industrial Therms | 795,505 | 825,349 | 857,327 | 883,625 | 893,248 | 923,011 | 956,865 | 961,994 | 991,757 | 1,020,256 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 4,017,867 | 4,102,370 | 4,200,500 | 4,262,940 | 4,321,898 | 4,401,904 | 4,502,292 | 4,543,439 | 4,624,315 | 4,706,077 |
| Daily Baseload Therms | 4,239 | 4,342 | 4,446 | 4,550 | 4,596 | 4,701 | 4,805 | 4,851 | 4,956 | 5,064 |
| Peak Day Therms | 42,114 | 42,521 | 43,184 | 43,628 | 44,079 | 44,756 | 45,221 | 45,948 | 46,464 | 47,204 |
| Therms Per Residential Customer | 556 | 556 | 559 | 556 | 556 | 556 | 559 | 556 | 556 | 556 |
| Therms Per Commercial Customer | 3,849 | 3,849 | 3,865 | 3,849 | 3,847 | 3,847 | 3,864 | 3,848 | 3,847 | 3,848 |
| Therms Per Industrial Customer | 31,609 | 31,643 | 31,753 | 31,747 | 31,807 | 31,828 | 31,984 | 31,978 | 31,992 | 32,050 |
| Residential Customers | 1,991 | 2,022 | 2,052 | 2,082 | 2,111 | 2,140 | 2,169 | 2,199 | 2,228 | 2,258 |
| Commercial Customers | 532 | 542 | 551 | 560 | 569 | 578 | 587 | 596 | 605 | 614 |
| Industrial Customers | 25 | 26 | 27 | 28 | 28 | 29 | 30 | 30 | 31 | 32 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,549 | 2,591 | 2,631 | 2,670 | 2,709 | 2,748 | 2,787 | 2,826 | 2,865 | 2,905 |

| Kalama #2 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.71% | 1.88% | 1.10% | 1.30% | 1.43% | 1.75% | 13.08% | 1.22% | 1.16% |
| Residential Therms | 252,109 | 260,919 | 269,896 | 276,792 | 284,177 | 291,563 | 299,853 | 305,760 | 313,061 | 319,968 |
| Commercial Therms | 206,378 | 210,559 | 215,327 | 217,837 | 220,874 | 225,049 | 230,201 | 233,451 | 237,631 | 241,811 |
| Industrial Therms | 301,406 | 301,406 | 302,176 | 301,406 | 301,332 | 301,332 | 302,176 | 401,875 | 401,875 | 401,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 759,893 | 772,884 | 787,399 | 796,035 | 806,384 | 817,943 | 832,230 | 941,086 | 952,568 | 963,654 |
| Daily Baseload Therms | 1,704 | 1,723 | 1,741 | 1,760 | 1,771 | 1,790 | 1,807 | 2,155 | 2,174 | 2,190 |
| Peak Day Therms | 4,583 | 4,637 | 4,671 | 4,725 | 4,787 | 4,821 | 4,875 | 4,937 | 4,972 | 5,034 |
| Therms Per Residential Customer | 1,327 | 1,327 | 1,332 | 1,328 | 1,327 | 1,327 | 1,332 | 1,327 | 1,327 | 1,327 |
| Therms Per Commercial Customer | 4,183 | 4,183 | 4,202 | 4,189 | 4,194 | 4,193 | 4,211 | 4,194 | 4,193 | 4,193 |
| Therms Per Industrial Customer | 100,469 | 100,469 | 100,725 | 100,469 | 100,444 | 100,444 | 100,725 | 100,469 | 100,469 | 100,469 |
| Residential Customers | 190 | 197 | 203 | 209 | 214 | 220 | 225 | 230 | 236 | 241 |
| Commercial Customers | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 242 | 250 | 257 | 264 | 270 | 276 | 283 | 290 | 297 | 303 |

| Lawrence | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.39% | 2.92% | 0.63% | 2.09% | 1.63% | 1.70% | 1.87% | 1.23% | 2.23% |
| Residential Therms | 45,921 | 46,660 | 47,587 | 48,138 | 48,880 | 49,619 | 50,554 | 51,093 | 51,831 | 52,570 |
| Commercial Therms | 21,937 | 22,151 | 23,254 | 23,156 | 23,918 | 24,376 | 24,711 | 25,593 | 25,807 | 26,812 |
| Industrial Therms | 683 | 683 | 684 | 683 | 683 | 683 | 684 | 683 | 683 | 683 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 68,541 | 69,494 | 71,525 | 71,976 | 73,480 | 74,677 | 75,950 | 77,369 | 78,321 | 80,065 |
| Daily Baseload Therms | 46 | 47 | 48 | 49 | 50 | 50 | 52 | 52 | 53 | 54 |
| Peak Day Therms | 759 | 759 | 767 | 775 | 797 | 805 | 827 | 835 | 843 | 865 |
| Therms Per Residential Customer | 740 | 740 | 743 | 740 | 740 | 740 | 743 | 740 | 740 | 740 |
| Therms Per Commercial Customer | 1,219 | 1,225 | 1,224 | 1,219 | 1,211 | 1,219 | 1,225 | 1,219 | 1,224 | 1,219 |
| Therms Per Industrial Customer | 630 | 630 | 632 | 630 | 630 | 630 | 632 | 630 | 630 | 630 |
| Residential Customers | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 |
| Commercial Customers | 18 | 18 | 19 | 19 | 20 | 20 | 20 | 21 | 21 | 22 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 81 | 82 | 84 | 85 | 87 | 88 | 89 | 91 | 92 | 94 |

| Moxee (Beauchene) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.86% | 2.05% | 1.81% | 1.68% | 1.48% | 2.85% | 1.20% | 1.90% | 1.57% |
| Residential Therms | 1,039,748 | 1,046,215 | 1,055,844 | 1,056,339 | 1,060,645 | 1,065,023 | 1,074,629 | 1,074,721 | 1,079,393 | 1,084,085 |
| Commercial Therms | 2,807,416 | 2,884,369 | 2,967,661 | 3,022,211 | 3,087,232 | 3,154,172 | 3,237,754 | 3,291,055 | 3,360,142 | 3,429,386 |
| Industrial Therms | 777,850 | 826,539 | 830,953 | 863,718 | 877,380 | 880,563 | 932,951 | 942,762 | 969,800 | 980,989 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,625,014 | 4,757,123 | 4,854,458 | 4,942,268 | 5,025,257 | 5,099,758 | 5,245,334 | 5,308,538 | 5,409,334 | 5,494,460 |
| Daily Baseload Therms | 4,882 | 5,190 | 5,248 | 5,429 | 5,482 | 5,541 | 5,721 | 5,775 | 5,833 | 6,019 |
| Peak Day Therms | 13,372 | 13,695 | 13,836 | 13,906 | 14,055 | 14,385 | 14,533 | 14,688 | 14,772 | 15,110 |
| Therms Per Residential Customer | 613 | 613 | 616 | 613 | 613 | 613 | 615 | 613 | 613 | 613 |
| Therms Per Commercial Customer | 6,323 | 6,323 | 6,351 | 6,320 | 6,316 | 6,318 | 6,346 | 6,317 | 6,316 | 6,315 |
| Therms Per Industrial Customer | 49,916 | 49,842 | 49,857 | 50,559 | 49,663 | 49,609 | 49,319 | 48,764 | 49,522 | 49,049 |
| Residential Customers | 1,697 | 1,707 | 1,715 | 1,723 | 1,731 | 1,738 | 1,746 | 1,754 | 1,762 | 1,770 |
| Commercial Customers | 444 | 456 | 467 | 478 | 489 | 499 | 510 | 521 | 532 | 543 |
| Industrial Customers | 16 | 17 | 17 | 17 | 18 | 18 | 19 | 19 | 20 | 20 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,157 | 2,179 | 2,199 | 2,218 | 2,237 | 2,255 | 2,275 | 2,294 | 2,313 | 2,333 |

| Othello | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.00% | 2.75% | 1.92% | 0.62% | 2.09% | 0.94% | 1.64% | 0.49% | 0.48% |
| Residential Therms | 669,671 | 674,452 | 680,856 | 680,716 | 683,160 | 685,199 | 690,308 | 689,073 | 690,413 | 691,983 |
| Commercial Therms | 1,150,475 | 1,169,695 | 1,189,178 | 1,200,377 | 1,213,977 | 1,226,652 | 1,243,481 | 1,251,378 | 1,263,119 | 1,274,352 |
| Industrial Therms | 425,299 | 425,299 | 466,196 | 503,046 | 502,827 | 541,687 | 544,196 | 580,793 | 580,793 | 580,793 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,403,247 | 2,427,248 | 2,494,032 | 2,541,942 | 2,557,766 | 2,611,341 | 2,635,788 | 2,679,047 | 2,692,127 | 2,704,931 |
| Daily Baseload Therms | 3,054 | 3,080 | 3,181 | 3,282 | 3,302 | 3,398 | 3,417 | 3,513 | 3,527 | 3,541 |
| Peak Day Therms | 20,246 | 20,571 | 20,590 | 20,883 | 20,933 | 21,233 | 21,526 | 21,544 | 21,594 | 21,888 |
| Therms Per Residential Customer | 606 | 606 | 608 | 606 | 605 | 605 | 608 | 606 | 606 | 606 |
| Therms Per Commercial Customer | 3,747 | 3,748 | 3,759 | 3,747 | 3,746 | 3,746 | 3,759 | 3,747 | 3,747 | 3,747 |
| Therms Per Industrial Customer | 28,353 | 28,353 | 29,137 | 29,591 | 29,578 | 30,094 | 30,233 | 30,568 | 30,568 | 30,568 |
| Residential Customers | 1,106 | 1,114 | 1,119 | 1,124 | 1,128 | 1,132 | 1,135 | 1,138 | 1,140 | 1,143 |
| Commercial Customers | 307 | 312 | 316 | 320 | 324 | 328 | 331 | 334 | 337 | 340 |
| Industrial Customers | 15 | 15 | 16 | 17 | 17 | 18 | 18 | 19 | 19 | 19 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,429 | 1,442 | 1,453 | 1,462 | 1,470 | 1,478 | 1,485 | 1,492 | 1,497 | 1,503 |

| North Pasco | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.07% | 3.32% | 2.34% | 2.71% | 2.60% | 4.01% | 2.06% | 2.53% | 2.43% |
| Residential Therms | 2,768,636 | 2,857,717 | 2,959,848 | 3,037,120 | 3,128,513 | 3,221,099 | 3,329,504 | 3,410,680 | 3,508,050 | 3,607,133 |
| Commercial Therms | 2,006,790 | 2,067,401 | 2,132,353 | 2,176,794 | 2,229,833 | 2,279,319 | 2,342,295 | 2,381,316 | 2,434,295 | 2,483,452 |
| Industrial Therms | 106,669 | 106,669 | 106,825 | 106,669 | 106,679 | 106,679 | 160,238 | 160,004 | 160,004 | 160,004 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,882,095 | 5,031,787 | 5,199,027 | 5,320,584 | 5,465,026 | 5,607,097 | 5,832,037 | 5,952,001 | 6,102,349 | 6,250,590 |
| Daily Baseload Therms | 3,210 | 3,300 | 3,390 | 3,482 | 3,573 | 3,659 | 3,856 | 3,943 | 4,039 | 4,129 |
| Peak Day Therms | 68,092 | 69,786 | 71,500 | 73,252 | 75,023 | 76,833 | 78,662 | 80,510 | 82,526 | 84,432 |
| Therms Per Residential Customer | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 | 1,340 | 1,334 | 1,334 | 1,334 |
| Therms Per Commercial Customer | 9,284 | 9,285 | 9,325 | 9,283 | 9,285 | 9,281 | 9,323 | 9,281 | 9,282 | 9,281 |
| Therms Per Industrial Customer | 53,335 | 53,335 | 53,413 | 53,335 | 53,340 | 53,340 | 53,413 | 53,335 | 53,335 | 53,335 |
| Residential Customers | 2,075 | 2,142 | 2,209 | 2,277 | 2,345 | 2,415 | 2,485 | 2,557 | 2,630 | 2,705 |
| Commercial Customers | 216 | 223 | 229 | 235 | 240 | 246 | 251 | 257 | 262 | 268 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,294 | 2,367 | 2,440 | 2,513 | 2,587 | 2,662 | 2,739 | 2,817 | 2,895 | 2,975 |

| Patterson | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.27% | 17.99% | 5.57% | 0.00% | 0.35% | -0.26% | 0.00% | 0.00% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 195,175 | 195,175 | 195,692 | 230,898 | 243,765 | 243,765 | 244,615 | 243,969 | 243,969 | 243,969 |
| Daily Baseload Therms | 381 | 381 | 476 | 476 | 476 | 476 | 476 | 476 | 476 | 476 |
| Peak Day Therms | 900 | 900 | 900 | 900 | 1,125 | 1,125 | 1,125 | 1,125 | 1,125 | 1,125 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,794 | 47,798 | 39,802 | 46,180 | 48,753 | 48,753 | 48,923 | 48,794 | 48,794 | 48,794 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| Prosser | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 4.46% | 4.51% | 1.90% | 2.24% | 2.07% | 2.55% | 3.79% | 2.61% | 1.91% |
| Residential Therms | 278,890 | 290,580 | 303,229 | 312,769 | 323,524 | 334,303 | 346,474 | 355,358 | 365,543 | 375,973 |
| Commercial Therms | 485,030 | 499,422 | 514,895 | 526,179 | 539,466 | 551,416 | 566,876 | 576,886 | 589,812 | 602,687 |
| Industrial Therms | 199,969 | 216,874 | 234,145 | 233,298 | 233,254 | 233,254 | 234,145 | 258,706 | 266,626 | 266,626 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 963,890 | 1,006,876 | 1,052,269 | 1,072,246 | 1,096,244 | 1,118,974 | 1,147,494 | 1,190,950 | 1,221,981 | 1,245,286 |
| Daily Baseload Therms | 772 | 821 | 839 | 857 | 874 | 892 | 910 | 958 | 975 | 990 |
| Peak Day Therms | 9,692 | 9,904 | 10,116 | 10,363 | 10,575 | 10,786 | 11,033 | 11,245 | 11,499 | 11,711 |
| Therms Per Residential Customer | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,349 | 3,352 | 3,365 | 3,351 | 3,351 | 3,347 | 3,363 | 3,349 | 3,350 | 3,350 |
| Therms Per Industrial Customer | 33,328 | 33,365 | 33,449 | 33,328 | 33,322 | 33,322 | 33,449 | 33,026 | 33,328 | 33,328 |
| Residential Customers | 495 | 516 | 536 | 555 | 575 | 594 | 612 | 631 | 649 | 668 |
| Commercial Customers | 145 | 149 | 153 | 157 | 161 | 165 | 169 | 172 | 176 | 180 |
| Industrial Customers | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 646 | 671 | 696 | 719 | 743 | 765 | 788 | 811 | 833 | 856 |

| Quincy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.69% | 2.08% | 1.12% | 1.59% | 1.89% | 3.78% | 1.05% | 1.54% | 1.32% |
| Residential Therms | 33,987 | 33,855 | 33,473 | 33,166 | 32,717 | 32,452 | 32,288 | 31,856 | 31,557 | 30,968 |
| Commercial Therms | 574,771 | 592,570 | 610,659 | 622,135 | 637,418 | 649,929 | 667,979 | 679,969 | 695,760 | 709,794 |
| Industrial Therms | 264,381 | 270,173 | 271,103 | 270,173 | 270,015 | 275,569 | 293,896 | 292,804 | 292,804 | 292,804 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 873,139 | 896,598 | 915,234 | 925,474 | 940,150 | 957,950 | 994,162 | 1,004,629 | 1,020,121 | 1,033,565 |
| Daily Baseload Therms | 1,309 | 1,376 | 1,404 | 1,432 | 1,459 | 1,487 | 1,515 | 1,529 | 1,557 | 1,585 |
| Peak Day Therms | 5,223 | 5,269 | 5,319 | 5,365 | 5,415 | 5,460 | 5,511 | 5,606 | 5,656 | 5,702 |
| Therms Per Residential Customer | 595 | 595 | 597 | 594 | 594 | 595 | 597 | 595 | 594 | 595 |
| Therms Per Commercial Customer | 8,105 | 8,108 | 8,142 | 8,106 | 8,103 | 8,099 | 8,130 | 8,103 | 8,106 | 8,104 |
| Therms Per Industrial Customer | 38,224 | 38,142 | 38,273 | 38,142 | 38,120 | 38,451 | 37,922 | 37,781 | 37,781 | 37,781 |
| Residential Customers | 57 | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 52 |
| Commercial Customers | 71 | 73 | 75 | 77 | 79 | 80 | 82 | 84 | 86 | 88 |
| Industrial Customers | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 135 | 137 | 138 | 140 | 141 | 142 | 144 | 145 | 147 | 147 |

| Sunnyside | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.78% | 2.59% | 0.97% | 1.99% | 1.24% | 2.33% | 0.95% | 1.71% | 1.47% |
| Residential Therms | 1,106,567 | 1,125,544 | 1,147,676 | 1,158,814 | 1,174,598 | 1,190,466 | 1,212,074 | 1,222,824 | 1,239,120 | 1,255,562 |
| Commercial Therms | 1,732,229 | 1,763,421 | 1,799,824 | 1,820,812 | 1,850,790 | 1,879,244 | 1,916,151 | 1,938,975 | 1,968,405 | 1,998,784 |
| Industrial Therms | 479,344 | 488,310 | 517,248 | 518,701 | 542,489 | 542,489 | 568,145 | 569,695 | 587,861 | 596,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,318,140 | 3,377,275 | 3,464,747 | 3,498,326 | 3,567,878 | 3,612,199 | 3,696,371 | 3,731,493 | 3,795,386 | 3,851,170 |
| Daily Baseload Therms | 3,027 | 3,061 | 3,151 | 3,183 | 3,273 | 3,306 | 3,396 | 3,431 | 3,522 | 3,557 |
| Peak Day Therms | 34,207 | 34,569 | 34,892 | 35,254 | 35,842 | 36,244 | 36,625 | 37,254 | 37,675 | 38,096 |
| Therms Per Residential Customer | 568 | 569 | 572 | 569 | 569 | 569 | 571 | 569 | 569 | 569 |
| Therms Per Commercial Customer | 3,170 | 3,170 | 3,183 | 3,169 | 3,170 | 3,169 | 3,182 | 3,169 | 3,169 | 3,168 |
| Therms Per Industrial Customer | 27,005 | 27,128 | 27,224 | 27,181 | 27,124 | 27,124 | 27,162 | 27,128 | 27,028 | 27,128 |
| Residential Customers | 1,947 | 1,978 | 2,007 | 2,036 | 2,065 | 2,093 | 2,122 | 2,150 | 2,179 | 2,209 |
| Commercial Customers | 547 | 556 | 566 | 575 | 584 | 593 | 602 | 612 | 621 | 631 |
| Industrial Customers | 18 | 18 | 19 | 19 | 20 | 20 | 21 | 21 | 22 | 22 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,511 | 2,552 | 2,592 | 2,630 | 2,669 | 2,706 | 2,745 | 2,783 | 2,822 | 2,861 |

| Moses Lake | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.34% | 0.35% | 8.76% | 0.31% | 0.00% | 0.39% | 0.21% | 2.02% | 0.56% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 39,127 | 45,360 | 45,556 | 45,360 | 45,340 | 45,340 | 45,556 | 46,694 | 51,543 | 52,920 |
| Industrial Therms | 171,596 | 172,406 | 172,968 | 192,301 | 193,065 | 193,065 | 193,788 | 193,165 | 193,165 | 193,156 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 210,723 | 217,766 | 218,524 | 237,660 | 238,405 | 238,405 | 239,344 | 239,858 | 244,708 | 246,076 |
| Daily Baseload Therms | 218 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 259 | 259 |
| Peak Day Therms | 29,076 | 29,342 | 29,607 | 29,878 | 30,205 | 30,715 | 31,042 | 31,430 | 31,818 | 32,201 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,697 | 7,560 | 7,593 | 7,560 | 7,557 | 7,557 | 7,593 | 7,676 | 7,543 | 7,560 |
| Therms Per Industrial Customer | 21,675 | 21,551 | 21,621 | 21,770 | 21,652 | 21,652 | 21,733 | 21,663 | 21,663 | 21,662 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| Industrial Customers | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 13 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 16 | 16 |

| Woodland | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.90% | 2.15% | 3.01% | 1.45% | 1.52% | 1.92% | 2.68% | 1.41% | 1.37% |
| Residential Therms | 411,481 | 426,235 | 441,600 | 452,281 | 464,190 | 476,152 | 490,212 | 499,827 | 511,379 | 522,516 |
| Commercial Therms | 708,601 | 723,284 | 740,557 | 751,029 | 763,567 | 777,277 | 794,402 | 804,314 | 818,045 | 831,773 |
| Industrial Therms | 431,805 | 431,805 | 433,144 | 460,592 | 460,313 | 460,313 | 462,020 | 489,379 | 489,379 | 489,379 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,551,888 | 1,581,324 | 1,615,301 | 1,663,902 | 1,688,069 | 1,713,742 | 1,746,634 | 1,793,521 | 1,818,802 | 1,843,668 |
| Daily Baseload Therms | 2,111 | 2,142 | 2,168 | 2,258 | 2,283 | 2,308 | 2,332 | 2,424 | 2,449 | 2,474 |
| Peak Day Therms | 13,311 | 13,463 | 13,648 | 13,962 | 14,147 | 14,333 | 14,525 | 14,711 | 15,064 | 15,256 |
| Therms Per Residential Customer | 609 | 609 | 611 | 609 | 608 | 609 | 611 | 609 | 609 | 609 |
| Therms Per Commercial Customer | 3,434 | 3,433 | 3,448 | 3,435 | 3,432 | 3,432 | 3,449 | 3,434 | 3,434 | 3,434 |
| Therms Per Industrial Customer | 28,787 | 28,787 | 28,876 | 28,787 | 28,770 | 28,770 | 28,876 | 28,787 | 28,787 | 28,787 |
| Residential Customers | 676 | 700 | 722 | 743 | 763 | 783 | 802 | 821 | 840 | 859 |
| Commercial Customers | 206 | 211 | 215 | 219 | 223 | 227 | 230 | 234 | 238 | 242 |
| Industrial Customers | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 17 | 17 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 897 | 926 | 952 | 978 | 1,002 | 1,025 | 1,048 | 1,072 | 1,095 | 1,118 |

| A/M Rendering | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.09% | 2.42% | 0.73% | 2.02% | 1.92% | 1.39% | 2.59% | 0.34% | 2.49% |
| Residential Therms | 458,747 | 463,777 | 475,065 | 478,575 | 488,343 | 497,812 | 504,757 | 517,940 | 519,709 | 532,738 |
| Commercial Therms | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 462,710 | 467,740 | 479,041 | 482,539 | 492,307 | 501,775 | 508,732 | 521,904 | 523,673 | 536,702 |
| Daily Baseload Therms | 860 | 888 | 888 | 915 | 915 | 943 | 943 | 970 | 970 | 997 |
| Peak Day Therms | 3,700 | 3,700 | 3,818 | 3,818 | 3,818 | 3,936 | 3,936 | 4,055 | 4,055 | 4,173 |
| Therms Per Residential Customer | 14,798 | 14,801 | 14,846 | 14,801 | 14,798 | 14,786 | 14,846 | 14,798 | 14,814 | 14,798 |
| Therms Per Commercial Customer | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 3,964 | 3,964 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 31 | 31 | 32 | 32 | 33 | 34 | 34 | 35 | 35 | 36 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 32 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 36 | 37 |

| LDS Church | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% | 0.00% | 2.42% |
| Residential Therms | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,589 | 2,602 | 2,589 | 2,589 | 2,822 |
| Commercial Therms | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 9,624 | 9,624 | 9,670 | 9,624 | 9,625 | 9,625 | 9,670 | 9,624 | 9,624 | 9,857 |
| Daily Baseload Therms | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Peak Day Therms | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Therms Per Residential Customer | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,355 |
| Therms Per Commercial Customer | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Kalama #1 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 20.79% | 10.38% | 0.00% | 0.00% | 0.99% | -0.98% | 0.00% | 0.00% |
| Residential Therms | 1,010 | 1,010 | 1,220 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 | 1,347 | 1,347 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,010 | 1,010 | 1,220 | 1,347 | 1,347 | 1,347 | 1,360 | 1,347 | 1,347 | 1,347 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 337 | 337 | 318 | 337 | 337 | 337 | 340 | 337 | 337 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |

| Dehawn Dairy | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% | 0.00% | 0.00% |
| Residential Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 | 1,060 | 1,050 | 1,050 | 1,050 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 525 | 525 | 530 | 525 | 525 | 525 | 530 | 525 | 525 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| Yakima Chief Ranch | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

| 7th Day School | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.93% | 0.55% | -0.55% | 0.00% | 1.14% | 4.66% | -0.05% | 0.00% | 0.00% |
| Residential Therms | 11,112 | 11,750 | 11,816 | 11,750 | 11,750 | 11,942 | 12,710 | 12,729 | 12,729 | 12,729 |
| Commercial Therms | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Industrial Therms | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 16,229 | 16,867 | 16,960 | 16,867 | 16,867 | 17,059 | 17,854 | 17,846 | 17,846 | 17,846 |
| Daily Baseload Therms | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Peak Day Therms | 116 | 116 | 123 | 123 | 123 | 123 | 123 | 123 | 123 | 123 |
| Therms Per Residential Customer | 988 | 979 | 985 | 979 | 979 | 988 | 1,017 | 979 | 979 | 979 |
| Therms Per Commercial Customer | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 |
| Therms Per Industrial Customer | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 | 1,495 | 1,495 |
| Residential Customers | 11 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 13 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 15 | 15 |

| Yakima Training Center | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.75% | 2.12% | 1.19% | 1.53% | 1.49% | 2.18% | 0.93% | 1.49% | 1.69% |
| Residential Therms | 4,727 | 4,848 | 4,895 | 4,931 | 5,050 | 5,084 | 5,218 | 5,230 | 5,289 | 5,405 |
| Commercial Therms | 373,387 | 379,869 | 387,973 | 392,630 | 398,578 | 404,545 | 413,346 | 417,208 | 423,449 | 430,598 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 378,114 | 384,717 | 392,868 | 397,561 | 403,628 | 409,630 | 418,564 | 422,438 | 428,738 | 436,003 |
| Daily Baseload Therms | 67 | 68 | 69 | 70 | 72 | 73 | 73 | 75 | 76 | 78 |
| Peak Day Therms | 4,067 | 4,107 | 4,188 | 4,231 | 4,271 | 4,352 | 4,393 | 4,435 | 4,517 | 4,557 |
| Therms Per Residential Customer | 180 | 181 | 180 | 180 | 179 | 180 | 183 | 179 | 180 | 180 |
| Therms Per Commercial Customer | 3,725 | 3,721 | 3,736 | 3,725 | 3,719 | 3,717 | 3,738 | 3,720 | 3,717 | 3,717 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 26 | 27 | 27 | 27 | 28 | 28 | 29 | 29 | 29 | 30 |
| Commercial Customers | 100 | 102 | 104 | 105 | 107 | 109 | 111 | 112 | 114 | 116 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 127 | 129 | 131 | 133 | 135 | 137 | 139 | 141 | 143 | 146 |

| Burbank Heights Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.26% | 3.27% | 2.32% | 2.62% | 2.60% | 3.03% | 2.31% | 2.46% | 2.46% |
| Residential Therms | 3,167,932 | 3,269,219 | 3,385,184 | 3,473,137 | 3,575,822 | 3,681,123 | 3,805,107 | 3,897,743 | 4,008,289 | 4,120,963 |
| Commercial Therms | 2,334,613 | 2,401,992 | 2,476,843 | 2,529,206 | 2,588,179 | 2,647,921 | 2,720,303 | 2,767,275 | 2,825,248 | 2,884,967 |
| Industrial Therms | 156,211 | 171,833 | 172,083 | 171,833 | 171,781 | 171,781 | 172,083 | 187,454 | 187,454 | 187,454 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,658,756 | 5,843,044 | 6,034,110 | 6,174,175 | 6,335,782 | 6,500,825 | 6,697,493 | 6,852,471 | 7,020,991 | 7,193,383 |
| Daily Baseload Therms | 5,529 | 5,722 | 5,876 | 6,031 | 6,185 | 6,338 | 6,494 | 6,683 | 6,840 | 7,002 |
| Peak Day Therms | 67,298 | 68,944 | 70,614 | 72,307 | 74,145 | 75,893 | 77,701 | 79,533 | 81,392 | 83,306 |
| Therms Per Residential Customer | 376 | 376 | 377 | 375 | 375 | 375 | 377 | 375 | 375 | 375 |
| Therms Per Commercial Customer | 2,640 | 2,640 | 2,652 | 2,641 | 2,640 | 2,640 | 2,652 | 2,641 | 2,641 | 2,641 |
| Therms Per Industrial Customer | 15,621 | 15,621 | 15,644 | 15,621 | 15,616 | 15,616 | 15,644 | 15,621 | 15,621 | 15,621 |
| Residential Customers | 8,436 | 8,706 | 8,977 | 9,250 | 9,526 | 9,807 | 10,091 | 10,382 | 10,676 | 10,977 |
| Commercial Customers | 884 | 910 | 934 | 958 | 980 | 1,003 | 1,026 | 1,048 | 1,070 | 1,093 |
| Industrial Customers | 10 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 9,331 | 9,627 | 9,922 | 10,218 | 10,517 | 10,821 | 11,128 | 11,441 | 11,758 | 12,081 |

| East Stanwood Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.29% | 2.49% | 2.82% | 1.83% | 1.77% | 2.13% | 1.25% | 1.61% | 1.56% |
| Residential Therms | 5,583,538 | 5,701,190 | 5,837,286 | 5,922,766 | 6,030,265 | 6,138,209 | 6,272,618 | 6,354,447 | 6,462,834 | 6,571,361 |
| Commercial Therms | 3,933,417 | 4,045,785 | 4,164,646 | 4,244,128 | 4,335,386 | 4,422,478 | 4,525,879 | 4,589,123 | 4,668,139 | 4,743,924 |
| Industrial Therms | 430,719 | 430,719 | 431,855 | 563,904 | 563,823 | 563,823 | 565,324 | 563,904 | 563,904 | 563,904 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 10,049,695 | 10,279,714 | 10,535,808 | 10,832,819 | 11,031,494 | 11,226,530 | 11,465,841 | 11,609,494 | 11,796,897 | 11,981,210 |
| Daily Baseload Therms | 10,620 | 10,838 | 11,048 | 11,634 | 11,828 | 12,018 | 12,199 | 12,380 | 12,562 | 12,735 |
| Peak Day Therms | 85,310 | 86,371 | 87,423 | 88,446 | 89,482 | 90,543 | 91,609 | 93,462 | 94,519 | 95,589 |
| Therms Per Residential Customer | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 |
| Therms Per Commercial Customer | 3,868 | 3,869 | 3,884 | 3,869 | 3,868 | 3,868 | 3,884 | 3,869 | 3,868 | 3,868 |
| Therms Per Industrial Customer | 107,680 | 107,680 | 107,964 | 112,781 | 112,765 | 112,765 | 113,065 | 112,781 | 112,781 | 112,781 |
| Residential Customers | 8,395 | 8,572 | 8,740 | 8,905 | 9,067 | 9,230 | 9,392 | 9,554 | 9,717 | 9,880 |
| Commercial Customers | 1,017 | 1,046 | 1,072 | 1,097 | 1,121 | 1,143 | 1,165 | 1,186 | 1,207 | 1,226 |
| Industrial Customers | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 9,417 | 9,622 | 9,817 | 10,008 | 10,194 | 10,379 | 10,563 | 10,746 | 10,930 | 11,113 |

| Kennewick Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.59% | 3.63% | 2.69% | 2.97% | 2.74% | 3.06% | 2.31% | 2.52% | 2.40% |
| Residential Therms | 9,745,232 | 10,153,208 | 10,591,248 | 10,928,180 | 11,304,157 | 11,676,126 | 12,097,550 | 12,410,366 | 12,773,408 | 13,134,397 |
| Commercial Therms | 10,780,856 | 11,088,408 | 11,430,045 | 11,679,254 | 11,966,995 | 12,252,067 | 12,583,302 | 12,816,447 | 13,095,436 | 13,373,365 |
| Industrial Therms | 374,921 | 418,100 | 432,493 | 456,346 | 485,746 | 485,746 | 488,114 | 528,988 | 541,252 | 541,252 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 21,135,971 | 21,894,678 | 22,688,748 | 23,298,743 | 23,991,861 | 24,648,901 | 25,403,927 | 25,990,763 | 26,645,058 | 27,283,976 |
| Daily Baseload Therms | 20,095 | 20,822 | 21,439 | 22,135 | 22,733 | 23,322 | 23,909 | 24,578 | 25,156 | 25,728 |
| Peak Day Therms | 265,884 | 273,344 | 280,752 | 288,221 | 295,628 | 303,089 | 311,052 | 318,468 | 325,929 | 333,337 |
| Therms Per Residential Customer | 603 | 603 | 606 | 603 | 603 | 603 | 605 | 603 | 603 | 603 |
| Therms Per Commercial Customer | 4,305 | 4,305 | 4,322 | 4,305 | 4,304 | 4,304 | 4,321 | 4,304 | 4,304 | 4,304 |
| Therms Per Industrial Customer | 34,084 | 35,332 | 36,041 | 36,508 | 37,365 | 37,365 | 37,547 | 38,240 | 38,661 | 38,661 |
| Residential Customers | 16,163 | 16,839 | 17,490 | 18,125 | 18,751 | 19,368 | 19,980 | 20,587 | 21,190 | 21,789 |
| Commercial Customers | 2,504 | 2,576 | 2,645 | 2,713 | 2,780 | 2,846 | 2,912 | 2,978 | 3,043 | 3,107 |
| Industrial Customers | 11 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 18,679 | 19,427 | 20,147 | 20,852 | 21,545 | 22,229 | 22,906 | 23,579 | 24,247 | 24,911 |

| Longview South Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.25% | 2.86% | 1.49% | 1.80% | 1.80% | 2.21% | 1.69% | 1.68% | 1.70% |
| Residential Therms | 813,798 | 843,069 | 873,258 | 894,579 | 918,371 | 941,844 | 969,389 | 988,272 | 1,011,057 | 1,033,777 |
| Commercial Therms | 3,184,996 | 3,252,057 | 3,328,124 | 3,375,107 | 3,433,611 | 3,493,782 | 3,569,623 | 3,615,905 | 3,675,958 | 3,738,392 |
| Industrial Therms | 190,701 | 190,701 | 209,597 | 208,351 | 208,256 | 208,256 | 209,597 | 226,001 | 226,001 | 226,001 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 4,281,196 | 4,377,527 | 4,502,679 | 4,569,738 | 4,651,938 | 4,735,583 | 4,840,310 | 4,921,878 | 5,004,717 | 5,089,870 |
| Daily Baseload Therms | 3,935 | 4,020 | 4,116 | 4,191 | 4,269 | 4,343 | 4,419 | 4,510 | 4,587 | 4,663 |
| Peak Day Therms | 43,729 | 44,286 | 44,883 | 45,659 | 46,260 | 46,898 | 47,539 | 48,186 | 49,046 | 49,769 |
| Therms Per Residential Customer | 398 | 398 | 400 | 398 | 398 | 398 | 400 | 398 | 398 | 398 |
| Therms Per Commercial Customer | 3,445 | 3,445 | 3,459 | 3,445 | 3,444 | 3,444 | 3,459 | 3,445 | 3,444 | 3,444 |
| Therms Per Industrial Customer | 11,919 | 11,919 | 12,329 | 12,256 | 12,250 | 12,250 | 12,329 | 12,556 | 12,556 | 12,556 |
| Residential Customers | 2,046 | 2,119 | 2,185 | 2,248 | 2,309 | 2,368 | 2,426 | 2,484 | 2,541 | 2,598 |
| Commercial Customers | 925 | 944 | 962 | 980 | 997 | 1,015 | 1,032 | 1,050 | 1,067 | 1,085 |
| Industrial Customers | 16 | 16 | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,987 | 3,080 | 3,165 | 3,246 | 3,324 | 3,400 | 3,476 | 3,552 | 3,627 | 3,703 |

| Sedro-Woolley Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.64% | 1.92% | 1.04% | 1.46% | 1.40% | 1.81% | 0.99% | 1.34% | 1.38% |
| Residential Therms | 17,437,925 | 17,651,307 | 17,935,787 | 18,072,603 | 18,284,167 | 18,500,513 | 18,801,416 | 18,944,401 | 19,170,129 | 19,399,493 |
| Commercial Therms | 9,793,837 | 9,990,578 | 10,214,110 | 10,346,322 | 10,512,612 | 10,677,580 | 10,882,912 | 10,996,591 | 11,152,569 | 11,306,742 |
| Industrial Therms | 1,322,209 | 1,379,697 | 1,427,816 | 1,465,928 | 1,523,220 | 1,566,330 | 1,615,307 | 1,667,134 | 1,710,249 | 1,767,737 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 28,553,972 | 29,021,582 | 29,577,713 | 29,884,853 | 30,319,999 | 30,744,423 | 31,299,635 | 31,608,126 | 32,032,947 | 32,473,971 |
| Daily Baseload Therms | 24,767 | 25,208 | 25,616 | 26,015 | 26,437 | 26,833 | 27,226 | 27,644 | 28,039 | 28,460 |
| Peak Day Therms | 280,115 | 283,583 | 287,006 | 290,435 | 294,046 | 297,593 | 301,151 | 304,893 | 308,562 | 312,363 |
| Therms Per Residential Customer | 679 | 680 | 682 | 679 | 679 | 679 | 682 | 679 | 679 | 679 |
| Therms Per Commercial Customer | 2,895 | 2,895 | 2,907 | 2,895 | 2,895 | 2,895 | 2,907 | 2,895 | 2,895 | 2,895 |
| Therms Per Industrial Customer | 14,372 | 14,372 | 14,422 | 14,372 | 14,370 | 14,370 | 14,422 | 14,372 | 14,372 | 14,372 |
| Residential Customers | 25,665 | 25,977 | 26,285 | 26,598 | 26,913 | 27,232 | 27,555 | 27,883 | 28,215 | 28,553 |
| Commercial Customers | 3,383 | 3,451 | 3,513 | 3,573 | 3,631 | 3,688 | 3,744 | 3,798 | 3,852 | 3,905 |
| Industrial Customers | 92 | 96 | 99 | 102 | 106 | 109 | 112 | 116 | 119 | 123 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 29,140 | 29,523 | 29,897 | 30,274 | 30,650 | 31,029 | 31,410 | 31,797 | 32,186 | 32,582 |

| Sumas SPE Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.89% | 2.23% | 1.38% | 1.77% | 1.77% | 2.18% | 1.39% | 1.77% | 1.77% |
| Residential Therms | 31,306,019 | 31,820,863 | 32,460,789 | 32,834,272 | 33,339,762 | 33,851,218 | 34,511,335 | 34,894,985 | 35,426,944 | 35,967,361 |
| Commercial Therms | 15,958,641 | 16,316,481 | 16,733,997 | 17,022,213 | 17,381,069 | 17,749,447 | 18,198,450 | 18,513,942 | 18,911,047 | 19,319,033 |
| Industrial Therms | 1,085,235 | 1,124,772 | 1,168,055 | 1,203,750 | 1,243,283 | 1,282,910 | 1,326,709 | 1,377,384 | 1,419,293 | 1,458,720 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 48,349,895 | 49,262,116 | 50,362,842 | 51,060,235 | 51,964,114 | 52,883,576 | 54,036,494 | 54,786,311 | 55,757,284 | 56,745,114 |
| Daily Baseload Therms | 44,292 | 45,141 | 45,978 | 46,818 | 47,667 | 48,532 | 49,412 | 50,310 | 51,228 | 52,165 |
| Peak Day Therms | 492,248 | 499,550 | 507,061 | 514,862 | 522,872 | 531,135 | 539,629 | 548,390 | 557,383 | 566,607 |
| Therms Per Residential Customer | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 |
| Therms Per Commercial Customer | 3,030 | 3,030 | 3,042 | 3,030 | 3,030 | 3,030 | 3,042 | 3,030 | 3,030 | 3,030 |
| Therms Per Industrial Customer | 19,761 | 19,762 | 19,826 | 19,761 | 19,761 | 19,762 | 19,826 | 19,747 | 19,758 | 19,757 |
| Residential Customers | 44,211 | 44,937 | 45,654 | 46,369 | 47,086 | 47,810 | 48,541 | 49,283 | 50,035 | 50,799 |
| Commercial Customers | 5,267 | 5,385 | 5,501 | 5,618 | 5,737 | 5,858 | 5,983 | 6,110 | 6,242 | 6,377 |
| Industrial Customers | 55 | 57 | 59 | 61 | 63 | 65 | 67 | 70 | 72 | 74 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 49,533 | 50,378 | 51,214 | 52,047 | 52,886 | 53,733 | 54,591 | 55,463 | 56,348 | 57,249 |

| Yakima Loop | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.95% | 2.14% | 1.26% | 1.60% | 1.56% | 1.98% | 1.15% | 1.53% | 1.51% |
| Residential Therms | 12,863,352 | 13,082,681 | 13,339,068 | 13,469,873 | 13,653,533 | 13,838,908 | 14,088,692 | 14,214,926 | 14,404,234 | 14,595,342 |
| Commercial Therms | 12,445,985 | 12,666,528 | 12,931,299 | 13,085,190 | 13,291,319 | 13,498,769 | 13,768,637 | 13,924,255 | 14,140,719 | 14,359,788 |
| Industrial Therms | 3,135,849 | 3,254,331 | 3,359,466 | 3,450,726 | 3,543,743 | 3,630,749 | 3,729,863 | 3,813,597 | 3,898,799 | 3,981,156 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 28,654,653 | 29,213,008 | 29,839,301 | 30,215,256 | 30,698,062 | 31,177,892 | 31,796,659 | 32,162,245 | 32,653,218 | 33,145,753 |
| Daily Baseload Therms | 21,445 | 21,819 | 22,249 | 22,628 | 23,062 | 23,444 | 23,826 | 24,212 | 24,601 | 24,993 |
| Peak Day Therms | 298,515 | 301,876 | 305,254 | 309,042 | 312,598 | 316,281 | 320,389 | 324,281 | 328,629 | 332,677 |
| Therms Per Residential Customer | 665 | 666 | 669 | 666 | 666 | 665 | 668 | 665 | 665 | 665 |
| Therms Per Commercial Customer | 3,570 | 3,570 | 3,584 | 3,569 | 3,569 | 3,568 | 3,584 | 3,568 | 3,568 | 3,568 |
| Therms Per Industrial Customer | 37,518 | 37,622 | 37,818 | 37,782 | 37,800 | 37,853 | 38,060 | 38,009 | 38,037 | 38,067 |
| Residential Customers | 19,344 | 19,650 | 19,944 | 20,231 | 20,515 | 20,798 | 21,081 | 21,367 | 21,654 | 21,944 |
| Commercial Customers | 3,486 | 3,548 | 3,608 | 3,666 | 3,725 | 3,783 | 3,842 | 3,902 | 3,963 | 4,025 |
| Industrial Customers | 84 | 87 | 89 | 91 | 94 | 96 | 98 | 100 | 103 | 105 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 22,916 | 23,287 | 23,642 | 23,990 | 24,335 | 24,679 | 25,024 | 25,371 | 25,722 | 26,076 |

| Zone 10 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.15% | 2.68% | 1.31% | 1.65% | 1.61% | 2.35% | 1.22% | 1.77% | 1.62% |
| Residential Therms | 3,191,198 | 3,252,758 | 3,323,465 | 3,362,139 | 3,414,268 | 3,466,853 | 3,536,303 | 3,573,976 | 3,626,539 | 3,680,188 |
| Commercial Therms | 5,084,634 | 5,181,476 | 5,294,173 | 5,361,717 | 5,451,286 | 5,540,974 | 5,654,950 | 5,723,214 | 5,815,352 | 5,909,529 |
| Industrial Therms | 1,618,292 | 1,674,005 | 1,763,036 | 1,793,294 | 1,826,662 | 1,857,700 | 1,931,445 | 1,962,263 | 2,018,113 | 2,056,848 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 9,961,254 | 10,175,370 | 10,447,804 | 10,584,281 | 10,759,347 | 10,932,658 | 11,189,829 | 11,326,583 | 11,527,135 | 11,713,695 |
| Daily Baseload Therms | 10,586 | 10,797 | 11,113 | 11,295 | 11,477 | 11,664 | 11,975 | 12,133 | 12,379 | 12,565 |
| Peak Day Therms | 99,679 | 100,829 | 102,224 | 103,416 | 104,837 | 106,266 | 107,541 | 109,289 | 110,718 | 112,273 |
| Therms Per Residential Customer | 586 | 586 | 589 | 586 | 586 | 586 | 588 | 585 | 585 | 585 |
| Therms Per Commercial Customer | 3,585 | 3,585 | 3,600 | 3,584 | 3,583 | 3,583 | 3,598 | 3,583 | 3,582 | 3,582 |
| Therms Per Industrial Customer | 27,009 | 27,183 | 27,263 | 27,205 | 27,230 | 27,286 | 27,267 | 27,285 | 27,364 | 27,455 |
| Residential Customers | 5,450 | 5,550 | 5,645 | 5,737 | 5,829 | 5,921 | 6,012 | 6,104 | 6,195 | 6,288 |
| Commercial Customers | 1,418 | 1,445 | 1,471 | 1,496 | 1,521 | 1,547 | 1,572 | 1,598 | 1,623 | 1,650 |
| Industrial Customers | 60 | 62 | 65 | 66 | 67 | 68 | 71 | 72 | 74 | 75 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 6,929 | 7,057 | 7,181 | 7,300 | 7,419 | 7,536 | 7,656 | 7,775 | 7,893 | 8,014 |

| Zone 11 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.88% | 1.96% | 1.16% | 1.43% | 1.40% | 1.95% | 1.00% | 1.41% | 1.33% |
| Residential Therms | 14,582,027 | 14,812,791 | 15,083,477 | 15,213,554 | 15,401,644 | 15,591,152 | 15,852,318 | 15,974,802 | 16,167,102 | 16,360,880 |
| Commercial Therms | 19,736,212 | 20,047,870 | 20,423,698 | 20,632,290 | 20,913,781 | 21,197,224 | 21,584,061 | 21,787,882 | 22,085,350 | 22,384,734 |
| Industrial Therms | 4,643,884 | 4,837,435 | 4,974,784 | 5,108,288 | 5,228,607 | 5,341,614 | 5,521,298 | 5,625,689 | 5,750,193 | 5,845,938 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 39,171,590 | 39,907,563 | 40,691,426 | 41,163,598 | 41,753,499 | 42,339,457 | 43,167,143 | 43,597,839 | 44,212,112 | 44,801,019 |
| Daily Baseload Therms | 37,396 | 38,185 | 38,737 | 39,371 | 39,865 | 40,374 | 40,955 | 41,437 | 41,888 | 42,472 |
| Peak Day Therms | 360,484 | 363,916 | 367,224 | 370,832 | 374,334 | 378,136 | 382,140 | 386,032 | 390,257 | 394,387 |
| Therms Per Residential Customer | 646 | 647 | 650 | 648 | 648 | 648 | 651 | 648 | 648 | 648 |
| Therms Per Commercial Customer | 4,112 | 4,112 | 4,128 | 4,111 | 4,109 | 4,108 | 4,124 | 4,107 | 4,106 | 4,105 |
| Therms Per Industrial Customer | 37,375 | 37,451 | 37,522 | 37,584 | 37,481 | 37,485 | 37,645 | 37,525 | 37,624 | 37,615 |
| Residential Customers | 22,558 | 22,885 | 23,192 | 23,490 | 23,783 | 24,074 | 24,363 | 24,654 | 24,946 | 25,240 |
| Commercial Customers | 4,800 | 4,876 | 4,948 | 5,019 | 5,090 | 5,161 | 5,233 | 5,305 | 5,379 | 5,453 |
| Industrial Customers | 124 | 129 | 133 | 136 | 140 | 143 | 147 | 150 | 153 | 155 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 27,484 | 27,891 | 28,275 | 28,647 | 29,015 | 29,379 | 29,745 | 30,111 | 30,479 | 30,851 |

| Zone 20 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.27% | 3.45% | 2.56% | 2.71% | 2.63% | 3.03% | 2.22% | 2.38% | 2.28% |
| Residential Therms | 16,367,358 | 16,971,065 | 17,634,240 | 18,136,734 | 18,709,785 | 19,282,332 | 19,942,087 | 20,427,946 | 21,000,799 | 21,575,670 |
| Commercial Therms | 16,407,695 | 16,869,975 | 17,376,769 | 17,734,599 | 18,151,721 | 18,560,080 | 19,046,552 | 19,377,159 | 19,786,224 | 20,189,370 |
| Industrial Therms | 1,234,696 | 1,294,307 | 1,350,565 | 1,430,195 | 1,460,098 | 1,498,959 | 1,558,418 | 1,650,403 | 1,662,668 | 1,662,659 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 34,402,513 | 35,528,112 | 36,754,339 | 37,694,292 | 38,714,368 | 39,734,135 | 40,939,822 | 41,848,272 | 42,842,454 | 43,820,464 |
| Daily Baseload Therms | 32,155 | 33,223 | 34,191 | 35,234 | 36,099 | 37,024 | 37,984 | 39,028 | 39,881 | 40,719 |
| Peak Day Therms | 452,038 | 463,436 | 474,518 | 486,092 | 497,486 | 509,322 | 521,639 | 533,148 | 544,929 | 556,929 |
| Therms Per Residential Customer | 589 | 589 | 591 | 589 | 589 | 589 | 591 | 589 | 589 | 589 |
| Therms Per Commercial Customer | 4,174 | 4,175 | 4,192 | 4,175 | 4,175 | 4,175 | 4,192 | 4,176 | 4,178 | 4,178 |
| Therms Per Industrial Customer | 26,890 | 27,059 | 27,563 | 27,861 | 28,124 | 28,327 | 28,904 | 29,082 | 29,212 | 29,212 |
| Residential Customers | 27,809 | 28,830 | 29,825 | 30,807 | 31,782 | 32,755 | 33,726 | 34,699 | 35,673 | 36,651 |
| Commercial Customers | 3,931 | 4,041 | 4,146 | 4,247 | 4,347 | 4,445 | 4,543 | 4,640 | 4,736 | 4,833 |
| Industrial Customers | 46 | 48 | 49 | 51 | 52 | 53 | 54 | 57 | 57 | 57 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 31,788 | 32,921 | 34,021 | 35,108 | 36,183 | 37,255 | 38,325 | 39,397 | 40,468 | 41,542 |

| Zone 24 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.05% | 2.67% | 1.32% | 1.96% | 1.61% | 2.29% | 1.16% | 1.85% | 1.44% |
| Residential Therms | 4,163,562 | 4,225,841 | 4,300,179 | 4,330,514 | 4,377,799 | 4,423,818 | 4,490,284 | 4,513,059 | 4,556,142 | 4,598,558 |
| Commercial Therms | 4,047,489 | 4,103,867 | 4,171,464 | 4,199,244 | 4,241,333 | 4,283,042 | 4,344,175 | 4,364,404 | 4,402,513 | 4,441,509 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,973,840 | 10,178,098 | 10,449,958 | 10,587,860 | 10,795,747 | 10,969,789 | 11,220,714 | 11,350,627 | 11,560,332 | 11,727,312 |
| Daily Baseload Therms | 8,491 | 8,842 | 9,042 | 9,378 | 9,570 | 9,900 | 10,091 | 10,417 | 10,608 | 10,934 |
| Peak Day Therms | 113,505 | 114,618 | 116,439 | 117,572 | 119,395 | 120,567 | 122,436 | 123,582 | 125,471 | 126,656 |
| Therms Per Residential Customer | 566 | 567 | 570 | 567 | 567 | 568 | 571 | 568 | 568 | 568 |
| Therms Per Commercial Customer | 2,737 | 2,737 | 2,749 | 2,736 | 2,736 | 2,735 | 2,747 | 2,735 | 2,735 | 2,735 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 7,351 | 7,456 | 7,548 | 7,634 | 7,716 | 7,794 | 7,871 | 7,945 | 8,018 | 8,091 |
| Commercial Customers | 1,479 | 1,500 | 1,518 | 1,535 | 1,550 | 1,566 | 1,581 | 1,596 | 1,610 | 1,624 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,857 | 8,984 | 9,096 | 9,201 | 9,299 | 9,395 | 9,488 | 9,579 | 9,667 | 9,756 |

| Zone 26 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.05% | 2.52% | 2.23% | 1.79% | 1.64% | 2.04% | 3.04% | 1.52% | 1.52% |
| Residential Therms | 1,516,450 | 1,570,718 | 1,626,829 | 1,666,860 | 1,711,077 | 1,754,928 | 1,806,126 | 1,841,431 | 1,884,168 | 1,925,975 |
| Commercial Therms | 4,436,072 | 4,524,743 | 4,626,636 | 4,724,033 | 4,813,612 | 4,894,277 | 4,996,536 | 5,056,793 | 5,137,504 | 5,220,594 |
| Industrial Therms | 923,913 | 923,913 | 944,917 | 970,350 | 969,901 | 969,901 | 973,793 | 1,117,256 | 1,117,256 | 1,117,256 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,968,135 | 7,111,074 | 7,290,082 | 7,452,943 | 7,586,291 | 7,710,806 | 7,868,156 | 8,107,181 | 8,230,628 | 8,355,525 |
| Daily Baseload Therms | 8,363 | 8,502 | 8,743 | 8,931 | 9,051 | 9,173 | 9,296 | 9,828 | 9,953 | 10,076 |
| Peak Day Therms | 63,977 | 64,766 | 65,588 | 66,757 | 67,863 | 68,726 | 69,645 | 70,566 | 71,842 | 72,850 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 507 | 507 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,591 | 3,588 | 3,597 | 3,608 | 3,613 | 3,610 | 3,624 | 3,606 | 3,603 | 3,601 |
| Therms Per Industrial Customer | 27,174 | 27,174 | 26,998 | 26,954 | 26,942 | 26,942 | 27,050 | 28,648 | 28,648 | 28,648 |
| Residential Customers | 2,988 | 3,095 | 3,192 | 3,284 | 3,372 | 3,459 | 3,544 | 3,628 | 3,712 | 3,795 |
| Commercial Customers | 1,235 | 1,261 | 1,286 | 1,309 | 1,332 | 1,356 | 1,379 | 1,402 | 1,426 | 1,450 |
| Industrial Customers | 34 | 34 | 35 | 36 | 36 | 36 | 36 | 39 | 39 | 39 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,258 | 4,391 | 4,514 | 4,630 | 4,742 | 4,851 | 4,959 | 5,070 | 5,178 | 5,285 |

| Zone 30-S | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.64% | 1.64% | 1.09% | 1.45% | 1.43% | 1.83% | 1.01% | 1.41% | 1.41% |
| Residential Therms | 24,532,547 | 24,969,913 | 25,492,480 | 25,795,689 | 26,199,321 | 26,603,871 | 27,123,215 | 27,419,639 | 27,831,286 | 28,246,775 |
| Commercial Therms | 14,985,779 | 15,234,707 | 15,532,011 | 15,704,817 | 15,934,246 | 16,165,728 | 16,465,221 | 16,638,570 | 16,880,559 | 17,125,155 |
| Industrial Therms | 905,063 | 905,063 | 784,538 | 779,083 | 778,951 | 778,951 | 784,538 | 779,083 | 779,083 | 779,083 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 41,845,847 | 42,532,140 | 43,231,486 | 43,702,047 | 44,334,976 | 44,971,008 | 45,795,432 | 46,259,750 | 46,913,386 | 47,573,471 |
| Daily Baseload Therms | 40,826 | 41,421 | 41,704 | 42,269 | 42,831 | 43,389 | 43,956 | 44,526 | 45,106 | 45,693 |
| Peak Day Therms | 391,264 | 395,606 | 399,495 | 404,150 | 408,941 | 413,890 | 418,801 | 424,029 | 429,364 | 434,871 |
| Therms Per Residential Customer | 672 | 672 | 674 | 672 | 671 | 671 | 674 | 671 | 671 | 671 |
| Therms Per Commercial Customer | 3,868 | 3,866 | 3,880 | 3,863 | 3,861 | 3,859 | 3,872 | 3,856 | 3,854 | 3,852 |
| Therms Per Industrial Customer | 28,283 | 28,283 | 25,308 | 25,132 | 25,127 | 25,127 | 25,308 | 25,132 | 25,132 | 25,132 |
| Residential Customers | 36,529 | 37,180 | 37,803 | 38,413 | 39,018 | 39,623 | 40,230 | 40,840 | 41,456 | 42,077 |
| Commercial Customers | 3,874 | 3,940 | 4,004 | 4,066 | 4,127 | 4,189 | 4,252 | 4,315 | 4,380 | 4,446 |
| Industrial Customers | 32 | 32 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 40,437 | 41,154 | 41,839 | 42,511 | 43,179 | 43,845 | 44,515 | 45,189 | 45,869 | 46,556 |

| Zone 30-W | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.89% | 2.20% | 1.47% | 1.72% | 1.69% | 2.09% | 1.29% | 1.64% | 1.66% |
| Residential Therms | 58,357,356 | 59,274,507 | 60,430,085 | 61,085,462 | 61,992,479 | 62,913,470 | 64,110,046 | 64,796,037 | 65,745,782 | 66,721,968 |
| Commercial Therms | 31,840,112 | 32,559,029 | 33,377,866 | 33,921,725 | 34,583,692 | 35,251,046 | 36,066,683 | 36,597,527 | 37,273,047 | 37,959,373 |
| Industrial Therms | 3,272,655 | 3,405,128 | 3,530,865 | 3,764,309 | 3,892,060 | 4,003,144 | 4,128,895 | 4,256,027 | 4,370,122 | 4,495,396 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 93,572,143 | 95,340,684 | 97,440,836 | 98,873,516 | 100,570,252 | 102,269,680 | 104,407,644 | 105,751,611 | 107,490,972 | 109,278,757 |
| Daily Baseload Therms | 86,383 | 88,076 | 89,688 | 91,704 | 93,311 | 94,951 | 96,551 | 98,242 | 99,884 | 101,608 |
| Peak Day Therms | 923,566 | 936,683 | 950,053 | 963,567 | 977,529 | 991,823 | 1,006,313 | 1,022,197 | 1,037,301 | 1,053,053 |
| Therms Per Residential Customer | 700 | 700 | 703 | 700 | 700 | 700 | 703 | 700 | 700 | 700 |
| Therms Per Commercial Customer | 3,082 | 3,083 | 3,095 | 3,084 | 3,084 | 3,084 | 3,097 | 3,084 | 3,084 | 3,084 |
| Therms Per Industrial Customer | 17,232 | 17,118 | 17,085 | 17,488 | 17,382 | 17,298 | 17,282 | 17,144 | 17,082 | 17,007 |
| Residential Customers | 83,333 | 84,640 | 85,932 | 87,225 | 88,524 | 89,836 | 91,163 | 92,509 | 93,872 | 95,258 |
| Commercial Customers | 10,330 | 10,561 | 10,783 | 11,000 | 11,215 | 11,432 | 11,647 | 11,866 | 12,085 | 12,307 |
| Industrial Customers | 190 | 199 | 207 | 215 | 224 | 231 | 239 | 248 | 256 | 264 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 93,854 | 95,402 | 96,923 | 98,441 | 99,964 | 101,500 | 103,050 | 104,623 | 106,213 | 107,830 |

| Zone GTN | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.68% | 2.91% | 1.98% | 2.33% | 2.29% | 2.76% | 1.75% | 2.14% | 2.11% |
| Residential Therms | 35,051,366 | 35,919,694 | 36,960,762 | 37,689,236 | 38,591,989 | 39,512,581 | 40,632,476 | 41,405,589 | 42,373,267 | 43,355,561 |
| Commercial Therms | 20,278,930 | 20,798,748 | 21,364,007 | 21,735,524 | 22,177,682 | 22,609,503 | 23,141,092 | 23,459,485 | 23,869,804 | 24,266,854 |
| Industrial Therms | 3,308,863 | 3,492,074 | 3,641,066 | 3,767,462 | 3,898,052 | 4,025,905 | 4,200,037 | 4,295,948 | 4,399,862 | 4,509,726 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 58,660,095 | 60,231,453 | 61,986,772 | 63,213,159 | 64,688,660 | 66,168,926 | 67,994,542 | 69,181,959 | 70,663,869 | 72,153,078 |
| Daily Baseload Therms | 51,039 | 52,523 | 53,878 | 55,202 | 56,596 | 57,908 | 59,204 | 60,504 | 61,817 | 63,172 |
| Peak Day Therms | 617,474 | 631,651 | 644,850 | 659,079 | 672,840 | 687,152 | 701,195 | 715,761 | 730,554 | 744,906 |
| Therms Per Residential Customer | 737 | 736 | 740 | 736 | 736 | 736 | 740 | 736 | 736 | 736 |
| Therms Per Commercial Customer | 2,902 | 2,903 | 2,915 | 2,902 | 2,902 | 2,902 | 2,915 | 2,902 | 2,903 | 2,902 |
| Therms Per Industrial Customer | 29,478 | 29,284 | 29,285 | 29,018 | 28,874 | 28,860 | 29,033 | 28,800 | 28,710 | 28,633 |
| Residential Customers | 47,591 | 48,775 | 49,971 | 51,184 | 52,416 | 53,669 | 54,943 | 56,239 | 57,555 | 58,891 |
| Commercial Customers | 6,988 | 7,165 | 7,330 | 7,489 | 7,643 | 7,792 | 7,939 | 8,083 | 8,223 | 8,361 |
| Industrial Customers | 112 | 119 | 124 | 130 | 135 | 140 | 145 | 149 | 153 | 158 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 54,691 | 56,061 | 57,426 | 58,804 | 60,195 | 61,601 | 63,028 | 64,472 | 65,932 | 67,410 |

| Zone ME-OR | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.45% | 2.68% | 1.70% | 1.54% | 2.02% | 2.44% | 1.07% | 1.97% | 1.96% |
| Residential Therms | 6,338,430 | 6,511,829 | 6,705,845 | 6,837,432 | 6,997,730 | 7,159,651 | 7,357,311 | 7,491,641 | 7,661,855 | 7,835,499 |
| Commercial Therms | 6,874,570 | 6,985,012 | 7,112,692 | 7,171,412 | 7,261,407 | 7,344,747 | 7,461,700 | 7,518,971 | 7,603,899 | 7,690,122 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 15,140,119 | 15,511,153 | 15,927,007 | 16,197,548 | 16,447,614 | 16,780,067 | 17,189,899 | 17,373,707 | 17,716,044 | 18,063,107 |
| Daily Baseload Therms | 15,157 | 15,564 | 15,952 | 16,337 | 16,549 | 16,927 | 17,309 | 17,527 | 17,911 | 18,297 |
| Peak Day Therms | 176,673 | 179,169 | 181,663 | 184,363 | 186,486 | 189,325 | 192,198 | 194,552 | 197,727 | 200,953 |
| Therms Per Residential Customer | 564 | 563 | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,632 | 3,633 | 3,648 | 3,632 | 3,632 | 3,631 | 3,646 | 3,632 | 3,632 | 3,632 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 11,248 | 11,556 | 11,849 | 12,137 | 12,423 | 12,712 | 13,005 | 13,302 | 13,606 | 13,915 |
| Commercial Customers | 1,893 | 1,923 | 1,950 | 1,975 | 1,999 | 2,023 | 2,046 | 2,070 | 2,094 | 2,117 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 13,172 | 13,512 | 13,833 | 14,146 | 14,457 | 14,770 | 15,088 | 15,409 | 15,737 | 16,071 |

| Zone ME-WA | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.77% | 2.01% | 1.11% | 1.46% | 1.42% | 1.80% | 0.95% | 1.35% | 1.32% |
| Residential Therms | 6,683,296 | 6,828,863 | 6,992,581 | 7,092,272 | 7,217,020 | 7,340,065 | 7,493,473 | 7,582,879 | 7,702,846 | 7,822,550 |
| Commercial Therms | 4,312,225 | 4,391,693 | 4,483,489 | 4,536,114 | 4,606,524 | 4,675,708 | 4,765,018 | 4,814,663 | 4,885,651 | 4,955,869 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,746,406 | 12,971,441 | 13,232,418 | 13,379,271 | 13,574,430 | 13,766,659 | 14,014,839 | 14,148,427 | 14,339,382 | 14,529,304 |
| Daily Baseload Therms | 10,667 | 10,834 | 10,990 | 11,141 | 11,286 | 11,434 | 11,577 | 11,723 | 11,868 | 12,010 |
| Peak Day Therms | 166,556 | 168,314 | 170,088 | 171,879 | 173,727 | 175,600 | 177,523 | 179,462 | 181,468 | 183,489 |
| Therms Per Residential Customer | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,245 | 3,245 | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,576 | 11,828 | 12,062 | 12,286 | 12,503 | 12,717 | 12,929 | 13,139 | 13,347 | 13,555 |
| Commercial Customers | 1,329 | 1,353 | 1,376 | 1,398 | 1,420 | 1,441 | 1,463 | 1,484 | 1,506 | 1,528 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,923 | 13,199 | 13,456 | 13,702 | 13,941 | 14,176 | 14,409 | 14,641 | 14,871 | 15,101 |

| Bellingham Disctrict | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.88% | 2.23% | 1.39% | 1.77% | 1.77% | 2.17% | 1.40% | 1.75% | 1.78% |
| Residential Therms | 31,878,700 | 32,400,155 | 33,053,798 | 33,432,232 | 33,949,325 | 34,472,235 | 35,141,415 | 35,539,669 | 36,074,978 | 36,630,710 |
| Commercial Therms | 16,159,891 | 16,520,041 | 16,941,043 | 17,235,989 | 17,596,785 | 17,968,630 | 18,423,011 | 18,744,384 | 19,143,269 | 19,557,751 |
| Industrial Therms | 1,085,917 | 1,125,454 | 1,168,740 | 1,204,433 | 1,243,965 | 1,283,593 | 1,327,393 | 1,378,067 | 1,419,976 | 1,459,403 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 49,124,509 | 50,045,650 | 51,163,580 | 51,872,653 | 52,790,076 | 53,724,458 | 54,891,819 | 55,662,120 | 56,638,223 | 57,647,864 |
| Daily Baseload Therms | 45,365 | 46,243 | 47,082 | 47,958 | 48,809 | 49,705 | 50,587 | 51,521 | 52,441 | 53,409 |
| Peak Day Therms | 499,021 | 506,437 | 514,116 | 521,931 | 529,970 | 538,472 | 547,001 | 555,931 | 564,951 | 574,429 |
| Therms Per Residential Customer | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 |
| Therms Per Commercial Customer | 3,044 | 3,044 | 3,055 | 3,044 | 3,043 | 3,043 | 3,055 | 3,043 | 3,043 | 3,043 |
| Therms Per Industrial Customer | 19,391 | 19,404 | 19,479 | 19,426 | 19,437 | 19,448 | 19,520 | 19,455 | 19,474 | 19,480 |
| Residential Customers | 44,400 | 45,128 | 45,849 | 46,567 | 47,287 | 48,014 | 48,748 | 49,494 | 50,248 | 51,016 |
| Commercial Customers | 5,309 | 5,428 | 5,545 | 5,663 | 5,783 | 5,906 | 6,030 | 6,160 | 6,291 | 6,428 |
| Industrial Customers | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 71 | 73 | 75 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 49,765 | 50,614 | 51,454 | 52,291 | 53,134 | 53,986 | 54,847 | 55,724 | 56,612 | 57,519 |

| Mount Vernon District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.91% | 2.17% | 1.56% | 1.66% | 1.60% | 2.00% | 1.16% | 1.52% | 1.53% |
| Residential Therms | 26,478,656 | 26,874,352 | 27,376,287 | 27,653,230 | 28,043,153 | 28,441,235 | 28,968,631 | 29,256,367 | 29,670,804 | 30,091,257 |
| Commercial Therms | 15,680,221 | 16,038,987 | 16,436,823 | 16,685,736 | 16,986,907 | 17,282,416 | 17,643,672 | 17,853,143 | 18,129,778 | 18,401,622 |
| Industrial Therms | 2,186,738 | 2,279,674 | 2,362,125 | 2,559,876 | 2,648,095 | 2,719,551 | 2,801,502 | 2,877,960 | 2,950,147 | 3,035,993 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 44,447,635 | 45,295,034 | 46,277,255 | 47,000,862 | 47,780,175 | 48,545,222 | 49,515,825 | 50,089,491 | 50,852,749 | 51,630,893 |
| Daily Baseload Therms | 41,018 | 41,833 | 42,607 | 43,746 | 44,502 | 45,246 | 45,964 | 46,722 | 47,443 | 48,199 |
| Peak Day Therms | 424,545 | 430,246 | 435,937 | 441,636 | 447,559 | 453,351 | 459,312 | 466,265 | 472,349 | 478,623 |
| Therms Per Residential Customer | 680 | 680 | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 680 |
| Therms Per Commercial Customer | 3,123 | 3,124 | 3,138 | 3,126 | 3,127 | 3,127 | 3,141 | 3,129 | 3,129 | 3,130 |
| Therms Per Industrial Customer | 16,329 | 16,177 | 16,105 | 16,704 | 16,559 | 16,441 | 16,391 | 16,221 | 16,128 | 16,028 |
| Residential Customers | 38,933 | 39,512 | 40,083 | 40,658 | 41,236 | 41,822 | 42,414 | 43,015 | 43,624 | 44,242 |
| Commercial Customers | 5,021 | 5,133 | 5,238 | 5,337 | 5,433 | 5,526 | 5,617 | 5,706 | 5,793 | 5,880 |
| Industrial Customers | 134 | 141 | 147 | 153 | 160 | 165 | 171 | 177 | 183 | 189 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 44,089 | 44,787 | 45,469 | 46,150 | 46,830 | 47,514 | 48,203 | 48,899 | 49,601 | 50,312 |

| Bremerton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.83% | 1.77% | 1.26% | 1.63% | 1.61% | 2.00% | 1.18% | 1.58% | 1.57% |
| Residential Therms | 22,014,113 | 22,422,724 | 22,909,610 | 23,200,812 | 23,583,258 | 23,966,721 | 24,453,660 | 24,740,752 | 25,132,113 | 25,527,314 |
| Commercial Therms | 11,662,428 | 11,902,947 | 12,178,732 | 12,356,485 | 12,581,563 | 12,807,813 | 13,088,590 | 13,269,581 | 13,507,131 | 13,746,777 |
| Industrial Therms | 467,241 | 467,241 | 345,141 | 341,261 | 341,261 | 341,261 | 345,141 | 341,261 | 341,261 | 341,261 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 35,566,240 | 36,215,369 | 36,855,940 | 37,321,016 | 37,928,540 | 38,538,253 | 39,309,847 | 39,774,051 | 40,402,962 | 41,037,809 |
| Daily Baseload Therms | 33,840 | 34,410 | 34,665 | 35,203 | 35,745 | 36,282 | 36,830 | 37,380 | 37,940 | 38,508 |
| Peak Day Therms | 334,059 | 338,458 | 342,358 | 347,023 | 351,816 | 356,753 | 361,805 | 367,014 | 372,290 | 377,764 |
| Therms Per Residential Customer | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 |
| Therms Per Commercial Customer | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 | 3,745 | 3,730 | 3,730 | 3,730 |
| Therms Per Industrial Customer | 31,149 | 31,149 | 24,653 | 24,376 | 24,376 | 24,376 | 24,653 | 24,376 | 24,376 | 24,376 |
| Residential Customers | 32,943 | 33,553 | 34,141 | 34,718 | 35,293 | 35,868 | 36,445 | 37,026 | 37,612 | 38,205 |
| Commercial Customers | 3,126 | 3,191 | 3,252 | 3,312 | 3,373 | 3,434 | 3,495 | 3,557 | 3,621 | 3,686 |
| Industrial Customers | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 36,087 | 36,761 | 37,409 | 38,047 | 38,682 | 39,317 | 39,956 | 40,599 | 41,249 | 41,906 |

| Longview District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.11% | 2.58% | 1.80% | 1.67% | 1.70% | 2.10% | 3.14% | 1.57% | 1.56% |
| Residential Therms | 1,516,450 | 1,570,718 | 1,626,829 | 1,666,860 | 1,711,077 | 1,754,928 | 1,806,126 | 1,841,431 | 1,884,168 | 1,925,975 |
| Commercial Therms | 4,240,897 | 4,329,568 | 4,430,943 | 4,493,135 | 4,569,847 | 4,650,512 | 4,751,921 | 4,812,824 | 4,893,535 | 4,976,625 |
| Industrial Therms | 923,913 | 923,913 | 944,917 | 970,350 | 969,901 | 969,901 | 973,793 | 1,117,256 | 1,117,256 | 1,117,256 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 6,772,960 | 6,915,899 | 7,094,390 | 7,222,045 | 7,342,526 | 7,467,041 | 7,623,540 | 7,863,212 | 7,986,659 | 8,111,556 |
| Daily Baseload Therms | 7,983 | 8,121 | 8,267 | 8,455 | 8,575 | 8,697 | 8,820 | 9,352 | 9,477 | 9,600 |
| Peak Day Therms | 63,077 | 63,865 | 64,687 | 65,857 | 66,738 | 67,601 | 68,520 | 69,441 | 70,716 | 71,725 |
| Therms Per Residential Customer | 508 | 508 | 510 | 508 | 507 | 507 | 510 | 508 | 508 | 508 |
| Therms Per Commercial Customer | 3,444 | 3,444 | 3,459 | 3,445 | 3,443 | 3,443 | 3,459 | 3,445 | 3,444 | 3,444 |
| Therms Per Industrial Customer | 27,174 | 27,174 | 26,998 | 26,954 | 26,942 | 26,942 | 27,050 | 28,648 | 28,648 | 28,648 |
| Residential Customers | 2,988 | 3,095 | 3,192 | 3,284 | 3,372 | 3,459 | 3,544 | 3,628 | 3,712 | 3,795 |
| Commercial Customers | 1,231 | 1,257 | 1,281 | 1,304 | 1,327 | 1,351 | 1,374 | 1,397 | 1,421 | 1,445 |
| Industrial Customers | 34 | 34 | 35 | 36 | 36 | 36 | 36 | 39 | 39 | 39 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 4,254 | 4,387 | 4,509 | 4,625 | 4,737 | 4,846 | 4,954 | 5,065 | 5,173 | 5,280 |

| Aberdeen District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.59% | 0.93% | 0.09% | 0.40% | 0.41% | 0.82% | 0.00% | 0.38% | 0.39% |
| Residential Therms | 2,518,434 | 2,547,189 | 2,582,870 | 2,594,877 | 2,616,063 | 2,637,149 | 2,669,556 | 2,678,887 | 2,699,174 | 2,719,462 |
| Commercial Therms | 3,323,351 | 3,331,760 | 3,353,279 | 3,348,332 | 3,352,684 | 3,357,915 | 3,376,632 | 3,368,989 | 3,373,429 | 3,378,378 |
| Industrial Therms | 437,822 | 437,822 | 439,397 | 437,822 | 437,690 | 437,690 | 439,397 | 437,822 | 437,822 | 437,822 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,279,607 | 6,316,771 | 6,375,546 | 6,381,031 | 6,406,437 | 6,432,755 | 6,485,584 | 6,485,698 | 6,510,424 | 6,535,662 |
| Daily Baseload Therms | 6,986 | 7,011 | 7,039 | 7,066 | 7,086 | 7,107 | 7,127 | 7,146 | 7,166 | 7,185 |
| Peak Day Therms | 57,205 | 57,147 | 57,137 | 57,127 | 57,125 | 57,136 | 56,996 | 57,015 | 57,075 | 57,108 |
| Therms Per Residential Customer | 702 | 702 | 705 | 702 | 702 | 702 | 705 | 702 | 702 | 702 |
| Therms Per Commercial Customer | 4,444 | 4,445 | 4,462 | 4,445 | 4,444 | 4,444 | 4,462 | 4,445 | 4,445 | 4,445 |
| Therms Per Industrial Customer | 25,754 | 25,754 | 25,847 | 25,754 | 25,746 | 25,746 | 25,847 | 25,754 | 25,754 | 25,754 |
| Residential Customers | 3,586 | 3,627 | 3,662 | 3,695 | 3,726 | 3,756 | 3,785 | 3,815 | 3,844 | 3,873 |
| Commercial Customers | 748 | 750 | 752 | 753 | 755 | 756 | 757 | 758 | 759 | 760 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,351 | 4,393 | 4,431 | 4,465 | 4,497 | 4,528 | 4,559 | 4,589 | 4,619 | 4,650 |

| Kennewick District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 3.42% | 3.50% | 2.65% | 2.89% | 2.67% | 3.18% | 2.26% | 2.49% | 2.40% |
| Residential Therms | 15,697,687 | 16,296,613 | 16,953,385 | 17,456,018 | 18,026,625 | 18,597,133 | 19,251,779 | 19,738,873 | 20,310,385 | 20,883,687 |
| Commercial Therms | 15,413,268 | 15,850,096 | 16,337,727 | 16,719,759 | 17,136,169 | 17,531,853 | 18,002,130 | 18,323,056 | 18,715,531 | 19,106,067 |
| Industrial Therms | 637,801 | 696,602 | 711,401 | 734,848 | 764,207 | 764,207 | 820,434 | 876,445 | 888,710 | 888,710 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 31,983,718 | 33,078,273 | 34,237,475 | 35,145,588 | 36,161,963 | 37,128,155 | 38,309,305 | 39,173,336 | 40,149,588 | 41,113,426 |
| Daily Baseload Therms | 29,263 | 30,273 | 31,234 | 32,176 | 33,022 | 33,851 | 34,791 | 35,740 | 36,571 | 37,395 |
| Peak Day Therms | 403,616 | 414,424 | 425,222 | 436,232 | 447,474 | 458,500 | 470,196 | 481,299 | 492,642 | 503,966 |
| Therms Per Residential Customer | 588 | 588 | 591 | 588 | 588 | 588 | 591 | 588 | 588 | 588 |
| Therms Per Commercial Customer | 4,254 | 4,253 | 4,268 | 4,259 | 4,260 | 4,259 | 4,275 | 4,257 | 4,256 | 4,255 |
| Therms Per Industrial Customer | 27,730 | 28,051 | 28,456 | 28,818 | 29,393 | 29,393 | 30,386 | 30,397 | 30,645 | 30,645 |
| Residential Customers | 26,703 | 27,716 | 28,705 | 29,683 | 30,654 | 31,623 | 32,591 | 33,561 | 34,533 | 35,508 |
| Commercial Customers | 3,623 | 3,727 | 3,828 | 3,926 | 4,022 | 4,117 | 4,211 | 4,305 | 4,397 | 4,491 |
| Industrial Customers | 23 | 25 | 25 | 26 | 26 | 26 | 27 | 29 | 29 | 29 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 30,350 | 31,469 | 32,560 | 33,635 | 34,703 | 35,766 | 36,830 | 37,895 | 38,960 | 40,029 |

| Walla Walla District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 1.77% | 2.01% | 1.11% | 1.46% | 1.42% | 1.80% | 0.95% | 1.35% | 1.32% |
| Residential Therms | 6,683,296 | 6,828,863 | 6,992,581 | 7,092,272 | 7,217,020 | 7,340,065 | 7,493,473 | 7,582,879 | 7,702,846 | 7,822,550 |
| Commercial Therms | 4,312,225 | 4,391,693 | 4,483,489 | 4,536,114 | 4,606,524 | 4,675,708 | 4,765,018 | 4,814,663 | 4,885,651 | 4,955,869 |
| Industrial Therms | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 12,746,406 | 12,971,441 | 13,232,418 | 13,379,271 | 13,574,430 | 13,766,659 | 14,014,839 | 14,148,427 | 14,339,382 | 14,529,304 |
| Daily Baseload Therms | 10,667 | 10,834 | 10,990 | 11,141 | 11,286 | 11,434 | 11,577 | 11,723 | 11,868 | 12,010 |
| Peak Day Therms | 166,556 | 168,314 | 170,088 | 171,879 | 173,727 | 175,600 | 177,523 | 179,462 | 181,468 | 183,489 |
| Therms Per Residential Customer | 577 | 577 | 580 | 577 | 577 | 577 | 580 | 577 | 577 | 577 |
| Therms Per Commercial Customer | 3,245 | 3,245 | 3,258 | 3,245 | 3,244 | 3,244 | 3,258 | 3,244 | 3,244 | 3,244 |
| Therms Per Industrial Customer | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 |
| Residential Customers | 11,576 | 11,828 | 12,062 | 12,286 | 12,503 | 12,717 | 12,929 | 13,139 | 13,347 | 13,555 |
| Commercial Customers | 1,329 | 1,353 | 1,376 | 1,398 | 1,420 | 1,441 | 1,463 | 1,484 | 1,506 | 1,528 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 12,923 | 13,199 | 13,456 | 13,702 | 13,941 | 14,176 | 14,409 | 14,641 | 14,871 | 15,101 |

| Wenatchee District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 0.86% | 1.46% | 0.85% | 0.41% | 0.94% | 0.94% | 0.49% | 0.40% | 0.21% |
| Residential Therms | 1,343,871 | 1,353,499 | 1,364,525 | 1,363,126 | 1,365,576 | 1,367,336 | 1,374,087 | 1,368,999 | 1,368,600 | 1,368,031 |
| Commercial Therms | 5,299,026 | 5,332,159 | 5,371,499 | 5,377,996 | 5,395,969 | 5,411,730 | 5,453,361 | 5,453,435 | 5,475,703 | 5,492,234 |
| Industrial Therms | 1,327,079 | 1,354,271 | 1,423,529 | 1,489,190 | 1,503,376 | 1,565,054 | 1,596,468 | 1,643,288 | 1,655,552 | 1,657,742 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 8,127,779 | 8,197,731 | 8,317,356 | 8,388,115 | 8,422,723 | 8,501,922 | 8,581,719 | 8,623,524 | 8,657,657 | 8,675,809 |
| Daily Baseload Therms | 14,276 | 14,439 | 14,604 | 14,777 | 14,802 | 14,966 | 15,003 | 15,140 | 15,164 | 15,182 |
| Peak Day Therms | 93,854 | 94,151 | 94,142 | 94,414 | 94,548 | 95,065 | 95,393 | 95,602 | 95,752 | 96,131 |
| Therms Per Residential Customer | 518 | 518 | 520 | 518 | 518 | 518 | 520 | 518 | 518 | 519 |
| Therms Per Commercial Customer | 4,902 | 4,905 | 4,922 | 4,906 | 4,906 | 4,906 | 4,925 | 4,912 | 4,915 | 4,917 |
| Therms Per Industrial Customer | 27,647 | 27,591 | 27,867 | 27,922 | 27,840 | 28,073 | 28,173 | 28,251 | 28,220 | 28,217 |
| Residential Customers | 2,596 | 2,615 | 2,626 | 2,633 | 2,638 | 2,641 | 2,642 | 2,642 | 2,641 | 2,638 |
| Commercial Customers | 1,081 | 1,087 | 1,091 | 1,096 | 1,100 | 1,103 | 1,107 | 1,110 | 1,114 | 1,117 |
| Industrial Customers | 48 | 49 | 51 | 53 | 54 | 56 | 57 | 58 | 59 | 59 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,726 | 3,752 | 3,769 | 3,784 | 3,793 | 3,801 | 3,807 | 3,811 | 3,814 | 3,815 |

| Yakima District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.09% | 2.26% | 1.33% | 1.62% | 1.56% | 2.16% | 1.17% | 1.62% | 1.54% |
| Residential Therms | 17,099,025 | 17,386,502 | 17,723,273 | 17,893,282 | 18,133,497 | 18,375,868 | 18,704,842 | 18,868,853 | 19,115,455 | 19,365,020 |
| Commercial Therms | 20,711,422 | 21,112,242 | 21,581,106 | 21,861,748 | 22,228,414 | 22,598,460 | 23,074,688 | 23,355,732 | 23,739,661 | 24,129,301 |
| Industrial Therms | 5,531,992 | 5,754,875 | 5,953,455 | 6,107,738 | 6,247,785 | 6,369,012 | 6,594,259 | 6,718,622 | 6,886,712 | 7,018,993 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 43,619,036 | 44,530,217 | 45,534,432 | 46,139,366 | 46,886,293 | 47,619,938 | 48,650,386 | 49,219,804 | 50,018,426 | 50,789,911 |
| Daily Baseload Therms | 36,979 | 37,874 | 38,679 | 39,422 | 40,092 | 40,722 | 41,596 | 42,194 | 42,888 | 43,656 |
| Peak Day Therms | 415,632 | 420,507 | 425,502 | 430,595 | 435,761 | 441,285 | 446,856 | 452,694 | 458,636 | 464,617 |
| Therms Per Residential Customer | 645 | 646 | 648 | 646 | 645 | 645 | 648 | 645 | 645 | 645 |
| Therms Per Commercial Customer | 3,801 | 3,803 | 3,820 | 3,805 | 3,805 | 3,806 | 3,824 | 3,808 | 3,809 | 3,810 |
| Therms Per Industrial Customer | 34,774 | 34,949 | 34,986 | 35,035 | 35,002 | 35,043 | 35,123 | 35,069 | 35,166 | 35,183 |
| Residential Customers | 26,518 | 26,933 | 27,331 | 27,718 | 28,103 | 28,485 | 28,868 | 29,254 | 29,640 | 30,032 |
| Commercial Customers | 5,449 | 5,552 | 5,649 | 5,745 | 5,842 | 5,938 | 6,035 | 6,133 | 6,232 | 6,333 |
| Industrial Customers | 159 | 165 | 170 | 174 | 179 | 182 | 188 | 192 | 196 | 200 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 32,129 | 32,653 | 33,153 | 33,641 | 34,126 | 34,607 | 35,093 | 35,581 | 36,072 | 36,568 |

| Central Oregon (Bend) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.68% | 2.91% | 1.98% | 2.33% | 2.29% | 2.76% | 1.75% | 2.14% | 2.11% |
| Residential Therms | 35,051,366 | 35,919,694 | 36,960,762 | 37,689,236 | 38,591,989 | 39,512,581 | 40,632,476 | 41,405,589 | 42,373,267 | 43,355,561 |
| Commercial Therms | 20,278,930 | 20,798,748 | 21,364,007 | 21,735,524 | 22,177,682 | 22,609,503 | 23,141,092 | 23,459,485 | 23,869,804 | 24,266,854 |
| Industrial Therms | 3,308,863 | 3,492,074 | 3,641,066 | 3,767,462 | 3,898,052 | 4,025,905 | 4,200,037 | 4,295,948 | 4,399,862 | 4,509,726 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 58,660,095 | 60,231,453 | 61,986,772 | 63,213,159 | 64,688,660 | 66,168,926 | 67,994,542 | 69,181,959 | 70,663,869 | 72,153,078 |
| Daily Baseload Therms | 51,039 | 52,523 | 53,878 | 55,202 | 56,596 | 57,908 | 59,204 | 60,504 | 61,817 | 63,172 |
| Peak Day Therms | 617,474 | 631,651 | 644,850 | 659,079 | 672,840 | 687,152 | 701,195 | 715,761 | 730,554 | 744,906 |
| Therms Per Residential Customer | 737 | 736 | 740 | 736 | 736 | 736 | 740 | 736 | 736 | 736 |
| Therms Per Commercial Customer | 2,902 | 2,903 | 2,915 | 2,902 | 2,902 | 2,902 | 2,915 | 2,902 | 2,903 | 2,902 |
| Therms Per Industrial Customer | 29,478 | 29,284 | 29,285 | 29,018 | 28,874 | 28,860 | 29,033 | 28,800 | 28,710 | 28,633 |
| Residential Customers | 47,591 | 48,775 | 49,971 | 51,184 | 52,416 | 53,669 | 54,943 | 56,239 | 57,555 | 58,891 |
| Commercial Customers | 6,988 | 7,165 | 7,330 | 7,489 | 7,643 | 7,792 | 7,939 | 8,083 | 8,223 | 8,361 |
| Industrial Customers | 112 | 119 | 124 | 130 | 135 | 140 | 145 | 149 | 153 | 158 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 54,691 | 56,061 | 57,426 | 58,804 | 60,195 | 61,601 | 63,028 | 64,472 | 65,932 | 67,410 |

| Pendleton District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.45% | 2.68% | 1.70% | 1.54% | 2.02% | 2.44% | 1.07% | 1.97% | 1.96% |
| Residential Therms | 6,338,430 | 6,511,829 | 6,705,845 | 6,837,432 | 6,997,730 | 7,159,651 | 7,357,311 | 7,491,641 | 7,661,855 | 7,835,499 |
| Commercial Therms | 6,874,570 | 6,985,012 | 7,112,692 | 7,171,412 | 7,261,407 | 7,344,747 | 7,461,700 | 7,518,971 | 7,603,899 | 7,690,122 |
| Industrial Therms | 717,823 | 805,016 | 899,173 | 979,407 | 979,180 | 1,066,373 | 1,161,591 | 1,153,798 | 1,240,994 | 1,328,190 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 15,140,119 | 15,511,153 | 15,927,007 | 16,197,548 | 16,447,614 | 16,780,067 | 17,189,899 | 17,373,707 | 17,716,044 | 18,063,107 |
| Daily Baseload Therms | 15,157 | 15,564 | 15,952 | 16,337 | 16,549 | 16,927 | 17,309 | 17,527 | 17,911 | 18,297 |
| Peak Day Therms | 176,673 | 179,169 | 181,663 | 184,363 | 186,486 | 189,325 | 192,198 | 194,552 | 197,727 | 200,953 |
| Therms Per Residential Customer | 564 | 563 | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 |
| Therms Per Commercial Customer | 3,632 | 3,633 | 3,648 | 3,632 | 3,632 | 3,631 | 3,646 | 3,632 | 3,632 | 3,632 |
| Therms Per Industrial Customer | 24,333 | 26,394 | 28,545 | 30,136 | 30,129 | 31,832 | 33,669 | 33,443 | 34,958 | 36,389 |
| Residential Customers | 11,248 | 11,556 | 11,849 | 12,137 | 12,423 | 12,712 | 13,005 | 13,302 | 13,606 | 13,915 |
| Commercial Customers | 1,893 | 1,923 | 1,950 | 1,975 | 1,999 | 2,023 | 2,046 | 2,070 | 2,094 | 2,117 |
| Industrial Customers | 30 | 31 | 32 | 33 | 33 | 34 | 35 | 35 | 36 | 37 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 13,172 | 13,512 | 13,833 | 14,146 | 14,457 | 14,770 | 15,088 | 15,409 | 15,737 | 16,071 |

| Eastern Oregon (Ontario) District | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.05% | 2.67% | 1.32% | 1.96% | 1.61% | 2.29% | 1.16% | 1.85% | 1.44% |
| Residential Therms | 4,163,562 | 4,225,841 | 4,300,179 | 4,330,514 | 4,377,799 | 4,423,818 | 4,490,284 | 4,513,059 | 4,556,142 | 4,598,558 |
| Commercial Therms | 4,047,489 | 4,103,867 | 4,171,464 | 4,199,244 | 4,241,333 | 4,283,042 | 4,344,175 | 4,364,404 | 4,402,513 | 4,441,509 |
| Industrial Therms | 574,556 | 660,154 | 790,081 | 869,868 | 988,380 | 1,074,694 | 1,198,020 | 1,284,931 | 1,413,443 | 1,499,010 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 9,973,840 | 10,178,098 | 10,449,958 | 10,587,860 | 10,795,747 | 10,969,789 | 11,220,714 | 11,350,627 | 11,560,332 | 11,727,312 |
| Daily Baseload Therms | 8,491 | 8,842 | 9,042 | 9,378 | 9,570 | 9,900 | 10,091 | 10,417 | 10,608 | 10,934 |
| Peak Day Therms | 113,505 | 114,618 | 116,439 | 117,572 | 119,395 | 120,567 | 122,436 | 123,582 | 125,471 | 126,656 |
| Therms Per Residential Customer | 566 | 567 | 570 | 567 | 567 | 568 | 571 | 568 | 568 | 568 |
| Therms Per Commercial Customer | 2,737 | 2,737 | 2,749 | 2,736 | 2,736 | 2,735 | 2,747 | 2,735 | 2,735 | 2,735 |
| Therms Per Industrial Customer | 21,819 | 23,861 | 26,935 | 28,365 | 30,647 | 32,001 | 34,067 | 35,123 | 36,872 | 37,790 |
| Residential Customers | 7,351 | 7,456 | 7,548 | 7,634 | 7,716 | 7,794 | 7,871 | 7,945 | 8,018 | 8,091 |
| Commercial Customers | 1,479 | 1,500 | 1,518 | 1,535 | 1,550 | 1,566 | 1,581 | 1,596 | 1,610 | 1,624 |
| Industrial Customers | 26 | 28 | 29 | 31 | 32 | 34 | 35 | 37 | 38 | 40 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,857 | 8,984 | 9,096 | 9,201 | 9,299 | 9,395 | 9,488 | 9,579 | 9,667 | 9,756 |

| Oregon | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.56% | 2.84% | 1.85% | 2.15% | 2.16% | 2.65% | 1.56% | 2.08% | 2.00% |
| Residential Therms | 45,553,358 | 46,657,365 | 47,966,785 | 48,857,182 | 49,967,519 | 51,096,050 | 52,480,072 | 53,410,288 | 54,591,263 | 55,789,617 |
| Commercial Therms | 31,200,988 | 31,887,627 | 32,648,164 | 33,106,180 | 33,680,422 | 34,237,292 | 34,946,967 | 35,342,859 | 35,876,215 | 36,398,485 |
| Industrial Therms | 4,601,241 | 4,957,245 | 5,330,320 | 5,616,738 | 5,865,612 | 6,166,972 | 6,559,649 | 6,734,677 | 7,054,300 | 7,336,926 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 83,774,055 | 85,920,704 | 88,363,736 | 89,998,567 | 91,932,020 | 93,918,781 | 96,405,155 | 97,906,293 | 99,940,246 | 101,943,497 |
| Daily Baseload Therms | 74,363 | 76,599 | 78,534 | 80,572 | 82,365 | 84,377 | 86,238 | 88,075 | 89,957 | 92,017 |
| Peak Day Therms | 907,652 | 925,438 | 942,953 | 961,014 | 978,721 | 997,044 | 1,015,829 | 1,033,895 | 1,053,752 | 1,072,515 |
| Therms Per Residential Customer | 11,695 | 11,697 | 11,749 | 11,696 | 11,694 | 11,693 | 11,744 | 11,692 | 11,691 | 11,690 |
| Therms Per Commercial Customer | 66,155 | 66,149 | 66,434 | 66,149 | 66,134 | 66,159 | 66,418 | 66,146 | 66,157 | 66,146 |
| Therms Per Industrial Customer | 291,825 | 300,704 | 310,767 | 315,138 | 317,549 | 322,687 | 329,749 | 329,344 | 333,990 | 337,396 |
| Residential Customers | 66,189 | 67,787 | 69,368 | 70,955 | 72,556 | 74,175 | 75,820 | 77,486 | 79,179 | 80,897 |
| Commercial Customers | 10,359 | 10,588 | 10,797 | 10,998 | 11,192 | 11,381 | 11,567 | 11,749 | 11,926 | 12,102 |
| Industrial Customers | 168 | 177 | 185 | 193 | 200 | 207 | 214 | 220 | 227 | 234 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 76,720 | 78,556 | 80,355 | 82,150 | 83,952 | 85,766 | 87,605 | 89,459 | 91,336 | 93,237 |

| Washington | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.05% | 2.27% | 1.51% | 1.76% | 1.72% | 2.16% | 1.37% | 1.67% | 1.64% |
| Residential Therms | 125,230,231 | 127,680,616 | 130,583,156 | 132,352,710 | 134,645,594 | 136,952,671 | 139,863,568 | 141,616,710 | 143,958,523 | 146,334,006 |
| Commercial Therms | 96,802,730 | 98,809,493 | 101,114,642 | 102,615,294 | 104,454,863 | 106,285,037 | 108,579,022 | 109,995,807 | 111,863,687 | 113,744,624 |
| Industrial Therms | 12,801,621 | 13,242,969 | 13,557,285 | 14,048,636 | 14,359,397 | 14,653,387 | 15,106,968 | 15,593,838 | 15,900,552 | 16,160,297 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 238,667,889 | 243,566,385 | 249,088,391 | 252,849,947 | 257,293,162 | 261,724,403 | 267,382,865 | 271,039,663 | 275,556,071 | 280,072,234 |
| Daily Baseload Therms | 226,376 | 231,039 | 235,166 | 239,945 | 243,920 | 248,009 | 252,294 | 256,916 | 260,958 | 265,143 |
| Peak Day Therms | 2,457,564 | 2,493,550 | 2,529,190 | 2,566,694 | 2,604,718 | 2,643,763 | 2,683,603 | 2,724,723 | 2,765,879 | 2,807,853 |
| Therms Per Residential Customer | 35,897 | 35,896 | 36,010 | 35,892 | 35,884 | 35,881 | 36,067 | 35,888 | 35,904 | 35,946 |
| Therms Per Commercial Customer | 191,995 | 190,986 | 183,579 | 189,353 | 191,868 | 191,822 | 192,730 | 191,990 | 191,960 | 192,004 |
| Therms Per Industrial Customer | 775,912 | 777,166 | 774,772 | 779,499 | 779,204 | 780,084 | 782,026 | 780,317 | 781,733 | 781,452 |
| Residential Customers | 190,242 | 194,007 | 197,650 | 201,242 | 204,812 | 208,384 | 211,965 | 215,572 | 219,200 | 222,863 |
| Commercial Customers | 26,918 | 27,478 | 28,013 | 28,536 | 29,054 | 29,570 | 30,089 | 30,610 | 31,135 | 31,666 |
| Industrial Customers | 503 | 521 | 536 | 552 | 566 | 579 | 594 | 614 | 626 | 639 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 217,673 | 222,015 | 226,209 | 230,339 | 234,442 | 238,542 | 242,658 | 246,805 | 250,971 | 255,178 |

| System | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | | 2.18% | 2.42% | 1.60% | 1.86% | 1.84% | 2.29% | 1.42% | 1.78% | 1.74% |
| Residential Therms | 170,783,588 | 174,337,981 | 178,549,942 | 181,209,891 | 184,613,113 | 188,048,721 | 192,343,639 | 195,026,998 | 198,549,787 | 202,123,623 |
| Commercial Therms | 128,003,718 | 130,697,120 | 133,762,805 | 135,721,474 | 138,135,284 | 140,522,329 | 143,525,989 | 145,338,666 | 147,739,902 | 150,143,110 |
| Industrial Therms | 17,402,862 | 18,200,213 | 18,887,604 | 19,665,374 | 20,225,009 | 20,820,359 | 21,666,616 | 22,328,515 | 22,954,852 | 23,497,223 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 322,441,944 | 329,487,090 | 337,452,127 | 342,848,515 | 349,225,182 | 355,643,185 | 363,788,020 | 368,945,956 | 375,496,316 | 382,015,731 |
| Daily Baseload Therms | 300,739 | 307,638 | 313,700 | 320,517 | 326,285 | 332,386 | 338,532 | 344,992 | 350,914 | 357,160 |
| Peak Day Therms | 3,365,216 | 3,418,987 | 3,472,143 | 3,527,708 | 3,583,438 | 3,640,807 | 3,699,432 | 3,758,617 | 3,819,631 | 3,880,368 |
| Therms Per Residential Customer | 47,592 | 47,593 | 47,759 | 47,588 | 47,578 | 47,574 | 47,811 | 47,580 | 47,595 | 47,637 |
| Therms Per Commercial Customer | 258,150 | 257,135 | 250,013 | 255,502 | 258,003 | 257,981 | 259,148 | 258,136 | 258,117 | 258,149 |
| Therms Per Industrial Customer | 1,067,737 | 1,077,870 | 1,085,539 | 1,094,637 | 1,096,753 | 1,102,771 | 1,111,775 | 1,109,660 | 1,115,723 | 1,118,848 |
| Residential Customers | 256,431 | 261,794 | 267,019 | 272,197 | 277,368 | 282,558 | 287,785 | 293,058 | 298,379 | 303,760 |
| Commercial Customers | 37,277 | 38,065 | 38,810 | 39,534 | 40,246 | 40,951 | 41,656 | 42,359 | 43,061 | 43,769 |
| Industrial Customers | 671 | 698 | 721 | 745 | 766 | 786 | 809 | 834 | 853 | 872 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 294,393 | 300,571 | 306,564 | 312,490 | 318,394 | 324,308 | 330,263 | 336,265 | 342,308 | 348,415 |

| Athena | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.24% | 1.52% | 2.03% | 1.99% | 2.37% | 1.42% | 1.91% | 1.94% | 2.40% | 1.52% |
| Residential Therms | 395,517 | 402,616 | 411,865 | 421,127 | 432,509 | 440,410 | 450,307 | 460,464 | 472,743 | 481,163 |
| Commercial Therms | 155,721 | 157,001 | 159,113 | 161,225 | 163,639 | 164,197 | 165,823 | 167,620 | 170,446 | 171,785 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 551,238 | 559,617 | 570,979 | 582,353 | 596,148 | 604,607 | 616,130 | 628,084 | 643,188 | 652,948 |
| Daily Baseload Therms | 237 | 242 | 247 | 252 | 257 | 263 | 267 | 273 | 278 | 284 |
| Peak Day Therms | 6,653 | 6,749 | 6,875 | 7,007 | 7,111 | 7,251 | 7,391 | 7,502 | 7,649 | 7,797 |
| Therms Per Residential Customer | 577 | 575 | 575 | 575 | 577 | 575 | 575 | 575 | 577 | 574 |
| Therms Per Commercial Customer | 2,121 | 2,117 | 2,117 | 2,117 | 2,125 | 2,112 | 2,112 | 2,113 | 2,126 | 2,116 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 685 | 700 | 716 | 733 | 749 | 766 | 784 | 802 | 820 | 838 |
| Commercial Customers | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 79 | 80 | 81 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 758 | 775 | 792 | 809 | 826 | 844 | 862 | 881 | 900 | 919 |

| Baker | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.39% | 0.54% | 0.95% | 0.93% | 1.36% | 0.45% | 0.90% | 0.87% | 1.31% | 0.42% |
| Residential Therms | 2,537,647 | 2,557,389 | 2,587,557 | 2,617,543 | 2,659,114 | 2,676,659 | 2,706,290 | 2,736,016 | 2,777,432 | 2,794,328 |
| Commercial Therms | 1,683,140 | 1,686,792 | 1,697,362 | 1,707,702 | 1,725,596 | 1,728,375 | 1,738,795 | 1,748,411 | 1,766,281 | 1,768,902 |
| Industrial Therms | 55,986 | 55,823 | 55,823 | 55,823 | 56,009 | 55,811 | 55,811 | 55,823 | 56,009 | 55,823 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,276,773 | 4,300,004 | 4,340,741 | 4,381,068 | 4,440,719 | 4,460,845 | 4,500,896 | 4,540,250 | 4,599,723 | 4,619,053 |
| Daily Baseload Therms | 2,331 | 2,351 | 2,370 | 2,390 | 2,408 | 2,429 | 2,447 | 2,467 | 2,485 | 2,503 |
| Peak Day Therms | 43,675 | 43,972 | 44,243 | 44,514 | 44,818 | 45,089 | 45,367 | 45,679 | 45,957 | 46,269 |
| Therms Per Residential Customer | 636 | 633 | 633 | 633 | 636 | 633 | 633 | 633 | 636 | 633 |
| Therms Per Commercial Customer | 3,005 | 2,993 | 2,993 | 2,993 | 3,005 | 2,992 | 2,993 | 2,992 | 3,006 | 2,993 |
| Therms Per Industrial Customer | 27,993 | 27,911 | 27,911 | 27,911 | 28,005 | 27,905 | 27,905 | 27,911 | 28,005 | 27,911 |
| Residential Customers | 3,989 | 4,037 | 4,085 | 4,132 | 4,180 | 4,227 | 4,274 | 4,320 | 4,366 | 4,413 |
| Commercial Customers | 560 | 564 | 567 | 571 | 574 | 578 | 581 | 584 | 588 | 591 |
| Industrial Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,551 | 4,603 | 4,654 | 4,705 | 4,756 | 4,806 | 4,857 | 4,907 | 4,956 | 5,006 |

| Umatilla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 4.62% | 0.27% | 4.11% | 3.94% | 0.93% | 3.45% | 0.58% | 3.66% | 3.86% | 0.20% |
| Residential Therms | 393,496 | 400,026 | 408,534 | 417,217 | 427,976 | 434,878 | 444,062 | 453,279 | 464,851 | 472,241 |
| Commercial Therms | 607,761 | 612,469 | 619,320 | 625,739 | 634,751 | 640,006 | 647,093 | 654,290 | 662,928 | 667,647 |
| Industrial Therms | 903,591 | 899,071 | 986,266 | 1,073,462 | 1,078,724 | 1,160,547 | 1,160,547 | 1,247,853 | 1,341,142 | 1,335,048 |
| Ind., Inst., & Cmcl. Interrup. Therms | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 | 583,254 |
| Total Core Therms | 2,488,102 | 2,494,819 | 2,597,374 | 2,699,672 | 2,724,705 | 2,818,685 | 2,834,956 | 2,938,675 | 3,052,175 | 3,058,190 |
| Daily Baseload Therms | 4,009 | 4,024 | 4,211 | 4,397 | 4,417 | 4,604 | 4,620 | 4,807 | 4,998 | 5,010 |
| Peak Day Therms | 21,691 | 21,835 | 22,680 | 23,525 | 23,679 | 24,495 | 24,649 | 25,507 | 26,364 | 26,528 |
| Therms Per Residential Customer | 278 | 277 | 277 | 277 | 278 | 276 | 276 | 276 | 278 | 276 |
| Therms Per Commercial Customer | 3,213 | 3,201 | 3,201 | 3,201 | 3,211 | 3,201 | 3,202 | 3,201 | 3,210 | 3,201 |
| Therms Per Industrial Customer | 53,152 | 52,887 | 54,793 | 56,498 | 56,775 | 58,027 | 58,027 | 59,422 | 60,961 | 60,684 |
| Residential Customers | 1,416 | 1,447 | 1,477 | 1,509 | 1,541 | 1,573 | 1,606 | 1,640 | 1,674 | 1,709 |
| Commercial Customers | 189 | 191 | 194 | 196 | 198 | 200 | 202 | 204 | 207 | 209 |
| Industrial Customers | 17 | 17 | 18 | 19 | 19 | 20 | 20 | 21 | 22 | 22 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,623 | 1,656 | 1,690 | 1,724 | 1,758 | 1,794 | 1,830 | 1,866 | 1,904 | 1,940 |

| Chemult | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.41% | -0.41% | 0.00% | -0.04% | 0.41% | -0.41% | 0.00% | 0.00% | 0.33% | -0.41% |
| Residential Therms | 12,000 | 11,949 | 11,949 | 11,928 | 11,979 | 11,928 | 11,928 | 11,928 | 11,935 | 11,884 |
| Commercial Therms | 44,588 | 44,410 | 44,410 | 44,410 | 44,588 | 44,410 | 44,410 | 44,410 | 44,588 | 44,410 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 56,588 | 56,358 | 56,358 | 56,338 | 56,568 | 56,338 | 56,338 | 56,338 | 56,524 | 56,294 |
| Daily Baseload Therms | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| Peak Day Therms | 449 | 445 | 445 | 445 | 445 | 441 | 441 | 441 | 441 | 441 |
| Therms Per Residential Customer | 449 | 447 | 447 | 447 | 449 | 447 | 447 | 447 | 450 | 448 |
| Therms Per Commercial Customer | 1,871 | 1,863 | 1,863 | 1,863 | 1,871 | 1,863 | 1,863 | 1,863 | 1,871 | 1,863 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Commercial Customers | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 50 | 50 |

| Gilchrist | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.44% | -0.45% | -0.01% | -0.06% | 0.35% | -0.48% | -0.05% | -0.13% | 0.43% | -0.57% |
| Residential Therms | 104,755 | 104,296 | 104,268 | 104,109 | 104,313 | 103,785 | 103,659 | 103,346 | 103,729 | 102,982 |
| Commercial Therms | 143,414 | 142,750 | 142,750 | 142,750 | 143,414 | 142,750 | 142,750 | 142,750 | 143,414 | 142,750 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 248,170 | 247,047 | 247,018 | 246,859 | 247,728 | 246,536 | 246,409 | 246,096 | 247,143 | 245,733 |
| Daily Baseload Therms | 152 | 152 | 152 | 152 | 151 | 151 | 151 | 151 | 151 | 151 |
| Peak Day Therms | 2,035 | 2,030 | 2,021 | 2,016 | 2,006 | 1,996 | 1,992 | 1,982 | 1,977 | 1,967 |
| Therms Per Residential Customer | 515 | 513 | 513 | 512 | 514 | 513 | 513 | 512 | 515 | 512 |
| Therms Per Commercial Customer | 3,175 | 3,161 | 3,161 | 3,161 | 3,175 | 3,161 | 3,161 | 3,161 | 3,175 | 3,161 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 204 | 204 | 203 | 203 | 203 | 203 | 202 | 202 | 202 | 201 |
| Commercial Customers | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 249 | 249 | 249 | 248 | 248 | 248 | 247 | 247 | 247 | 246 |

| Hermiston | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.02% | 1.43% | 1.60% | 1.63% | 2.04% | 1.19% | 1.62% | 1.64% | 2.05% | 1.38% |
| Residential Therms | 3,183,382 | 3,242,031 | 3,315,419 | 3,390,524 | 3,482,550 | 3,544,902 | 3,624,775 | 3,706,569 | 3,806,433 | 3,874,144 |
| Commercial Therms | 3,422,708 | 3,448,643 | 3,486,072 | 3,525,742 | 3,578,611 | 3,603,842 | 3,643,384 | 3,684,403 | 3,740,474 | 3,766,652 |
| Industrial Therms | 224,294 | 237,474 | 237,477 | 237,477 | 238,303 | 237,444 | 237,440 | 237,474 | 238,303 | 251,470 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,830,384 | 6,928,148 | 7,038,969 | 7,153,744 | 7,299,464 | 7,386,188 | 7,505,598 | 7,628,446 | 7,785,210 | 7,892,266 |
| Daily Baseload Therms | 6,578 | 6,713 | 6,818 | 6,919 | 7,025 | 7,128 | 7,238 | 7,348 | 7,460 | 7,573 |
| Peak Day Therms | 75,749 | 77,061 | 78,173 | 79,308 | 80,516 | 81,700 | 82,956 | 84,236 | 85,540 | 86,867 |
| Therms Per Residential Customer | 646 | 644 | 644 | 644 | 646 | 643 | 643 | 643 | 646 | 643 |
| Therms Per Commercial Customer | 4,147 | 4,131 | 4,130 | 4,131 | 4,147 | 4,130 | 4,130 | 4,130 | 4,146 | 4,130 |
| Therms Per Industrial Customer | 28,037 | 27,938 | 27,939 | 27,939 | 28,036 | 27,935 | 27,934 | 27,938 | 28,036 | 27,941 |
| Residential Customers | 4,924 | 5,037 | 5,151 | 5,269 | 5,388 | 5,510 | 5,635 | 5,762 | 5,892 | 6,024 |
| Commercial Customers | 825 | 835 | 844 | 854 | 863 | 873 | 882 | 892 | 902 | 912 |
| Industrial Customers | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,758 | 5,880 | 6,004 | 6,131 | 6,260 | 6,392 | 6,526 | 6,663 | 6,803 | 6,945 |

| Huntington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.16% | 0.32% | 0.79% | 0.74% | 1.72% | 1.81% | 0.74% | 0.63% | 1.29% | 0.16% |
| Residential Therms | 63,902 | 64,378 | 65,145 | 65,873 | 67,013 | 67,493 | 68,216 | 68,864 | 70,017 | 70,360 |
| Commercial Therms | 32,865 | 32,702 | 32,702 | 32,702 | 33,255 | 34,587 | 34,622 | 34,626 | 34,807 | 34,626 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 96,767 | 97,080 | 97,847 | 98,576 | 100,268 | 102,079 | 102,838 | 103,491 | 104,823 | 104,986 |
| Daily Baseload Therms | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Peak Day Therms | 1,293 | 1,299 | 1,311 | 1,317 | 1,351 | 1,363 | 1,369 | 1,375 | 1,388 | 1,394 |
| Therms Per Residential Customer | 410 | 408 | 408 | 408 | 410 | 408 | 408 | 408 | 410 | 408 |
| Therms Per Commercial Customer | 1,933 | 1,924 | 1,924 | 1,924 | 1,947 | 1,939 | 1,923 | 1,924 | 1,934 | 1,924 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 156 | 158 | 160 | 161 | 163 | 165 | 167 | 169 | 171 | 172 |
| Commercial Customers | 17 | 17 | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 173 | 175 | 177 | 178 | 180 | 183 | 185 | 187 | 189 | 190 |

| La Pine | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.14% | 1.37% | 1.67% | 1.59% | 2.09% | 1.10% | 1.48% | 1.46% | 1.85% | 0.93% |
| Residential Therms | 183,495 | 187,029 | 191,292 | 195,519 | 200,774 | 204,093 | 208,542 | 212,995 | 218,324 | 221,840 |
| Commercial Therms | 449,975 | 455,111 | 461,573 | 467,701 | 476,337 | 480,468 | 486,142 | 491,841 | 499,580 | 502,713 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 633,470 | 642,140 | 652,865 | 663,220 | 677,111 | 684,561 | 694,684 | 704,836 | 717,904 | 724,553 |
| Daily Baseload Therms | 517 | 527 | 535 | 545 | 553 | 561 | 569 | 577 | 585 | 593 |
| Peak Day Therms | 6,520 | 6,620 | 6,728 | 6,836 | 6,937 | 7,015 | 7,123 | 7,231 | 7,309 | 7,416 |
| Therms Per Residential Customer | 630 | 627 | 628 | 628 | 630 | 627 | 627 | 628 | 630 | 628 |
| Therms Per Commercial Customer | 2,778 | 2,767 | 2,767 | 2,766 | 2,779 | 2,767 | 2,766 | 2,767 | 2,779 | 2,767 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 291 | 298 | 305 | 312 | 319 | 325 | 332 | 339 | 346 | 354 |
| Commercial Customers | 162 | 165 | 167 | 169 | 171 | 174 | 176 | 178 | 180 | 182 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 453 | 463 | 472 | 481 | 490 | 499 | 508 | 517 | 526 | 535 |

| Madras | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.11% | 1.33% | 1.79% | 1.80% | 2.31% | 1.96% | 2.78% | 1.91% | 2.39% | 1.44% |
| Residential Therms | 927,460 | 957,538 | 993,494 | 1,031,001 | 1,075,336 | 1,110,704 | 1,152,889 | 1,196,972 | 1,248,479 | 1,289,672 |
| Commercial Therms | 1,405,439 | 1,425,952 | 1,452,389 | 1,478,920 | 1,513,246 | 1,534,644 | 1,562,958 | 1,592,682 | 1,630,364 | 1,652,750 |
| Industrial Therms | 1,095,042 | 1,090,448 | 1,090,448 | 1,090,448 | 1,095,436 | 1,111,174 | 1,145,811 | 1,146,017 | 1,151,254 | 1,146,017 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 3,448,879 | 3,494,875 | 3,557,268 | 3,621,306 | 3,704,955 | 3,777,459 | 3,882,595 | 3,956,608 | 4,051,035 | 4,109,376 |
| Daily Baseload Therms | 2,751 | 2,797 | 2,848 | 2,902 | 2,954 | 3,011 | 3,102 | 3,161 | 3,223 | 3,284 |
| Peak Day Therms | 37,000 | 38,289 | 38,941 | 39,644 | 40,360 | 41,133 | 41,925 | 42,703 | 43,565 | 44,407 |
| Therms Per Residential Customer | 539 | 537 | 537 | 537 | 539 | 536 | 536 | 536 | 539 | 536 |
| Therms Per Commercial Customer | 2,953 | 2,941 | 2,941 | 2,940 | 2,954 | 2,939 | 2,940 | 2,940 | 2,953 | 2,940 |
| Therms Per Industrial Customer | 54,752 | 54,522 | 54,522 | 54,522 | 54,772 | 54,648 | 54,562 | 54,572 | 54,822 | 54,572 |
| Residential Customers | 1,720 | 1,784 | 1,851 | 1,922 | 1,995 | 2,071 | 2,150 | 2,232 | 2,317 | 2,405 |
| Commercial Customers | 476 | 485 | 494 | 503 | 512 | 522 | 532 | 542 | 552 | 562 |
| Industrial Customers | 20 | 20 | 20 | 20 | 20 | 20 | 21 | 21 | 21 | 21 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,217 | 2,290 | 2,366 | 2,446 | 2,528 | 2,614 | 2,704 | 2,796 | 2,891 | 2,989 |

| Milton-Freewater | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.68% | 1.05% | 1.40% | 1.37% | 1.76% | 0.97% | 1.32% | 1.87% | 1.81% | 1.03% |
| Residential Therms | 133,291 | 135,786 | 138,799 | 142,034 | 145,789 | 148,407 | 151,681 | 155,158 | 159,318 | 162,183 |
| Commercial Therms | 330,492 | 333,256 | 337,217 | 340,857 | 345,967 | 348,532 | 352,162 | 356,083 | 361,586 | 364,498 |
| Industrial Therms | 27,519 | 27,421 | 27,419 | 27,419 | 27,543 | 27,407 | 27,409 | 29,953 | 30,078 | 29,953 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 491,302 | 496,463 | 503,435 | 510,310 | 519,300 | 524,346 | 531,253 | 541,194 | 550,981 | 556,634 |
| Daily Baseload Therms | 456 | 464 | 469 | 473 | 481 | 485 | 493 | 504 | 509 | 517 |
| Peak Day Therms | 5,847 | 5,919 | 5,985 | 6,064 | 6,136 | 6,209 | 6,287 | 6,422 | 6,500 | 6,579 |
| Therms Per Residential Customer | 434 | 433 | 432 | 433 | 435 | 432 | 432 | 432 | 434 | 432 |
| Therms Per Commercial Customer | 2,845 | 2,838 | 2,840 | 2,837 | 2,849 | 2,837 | 2,834 | 2,837 | 2,849 | 2,838 |
| Therms Per Industrial Customer | 5,003 | 4,986 | 4,985 | 4,985 | 5,008 | 4,983 | 4,983 | 4,992 | 5,013 | 4,992 |
| Residential Customers | 307 | 314 | 321 | 328 | 335 | 343 | 351 | 359 | 367 | 375 |
| Commercial Customers | 116 | 117 | 119 | 120 | 121 | 123 | 124 | 126 | 127 | 128 |
| Industrial Customers | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 429 | 437 | 445 | 454 | 462 | 472 | 481 | 490 | 500 | 510 |

| Mission Tap | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.29% | 1.46% | 1.02% | 1.64% | 2.06% | 0.77% | 1.77% | 0.95% | 2.06% | 1.30% |
| Residential Therms | 160,992 | 164,114 | 167,787 | 171,667 | 176,221 | 179,362 | 183,437 | 187,563 | 192,621 | 196,012 |
| Commercial Therms | 409,309 | 414,485 | 416,723 | 422,456 | 430,159 | 431,670 | 438,398 | 440,210 | 448,072 | 453,022 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 570,301 | 578,599 | 584,511 | 594,123 | 606,379 | 611,032 | 621,834 | 627,773 | 640,693 | 649,034 |
| Daily Baseload Therms | 548 | 559 | 563 | 574 | 585 | 589 | 600 | 604 | 616 | 628 |
| Peak Day Therms | 6,284 | 6,326 | 6,460 | 6,494 | 6,635 | 6,677 | 6,811 | 6,859 | 7,000 | 7,041 |
| Therms Per Residential Customer | 552 | 550 | 550 | 550 | 552 | 550 | 550 | 550 | 552 | 550 |
| Therms Per Commercial Customer | 8,013 | 7,971 | 7,963 | 7,971 | 8,003 | 7,982 | 7,971 | 7,968 | 8,001 | 7,971 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 291 | 298 | 305 | 312 | 319 | 326 | 334 | 341 | 349 | 357 |
| Commercial Customers | 51 | 52 | 52 | 53 | 54 | 54 | 55 | 55 | 56 | 57 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 343 | 350 | 357 | 365 | 373 | 380 | 389 | 396 | 405 | 413 |

| Nyssa-Ontario | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.54% | 1.24% | 2.09% | 1.54% | 2.41% | 1.21% | 1.82% | 1.55% | 2.15% | 1.07% |
| Residential Therms | 2,059,396 | 2,060,035 | 2,070,439 | 2,080,596 | 2,101,248 | 2,100,364 | 2,110,336 | 2,120,329 | 2,140,648 | 2,139,568 |
| Commercial Therms | 2,780,533 | 2,795,469 | 2,821,420 | 2,846,902 | 2,885,252 | 2,896,793 | 2,921,666 | 2,947,479 | 2,984,729 | 2,995,754 |
| Industrial Therms | 1,574,137 | 1,652,902 | 1,777,033 | 1,862,616 | 1,996,084 | 2,084,272 | 2,200,030 | 2,294,704 | 2,421,074 | 2,504,466 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 7,602,299 | 7,696,639 | 7,857,126 | 7,978,348 | 8,170,818 | 8,269,663 | 8,420,266 | 8,550,747 | 8,734,685 | 8,828,022 |
| Daily Baseload Therms | 8,782 | 9,087 | 9,254 | 9,558 | 9,725 | 10,027 | 10,332 | 10,496 | 10,800 | 10,964 |
| Peak Day Therms | 83,579 | 84,508 | 86,160 | 87,089 | 88,709 | 90,334 | 91,296 | 92,922 | 93,858 | 95,484 |
| Therms Per Residential Customer | 513 | 510 | 510 | 510 | 513 | 510 | 510 | 510 | 513 | 510 |
| Therms Per Commercial Customer | 2,621 | 2,611 | 2,611 | 2,610 | 2,622 | 2,610 | 2,610 | 2,611 | 2,622 | 2,610 |
| Therms Per Industrial Customer | 40,020 | 40,645 | 41,977 | 42,655 | 44,031 | 44,504 | 45,440 | 46,048 | 47,087 | 47,403 |
| Residential Customers | 4,017 | 4,037 | 4,058 | 4,078 | 4,098 | 4,118 | 4,138 | 4,157 | 4,176 | 4,195 |
| Commercial Customers | 1,061 | 1,071 | 1,081 | 1,091 | 1,100 | 1,110 | 1,120 | 1,129 | 1,139 | 1,148 |
| Industrial Customers | 39 | 41 | 42 | 44 | 45 | 47 | 48 | 50 | 51 | 53 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 5,118 | 5,150 | 5,182 | 5,214 | 5,245 | 5,276 | 5,307 | 5,337 | 5,367 | 5,397 |

| Pendleton | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.96% | 1.16% | 2.36% | 1.56% | 1.98% | 1.14% | 1.57% | 1.57% | 2.00% | 1.15% |
| Residential Therms | 3,780,141 | 3,849,491 | 3,936,588 | 4,025,781 | 4,134,957 | 4,209,266 | 4,304,074 | 4,401,014 | 4,519,407 | 4,600,047 |
| Commercial Therms | 2,874,985 | 2,895,957 | 2,928,230 | 2,961,065 | 3,006,013 | 3,026,816 | 3,060,756 | 3,094,376 | 3,142,109 | 3,163,572 |
| Industrial Therms | 268,095 | 265,367 | 326,362 | 326,362 | 329,327 | 326,227 | 326,210 | 326,346 | 329,327 | 326,362 |
| Ind., Inst., & Cmcl. Interrup. Therms | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 | 626,043 |
| Total Core Therms | 7,549,263 | 7,636,858 | 7,817,223 | 7,939,251 | 8,096,340 | 8,188,352 | 8,317,082 | 8,447,778 | 8,616,886 | 8,716,024 |
| Daily Baseload Therms | 6,459 | 6,542 | 6,825 | 6,910 | 6,996 | 7,087 | 7,175 | 7,265 | 7,359 | 7,454 |
| Peak Day Therms | 88,047 | 89,275 | 91,787 | 93,123 | 94,482 | 95,838 | 97,305 | 98,754 | 100,241 | 101,792 |
| Therms Per Residential Customer | 572 | 570 | 570 | 570 | 572 | 569 | 569 | 569 | 572 | 569 |
| Therms Per Commercial Customer | 3,249 | 3,236 | 3,236 | 3,236 | 3,249 | 3,235 | 3,235 | 3,236 | 3,249 | 3,235 |
| Therms Per Industrial Customer | 38,299 | 37,910 | 43,515 | 43,515 | 43,910 | 43,497 | 43,495 | 43,513 | 43,910 | 43,515 |
| Residential Customers | 6,607 | 6,758 | 6,911 | 7,069 | 7,229 | 7,393 | 7,561 | 7,731 | 7,905 | 8,082 |
| Commercial Customers | 885 | 895 | 905 | 915 | 925 | 936 | 946 | 956 | 967 | 978 |
| Industrial Customers | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 7,500 | 7,661 | 7,825 | 7,992 | 8,163 | 8,338 | 8,515 | 8,696 | 8,881 | 9,069 |

| Prineville | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.43% | 1.57% | 1.52% | 1.89% | 2.30% | 1.29% | 1.75% | 1.74% | 2.15% | 1.45% |
| Residential Therms | 1,650,128 | 1,673,101 | 1,702,689 | 1,732,081 | 1,769,468 | 1,789,500 | 1,818,239 | 1,847,474 | 1,884,761 | 1,903,999 |
| Commercial Therms | 2,068,389 | 2,100,944 | 2,141,117 | 2,181,503 | 2,231,672 | 2,260,204 | 2,299,529 | 2,338,834 | 2,388,789 | 2,430,950 |
| Industrial Therms | 806,195 | 821,525 | 821,525 | 839,782 | 861,740 | 875,999 | 894,249 | 912,806 | 935,080 | 949,318 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,524,712 | 4,595,571 | 4,665,332 | 4,753,365 | 4,862,881 | 4,925,704 | 5,012,017 | 5,099,114 | 5,208,630 | 5,284,267 |
| Daily Baseload Therms | 3,388 | 3,457 | 3,503 | 3,572 | 3,640 | 3,709 | 3,775 | 3,844 | 3,910 | 3,978 |
| Peak Day Therms | 44,897 | 45,615 | 46,295 | 47,049 | 47,761 | 48,516 | 49,228 | 49,982 | 50,736 | 51,448 |
| Therms Per Residential Customer | 513 | 511 | 511 | 510 | 513 | 510 | 510 | 510 | 513 | 510 |
| Therms Per Commercial Customer | 2,904 | 2,892 | 2,892 | 2,892 | 2,905 | 2,891 | 2,891 | 2,891 | 2,905 | 2,908 |
| Therms Per Industrial Customer | 18,323 | 18,256 | 18,256 | 18,256 | 18,335 | 18,250 | 18,250 | 18,256 | 18,335 | 18,256 |
| Residential Customers | 3,219 | 3,277 | 3,335 | 3,393 | 3,450 | 3,507 | 3,564 | 3,620 | 3,676 | 3,731 |
| Commercial Customers | 712 | 726 | 740 | 754 | 768 | 782 | 795 | 809 | 822 | 836 |
| Industrial Customers | 44 | 45 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,975 | 4,049 | 4,121 | 4,193 | 4,266 | 4,337 | 4,408 | 4,479 | 4,549 | 4,619 |

| Redmond | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.53% | 1.70% | 2.04% | 2.01% | 2.37% | 1.42% | 1.86% | 1.81% | 2.23% | 1.12% |
| Residential Therms | 6,031,770 | 6,142,668 | 6,280,928 | 6,420,429 | 6,591,220 | 6,701,857 | 6,844,955 | 6,989,635 | 7,167,467 | 7,281,017 |
| Commercial Therms | 4,203,573 | 4,250,670 | 4,310,848 | 4,370,838 | 4,447,676 | 4,482,204 | 4,538,193 | 4,589,720 | 4,661,972 | 4,691,051 |
| Industrial Therms | 1,412,259 | 1,452,787 | 1,495,793 | 1,539,139 | 1,584,083 | 1,617,794 | 1,657,239 | 1,696,975 | 1,742,450 | 1,752,298 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 11,647,602 | 11,846,125 | 12,087,569 | 12,330,406 | 12,622,979 | 12,801,854 | 13,040,387 | 13,276,330 | 13,571,889 | 13,724,367 |
| Daily Baseload Therms | 10,340 | 10,563 | 10,783 | 11,001 | 11,222 | 11,439 | 11,660 | 11,875 | 12,090 | 12,235 |
| Peak Day Therms | 125,789 | 128,018 | 130,619 | 133,251 | 135,493 | 138,072 | 140,386 | 142,954 | 145,505 | 147,789 |
| Therms Per Residential Customer | 625 | 622 | 622 | 622 | 625 | 622 | 622 | 622 | 625 | 622 |
| Therms Per Commercial Customer | 2,858 | 2,847 | 2,847 | 2,847 | 2,859 | 2,846 | 2,846 | 2,846 | 2,859 | 2,846 |
| Therms Per Industrial Customer | 39,504 | 39,353 | 39,363 | 39,381 | 39,520 | 39,378 | 39,380 | 39,388 | 39,526 | 39,377 |
| Residential Customers | 9,652 | 9,871 | 10,094 | 10,318 | 10,544 | 10,772 | 11,002 | 11,233 | 11,467 | 11,702 |
| Commercial Customers | 1,471 | 1,493 | 1,514 | 1,536 | 1,556 | 1,575 | 1,595 | 1,613 | 1,631 | 1,648 |
| Industrial Customers | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 11,158 | 11,402 | 11,646 | 11,893 | 12,140 | 12,388 | 12,639 | 12,889 | 13,141 | 13,394 |

| Stanfield | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.36% | 1.47% | 1.99% | 1.84% | 2.58% | 1.33% | 2.09% | 1.90% | 2.43% | 1.50% |
| Residential Therms | 207,833 | 211,600 | 216,355 | 221,209 | 227,380 | 231,287 | 236,622 | 241,894 | 248,395 | 252,886 |
| Commercial Therms | 78,641 | 79,093 | 80,122 | 80,731 | 82,356 | 82,580 | 83,820 | 84,640 | 86,071 | 86,604 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 286,474 | 290,694 | 296,477 | 301,940 | 309,736 | 313,867 | 320,442 | 326,534 | 334,466 | 339,490 |
| Daily Baseload Therms | 180 | 183 | 187 | 190 | 195 | 197 | 202 | 205 | 209 | 213 |
| Peak Day Therms | 3,512 | 3,589 | 3,641 | 3,694 | 3,777 | 3,836 | 3,925 | 3,984 | 4,050 | 4,139 |
| Therms Per Residential Customer | 493 | 491 | 491 | 491 | 493 | 491 | 491 | 491 | 493 | 490 |
| Therms Per Commercial Customer | 1,850 | 1,839 | 1,842 | 1,838 | 1,851 | 1,839 | 1,842 | 1,840 | 1,851 | 1,839 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 421 | 431 | 441 | 451 | 461 | 472 | 482 | 493 | 504 | 516 |
| Commercial Customers | 43 | 43 | 44 | 44 | 45 | 45 | 46 | 46 | 47 | 47 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 464 | 474 | 484 | 495 | 506 | 516 | 528 | 539 | 551 | 563 |

| Stearns (Sunriver) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.52% | 1.75% | 2.11% | 2.07% | 2.42% | 1.57% | 1.97% | 1.90% | 2.32% | 1.43% |
| Residential Therms | 4,963,666 | 5,054,227 | 5,168,314 | 5,283,416 | 5,423,107 | 5,516,557 | 5,634,148 | 5,752,723 | 5,898,439 | 5,993,357 |
| Commercial Therms | 1,357,333 | 1,373,293 | 1,393,483 | 1,412,472 | 1,435,870 | 1,448,715 | 1,465,553 | 1,483,225 | 1,504,197 | 1,515,923 |
| Industrial Therms | 109,692 | 115,444 | 119,466 | 123,376 | 125,161 | 128,554 | 133,581 | 134,888 | 139,223 | 140,205 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,430,691 | 6,542,964 | 6,681,263 | 6,819,264 | 6,984,138 | 7,093,825 | 7,233,282 | 7,370,836 | 7,541,859 | 7,649,485 |
| Daily Baseload Therms | 6,921 | 7,050 | 7,221 | 7,351 | 7,483 | 7,615 | 7,738 | 7,914 | 8,038 | 8,173 |
| Peak Day Therms | 62,361 | 63,679 | 65,151 | 66,491 | 67,841 | 69,203 | 70,576 | 71,948 | 73,342 | 74,737 |
| Therms Per Residential Customer | 992 | 988 | 988 | 988 | 992 | 988 | 988 | 988 | 992 | 988 |
| Therms Per Commercial Customer | 4,765 | 4,749 | 4,749 | 4,749 | 4,765 | 4,749 | 4,749 | 4,749 | 4,765 | 4,748 |
| Therms Per Industrial Customer | 15,486 | 15,393 | 15,415 | 15,422 | 15,484 | 15,426 | 15,413 | 15,416 | 15,469 | 15,435 |
| Residential Customers | 5,003 | 5,117 | 5,233 | 5,349 | 5,467 | 5,585 | 5,704 | 5,825 | 5,946 | 6,068 |
| Commercial Customers | 285 | 289 | 293 | 297 | 301 | 305 | 309 | 312 | 316 | 319 |
| Industrial Customers | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5,295 | 5,414 | 5,534 | 5,655 | 5,776 | 5,899 | 6,022 | 6,146 | 6,271 | 6,397 |

| Pronghorn | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.99% | 1.68% | 1.22% | 2.47% | 2.61% | 0.77% | 1.51% | 1.88% | 1.43% | 1.06% |
| Residential Therms | 463,901 | 471,249 | 480,616 | 490,088 | 501,086 | 508,383 | 517,926 | 527,338 | 538,447 | 545,756 |
| Commercial Therms | 292,671 | 298,017 | 298,017 | 307,788 | 317,579 | 316,558 | 319,483 | 325,795 | 326,869 | 328,721 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 756,572 | 769,266 | 778,633 | 797,876 | 818,664 | 824,941 | 837,409 | 853,133 | 865,316 | 874,477 |
| Daily Baseload Therms | 1,130 | 1,159 | 1,170 | 1,185 | 1,230 | 1,243 | 1,256 | 1,285 | 1,296 | 1,309 |
| Peak Day Therms | 7,132 | 7,298 | 7,383 | 7,549 | 7,634 | 7,801 | 7,885 | 7,987 | 8,154 | 8,255 |
| Therms Per Residential Customer | 1,603 | 1,597 | 1,597 | 1,597 | 1,603 | 1,597 | 1,597 | 1,597 | 1,603 | 1,597 |
| Therms Per Commercial Customer | 9,316 | 9,265 | 9,265 | 9,280 | 9,295 | 9,265 | 9,283 | 9,264 | 9,295 | 9,282 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 289 | 295 | 301 | 307 | 313 | 318 | 324 | 330 | 336 | 342 |
| Commercial Customers | 31 | 32 | 32 | 33 | 34 | 34 | 34 | 35 | 35 | 35 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 321 | 327 | 333 | 340 | 347 | 353 | 359 | 365 | 371 | 377 |

| Bend Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.50% | 1.62% | 2.01% | 1.97% | 2.37% | 1.44% | 1.84% | 1.83% | 2.22% | 1.32% |
| Residential Therms | 29,996,478 | 30,549,440 | 31,239,518 | 31,935,053 | 32,779,940 | 33,340,314 | 34,052,568 | 34,772,892 | 35,653,120 | 36,226,345 |
| Commercial Therms | 14,708,608 | 14,868,257 | 15,081,711 | 15,288,230 | 15,555,326 | 15,681,831 | 15,869,905 | 16,052,719 | 16,299,308 | 16,401,822 |
| Industrial Therms | 1,195,452 | 1,227,213 | 1,262,471 | 1,296,243 | 1,335,391 | 1,364,281 | 1,392,083 | 1,427,730 | 1,461,128 | 1,489,562 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 45,900,538 | 46,644,910 | 47,583,699 | 48,519,525 | 49,670,657 | 50,386,425 | 51,314,556 | 52,253,342 | 53,413,556 | 54,117,729 |
| Daily Baseload Therms | 39,034 | 39,797 | 40,596 | 41,356 | 42,149 | 42,906 | 43,695 | 44,449 | 45,232 | 45,984 |
| Peak Day Therms | 470,178 | 479,603 | 489,076 | 498,575 | 508,041 | 517,535 | 526,995 | 536,490 | 546,013 | 555,503 |
| Therms Per Residential Customer | 761 | 758 | 758 | 758 | 761 | 758 | 758 | 758 | 761 | 758 |
| Therms Per Commercial Customer | 2,804 | 2,792 | 2,792 | 2,792 | 2,804 | 2,792 | 2,792 | 2,792 | 2,804 | 2,792 |
| Therms Per Industrial Customer | 22,036 | 21,980 | 21,956 | 21,970 | 22,042 | 21,975 | 21,951 | 21,965 | 22,055 | 21,959 |
| Residential Customers | 39,420 | 40,318 | 41,229 | 42,147 | 43,072 | 44,005 | 44,946 | 45,893 | 46,849 | 47,812 |
| Commercial Customers | 5,246 | 5,325 | 5,401 | 5,475 | 5,547 | 5,617 | 5,684 | 5,749 | 5,813 | 5,874 |
| Industrial Customers | 54 | 56 | 58 | 59 | 61 | 62 | 63 | 65 | 66 | 68 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 44,720 | 45,698 | 46,687 | 47,681 | 48,680 | 49,684 | 50,693 | 51,708 | 52,728 | 53,754 |

| McCleary (Aberdeen/Hoquiam) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.72% | 0.04% | 0.38% | 0.39% | 0.79% | -0.02% | 0.41% | 0.43% | 0.81% | 0.01% |
| Residential Therms | 2,749,874 | 2,760,471 | 2,780,895 | 2,801,827 | 2,834,632 | 2,843,299 | 2,864,386 | 2,886,804 | 2,920,785 | 2,930,580 |
| Commercial Therms | 3,393,698 | 3,387,252 | 3,392,091 | 3,396,725 | 3,414,856 | 3,406,235 | 3,412,399 | 3,418,721 | 3,437,601 | 3,429,878 |
| Industrial Therms | 439,134 | 437,822 | 437,822 | 437,822 | 439,397 | 437,690 | 437,690 | 437,822 | 439,397 | 437,822 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,582,706 | 6,585,545 | 6,610,808 | 6,636,373 | 6,688,886 | 6,687,224 | 6,714,475 | 6,743,347 | 6,797,783 | 6,798,280 |
| Daily Baseload Therms | 7,205 | 7,225 | 7,251 | 7,271 | 7,291 | 7,311 | 7,331 | 7,357 | 7,378 | 7,399 |
| Peak Day Therms | 57,182 | 57,256 | 57,344 | 57,433 | 57,521 | 57,665 | 57,767 | 57,911 | 58,021 | 58,179 |
| Therms Per Residential Customer | 705 | 702 | 702 | 702 | 705 | 702 | 702 | 702 | 705 | 702 |
| Therms Per Commercial Customer | 4,460 | 4,445 | 4,445 | 4,445 | 4,461 | 4,443 | 4,444 | 4,445 | 4,462 | 4,445 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,902 | 3,931 | 3,960 | 3,990 | 4,020 | 4,051 | 4,081 | 4,112 | 4,143 | 4,174 |
| Commercial Customers | 761 | 762 | 763 | 764 | 765 | 767 | 768 | 769 | 771 | 772 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,680 | 4,710 | 4,741 | 4,772 | 4,803 | 4,834 | 4,866 | 4,898 | 4,931 | 4,963 |

| Acme | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 3.62% | 0.45% | 0.87% | 3.29% | 2.35% | 0.38% | 1.43% | 3.63% | 1.20% | 0.94% |
| Residential Therms | 60,644 | 61,272 | 62,181 | 63,052 | 64,423 | 65,038 | 66,061 | 67,149 | 68,354 | 69,094 |
| Commercial Therms | 43,166 | 43,004 | 43,004 | 45,593 | 46,777 | 46,581 | 47,155 | 50,172 | 50,376 | 50,747 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 103,810 | 104,277 | 105,186 | 108,645 | 111,201 | 111,618 | 113,216 | 117,321 | 118,730 | 119,841 |
| Daily Baseload Therms | 68 | 69 | 69 | 72 | 73 | 73 | 74 | 77 | 78 | 78 |
| Peak Day Therms | 933 | 939 | 982 | 989 | 996 | 1,010 | 1,052 | 1,059 | 1,066 | 1,115 |
| Therms Per Residential Customer | 764 | 760 | 759 | 760 | 763 | 759 | 759 | 760 | 762 | 759 |
| Therms Per Commercial Customer | 3,597 | 3,584 | 3,584 | 3,553 | 3,598 | 3,583 | 3,604 | 3,584 | 3,598 | 3,603 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 79 | 81 | 82 | 83 | 84 | 86 | 87 | 88 | 90 | 91 |
| Commercial Customers | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 91 | 93 | 94 | 96 | 97 | 99 | 100 | 102 | 104 | 105 |

| Arlington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.52% | 1.75% | 2.11% | 2.06% | 2.46% | 1.64% | 1.99% | 2.03% | 2.36% | 1.32% |
| Residential Therms | 4,220,193 | 4,291,061 | 4,379,107 | 4,468,889 | 4,578,500 | 4,652,978 | 4,747,790 | 4,845,211 | 4,963,393 | 5,020,655 |
| Commercial Therms | 2,400,587 | 2,432,564 | 2,473,019 | 2,512,594 | 2,562,401 | 2,592,662 | 2,631,484 | 2,671,629 | 2,721,261 | 2,750,099 |
| Industrial Therms | 735,932 | 761,770 | 790,847 | 819,202 | 851,447 | 877,817 | 906,092 | 936,452 | 968,236 | 995,978 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 7,356,712 | 7,485,394 | 7,642,973 | 7,800,684 | 7,992,347 | 8,123,457 | 8,285,366 | 8,453,293 | 8,652,889 | 8,766,732 |
| Daily Baseload Therms | 7,151 | 7,317 | 7,468 | 7,636 | 7,789 | 7,956 | 8,114 | 8,287 | 8,443 | 8,620 |
| Peak Day Therms | 72,105 | 73,561 | 75,032 | 76,525 | 78,033 | 79,564 | 81,239 | 82,776 | 84,367 | 85,980 |
| Therms Per Residential Customer | 712 | 709 | 709 | 709 | 712 | 709 | 709 | 709 | 712 | 708 |
| Therms Per Commercial Customer | 3,155 | 3,143 | 3,143 | 3,143 | 3,155 | 3,142 | 3,142 | 3,142 | 3,154 | 3,142 |
| Therms Per Industrial Customer | 11,514 | 11,470 | 11,475 | 11,471 | 11,519 | 11,475 | 11,470 | 11,478 | 11,515 | 11,481 |
| Residential Customers | 5,927 | 6,049 | 6,173 | 6,300 | 6,429 | 6,560 | 6,694 | 6,830 | 6,969 | 7,094 |
| Commercial Customers | 761 | 774 | 787 | 800 | 812 | 825 | 838 | 850 | 863 | 875 |
| Industrial Customers | 64 | 66 | 69 | 71 | 74 | 77 | 79 | 82 | 84 | 87 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 6,752 | 6,889 | 7,029 | 7,170 | 7,315 | 7,462 | 7,610 | 7,762 | 7,916 | 8,056 |

| Bremerton (Shelton) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.96% | 1.18% | 1.84% | 1.59% | 1.97% | 1.16% | 1.56% | 1.57% | 1.97% | 1.16% |
| Residential Therms | 26,032,041 | 26,331,353 | 26,740,779 | 27,155,097 | 27,688,960 | 27,999,102 | 28,429,699 | 28,867,098 | 29,430,295 | 29,756,472 |
| Commercial Therms | 14,044,374 | 14,241,647 | 14,495,115 | 14,755,141 | 15,079,486 | 15,290,338 | 15,564,888 | 15,846,495 | 16,195,890 | 16,425,661 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 41,844,013 | 42,336,718 | 43,114,757 | 43,799,937 | 44,662,301 | 45,179,138 | 45,884,287 | 46,603,291 | 47,520,040 | 48,071,831 |
| Daily Baseload Therms | 39,083 | 39,666 | 40,550 | 41,153 | 41,768 | 42,388 | 43,020 | 43,665 | 44,317 | 44,982 |
| Peak Day Therms | 383,387 | 389,092 | 394,981 | 400,964 | 407,083 | 413,947 | 420,332 | 426,866 | 433,558 | 440,295 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,744 | 3,730 | 3,730 | 3,730 | 3,744 | 3,730 | 3,729 | 3,729 | 3,744 | 3,729 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 38,804 | 39,410 | 40,023 | 40,644 | 41,274 | 41,911 | 42,557 | 43,211 | 43,873 | 44,544 |
| Commercial Customers | 3,751 | 3,818 | 3,886 | 3,956 | 4,027 | 4,100 | 4,174 | 4,249 | 4,326 | 4,404 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 42,571 | 43,244 | 43,927 | 44,618 | 45,318 | 46,028 | 46,747 | 47,477 | 48,216 | 48,965 |

| Castle Rock | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.18% | 1.51% | 1.72% | 1.76% | 2.25% | 1.44% | 1.86% | 1.72% | 1.92% | 1.13% |
| Residential Therms | 49,627 | 50,516 | 51,569 | 52,598 | 53,868 | 54,807 | 55,837 | 56,933 | 58,223 | 58,992 |
| Commercial Therms | 168,025 | 170,428 | 173,175 | 176,093 | 179,977 | 182,405 | 185,792 | 188,856 | 192,290 | 194,350 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 217,652 | 220,944 | 224,744 | 228,691 | 233,845 | 237,212 | 241,629 | 245,789 | 250,513 | 253,342 |
| Daily Baseload Therms | 277 | 282 | 286 | 291 | 300 | 305 | 310 | 315 | 320 | 324 |
| Peak Day Therms | 1,640 | 1,672 | 1,698 | 1,730 | 1,757 | 1,789 | 1,820 | 1,847 | 1,879 | 1,905 |
| Therms Per Residential Customer | 522 | 520 | 520 | 520 | 522 | 520 | 520 | 520 | 523 | 520 |
| Therms Per Commercial Customer | 2,773 | 2,764 | 2,763 | 2,762 | 2,772 | 2,764 | 2,763 | 2,760 | 2,770 | 2,760 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 95 | 97 | 99 | 101 | 103 | 105 | 107 | 109 | 111 | 113 |
| Commercial Customers | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 156 | 159 | 162 | 165 | 168 | 171 | 175 | 178 | 181 | 184 |

| Walla Walla | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.90% | 1.29% | 1.28% | 1.68% | 0.84% | 1.25% | 1.26% | 1.65% | 0.82% |
| Residential Therms | 7,974,414 | 8,061,669 | 8,181,291 | 8,301,356 | 8,456,729 | 8,541,321 | 8,662,083 | 8,783,648 | 8,942,359 | 9,026,826 |
| Commercial Therms | 5,047,340 | 5,099,253 | 5,171,900 | 5,245,578 | 5,342,353 | 5,394,604 | 5,470,259 | 5,548,085 | 5,648,954 | 5,704,211 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 14,778,102 | 14,911,807 | 15,104,076 | 15,297,818 | 15,555,431 | 15,686,811 | 15,883,227 | 16,082,618 | 16,347,661 | 16,481,922 |
| Daily Baseload Therms | 12,155 | 12,303 | 12,448 | 12,596 | 12,745 | 12,894 | 13,046 | 13,197 | 13,350 | 13,502 |
| Peak Day Therms | 185,561 | 187,657 | 189,761 | 191,923 | 194,101 | 196,337 | 198,548 | 200,851 | 203,120 | 205,446 |
| Therms Per Residential Customer | 579 | 577 | 577 | 577 | 579 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,257 | 3,244 | 3,244 | 3,244 | 3,257 | 3,243 | 3,243 | 3,243 | 3,257 | 3,243 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 13,763 | 13,971 | 14,179 | 14,388 | 14,597 | 14,806 | 15,016 | 15,227 | 15,438 | 15,650 |
| Commercial Customers | 1,550 | 1,572 | 1,594 | 1,617 | 1,640 | 1,663 | 1,687 | 1,711 | 1,735 | 1,759 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 15,331 | 15,561 | 15,792 | 16,023 | 16,255 | 16,488 | 16,721 | 16,955 | 17,190 | 17,427 |

| Deming | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.83% | 0.79% | 2.20% | 2.54% | 1.36% | 2.52% | 2.28% | 2.19% | 3.44% | 1.66% |
| Residential Therms | 16,079 | 16,466 | 16,476 | 16,841 | 17,086 | 17,191 | 17,526 | 17,841 | 18,155 | 18,595 |
| Commercial Therms | 164,850 | 165,897 | 169,906 | 174,277 | 176,638 | 181,411 | 185,612 | 189,754 | 196,575 | 199,693 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 180,929 | 182,364 | 186,382 | 191,118 | 193,724 | 198,602 | 203,137 | 207,595 | 214,730 | 218,288 |
| Daily Baseload Therms | 129 | 129 | 129 | 137 | 137 | 145 | 145 | 145 | 153 | 153 |
| Peak Day Therms | 1,765 | 1,771 | 1,878 | 1,883 | 1,883 | 1,996 | 1,996 | 2,002 | 2,108 | 2,114 |
| Therms Per Residential Customer | 536 | 534 | 533 | 532 | 535 | 532 | 532 | 531 | 535 | 534 |
| Therms Per Commercial Customer | 10,093 | 10,105 | 10,194 | 10,054 | 10,142 | 10,032 | 10,078 | 10,165 | 10,124 | 10,154 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 30 | 31 | 31 | 32 | 32 | 32 | 33 | 34 | 34 | 35 |
| Commercial Customers | 16 | 16 | 17 | 17 | 17 | 18 | 18 | 19 | 19 | 20 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 46 | 47 | 48 | 49 | 49 | 50 | 51 | 52 | 53 | 55 |

| Wenatchee | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.60% | -0.52% | -0.05% | 0.17% | 0.03% | -0.39% | 0.16% | -0.26% | 0.02% | -0.05% |
| Residential Therms | 644,977 | 640,864 | 638,526 | 635,908 | 635,425 | 630,292 | 627,319 | 624,428 | 623,418 | 617,892 |
| Commercial Therms | 3,458,634 | 3,439,310 | 3,429,192 | 3,424,133 | 3,424,638 | 3,403,153 | 3,398,100 | 3,388,730 | 3,389,117 | 3,368,496 |
| Industrial Therms | 615,635 | 614,390 | 624,440 | 639,990 | 641,577 | 649,894 | 665,438 | 665,589 | 667,240 | 691,189 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 4,719,246 | 4,694,564 | 4,692,158 | 4,700,031 | 4,701,640 | 4,683,340 | 4,690,856 | 4,678,747 | 4,679,776 | 4,677,576 |
| Daily Baseload Therms | 9,823 | 9,797 | 9,770 | 9,807 | 9,780 | 9,753 | 9,789 | 9,761 | 9,734 | 9,758 |
| Peak Day Therms | 36,002 | 35,709 | 35,371 | 35,028 | 34,780 | 34,442 | 34,099 | 33,761 | 33,468 | 33,125 |
| Therms Per Residential Customer | 448 | 447 | 447 | 447 | 448 | 447 | 447 | 447 | 448 | 447 |
| Therms Per Commercial Customer | 5,078 | 5,065 | 5,065 | 5,065 | 5,080 | 5,064 | 5,064 | 5,065 | 5,081 | 5,065 |
| Therms Per Industrial Customer | 25,651 | 25,600 | 25,662 | 25,600 | 25,663 | 25,654 | 25,594 | 25,600 | 25,663 | 25,600 |
| Residential Customers | 1,439 | 1,434 | 1,429 | 1,423 | 1,417 | 1,411 | 1,404 | 1,397 | 1,390 | 1,383 |
| Commercial Customers | 681 | 679 | 677 | 676 | 674 | 672 | 671 | 669 | 667 | 665 |
| Industrial Customers | 24 | 24 | 24 | 25 | 25 | 25 | 26 | 26 | 26 | 27 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,144 | 2,137 | 2,130 | 2,124 | 2,116 | 2,108 | 2,101 | 2,092 | 2,083 | 2,075 |

| Finley | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.85% | 0.87% | 2.95% | 2.21% | 3.32% | -0.14% | 2.10% | 2.69% | 0.94% | 1.65% |
| Residential Therms | 21,841 | 22,305 | 22,862 | 23,406 | 24,135 | 24,559 | 25,114 | 25,676 | 26,355 | 26,887 |
| Commercial Therms | 122,282 | 123,064 | 126,801 | 129,557 | 133,905 | 133,253 | 136,006 | 139,772 | 140,643 | 142,867 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 144,122 | 145,370 | 149,663 | 152,963 | 158,040 | 157,811 | 161,120 | 165,448 | 166,998 | 169,754 |
| Daily Baseload Therms | 63 | 64 | 64 | 67 | 67 | 67 | 71 | 71 | 74 | 74 |
| Peak Day Therms | 1,773 | 1,780 | 1,787 | 1,884 | 1,884 | 1,890 | 1,987 | 1,994 | 2,001 | 2,097 |
| Therms Per Residential Customer | 569 | 566 | 566 | 566 | 569 | 567 | 566 | 566 | 569 | 567 |
| Therms Per Commercial Customer | 6,551 | 6,563 | 6,559 | 6,560 | 6,585 | 6,553 | 6,555 | 6,552 | 6,542 | 6,519 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
| Commercial Customers | 19 | 19 | 19 | 20 | 20 | 20 | 21 | 21 | 22 | 22 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 57 | 58 | 60 | 61 | 63 | 64 | 65 | 67 | 68 | 69 |

| Grandview | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.32% | 1.00% | 1.33% | 1.34% | 2.36% | 0.91% | 1.29% | 1.32% | 2.37% | 0.91% |
| Residential Therms | 792,849 | 800,311 | 811,003 | 821,663 | 835,743 | 843,158 | 854,197 | 865,510 | 880,211 | 888,056 |
| Commercial Therms | 958,316 | 970,643 | 985,868 | 1,000,529 | 1,020,499 | 1,032,197 | 1,047,832 | 1,064,168 | 1,085,178 | 1,097,776 |
| Industrial Therms | 185,019 | 184,571 | 184,571 | 185,846 | 199,252 | 198,768 | 198,768 | 198,768 | 213,484 | 212,966 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,936,185 | 1,955,525 | 1,981,442 | 2,008,037 | 2,055,494 | 2,074,123 | 2,100,798 | 2,128,447 | 2,178,873 | 2,198,799 |
| Daily Baseload Therms | 3,052 | 3,086 | 3,115 | 3,149 | 3,254 | 3,288 | 3,317 | 3,352 | 3,458 | 3,493 |
| Peak Day Therms | 15,286 | 15,473 | 15,660 | 15,848 | 16,099 | 16,328 | 16,522 | 16,751 | 16,950 | 17,244 |
| Therms Per Residential Customer | 688 | 686 | 686 | 685 | 688 | 685 | 685 | 685 | 688 | 685 |
| Therms Per Commercial Customer | 4,220 | 4,205 | 4,207 | 4,205 | 4,221 | 4,204 | 4,205 | 4,205 | 4,221 | 4,205 |
| Therms Per Industrial Customer | 14,232 | 14,198 | 14,198 | 14,205 | 14,232 | 14,198 | 14,198 | 14,198 | 14,232 | 14,198 |
| Residential Customers | 1,152 | 1,167 | 1,183 | 1,199 | 1,215 | 1,230 | 1,247 | 1,263 | 1,280 | 1,296 |
| Commercial Customers | 227 | 231 | 234 | 238 | 242 | 246 | 249 | 253 | 257 | 261 |
| Industrial Customers | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 15 | 15 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,392 | 1,411 | 1,430 | 1,450 | 1,470 | 1,490 | 1,510 | 1,530 | 1,552 | 1,572 |

| Zillah (Toppenish) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 1.45% | 1.60% | 1.45% | 2.13% | 0.83% | 1.64% | 1.76% | 1.66% | 1.26% |
| Residential Therms | 1,277,044 | 1,288,560 | 1,305,635 | 1,322,712 | 1,346,201 | 1,357,306 | 1,374,866 | 1,393,207 | 1,417,776 | 1,429,464 |
| Commercial Therms | 2,407,747 | 2,437,349 | 2,475,285 | 2,513,599 | 2,563,863 | 2,591,318 | 2,631,114 | 2,673,166 | 2,726,468 | 2,756,520 |
| Industrial Therms | 1,031,938 | 1,060,072 | 1,082,758 | 1,098,625 | 1,131,241 | 1,135,097 | 1,162,011 | 1,193,523 | 1,204,114 | 1,230,861 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 4,783,860 | 4,853,112 | 4,930,809 | 5,002,066 | 5,108,436 | 5,150,852 | 5,235,121 | 5,327,027 | 5,415,488 | 5,483,975 |
| Daily Baseload Therms | 5,110 | 5,219 | 5,269 | 5,378 | 5,487 | 5,542 | 5,651 | 5,765 | 5,819 | 5,929 |
| Peak Day Therms | 47,727 | 48,294 | 49,041 | 49,622 | 50,464 | 51,044 | 51,850 | 52,488 | 53,344 | 53,982 |
| Therms Per Residential Customer | 558 | 556 | 556 | 556 | 558 | 555 | 555 | 555 | 558 | 555 |
| Therms Per Commercial Customer | 3,860 | 3,847 | 3,847 | 3,846 | 3,863 | 3,844 | 3,844 | 3,845 | 3,861 | 3,845 |
| Therms Per Industrial Customer | 32,164 | 32,123 | 32,241 | 32,233 | 32,321 | 32,278 | 32,278 | 32,330 | 32,470 | 32,391 |
| Residential Customers | 2,289 | 2,319 | 2,350 | 2,381 | 2,412 | 2,444 | 2,476 | 2,509 | 2,542 | 2,575 |
| Commercial Customers | 624 | 634 | 644 | 654 | 664 | 674 | 684 | 695 | 706 | 717 |
| Industrial Customers | 32 | 33 | 34 | 34 | 35 | 35 | 36 | 37 | 37 | 38 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 2,945 | 2,986 | 3,028 | 3,069 | 3,112 | 3,154 | 3,198 | 3,242 | 3,286 | 3,331 |

| Kalama #2 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.37% | 0.87% | 1.15% | 1.10% | 1.45% | 0.78% | 1.10% | 1.09% | 1.55% | 0.76% |
| Residential Therms | 327,854 | 333,930 | 341,117 | 347,905 | 356,247 | 362,291 | 369,075 | 376,147 | 385,106 | 390,587 |
| Commercial Therms | 246,345 | 249,613 | 253,794 | 257,975 | 263,222 | 266,285 | 270,811 | 275,039 | 281,414 | 285,115 |
| Industrial Therms | 402,702 | 401,875 | 401,875 | 401,875 | 402,901 | 401,776 | 401,776 | 401,875 | 402,901 | 401,875 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 976,902 | 985,419 | 996,787 | 1,007,755 | 1,022,370 | 1,030,352 | 1,041,662 | 1,053,061 | 1,069,421 | 1,077,578 |
| Daily Baseload Therms | 2,207 | 2,225 | 2,242 | 2,261 | 2,277 | 2,294 | 2,312 | 2,329 | 2,347 | 2,371 |
| Peak Day Therms | 5,096 | 5,159 | 5,783 | 5,846 | 5,880 | 5,942 | 6,004 | 6,075 | 6,138 | 6,208 |
| Therms Per Residential Customer | 1,332 | 1,327 | 1,327 | 1,327 | 1,332 | 1,327 | 1,327 | 1,327 | 1,332 | 1,327 |
| Therms Per Commercial Customer | 4,205 | 4,189 | 4,189 | 4,189 | 4,206 | 4,188 | 4,188 | 4,188 | 4,211 | 4,193 |
| Therms Per Industrial Customer | 100,676 | 100,469 | 100,469 | 100,469 | 100,725 | 100,444 | 100,444 | 100,469 | 100,725 | 100,469 |
| Residential Customers | 246 | 252 | 257 | 262 | 267 | 273 | 278 | 283 | 289 | 294 |
| Commercial Customers | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 |
| Industrial Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 309 | 315 | 322 | 328 | 334 | 341 | 347 | 353 | 360 | 366 |

| Lawrence | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.65% | 1.73% | 1.48% | 2.63% | 1.51% | 2.01% | 1.34% | 1.97% | 2.34% | 1.31% |
| Residential Therms | 53,528 | 54,048 | 55,059 | 56,264 | 57,230 | 57,745 | 58,484 | 59,263 | 60,938 | 61,435 |
| Commercial Therms | 27,143 | 28,031 | 28,245 | 29,249 | 29,587 | 30,470 | 30,684 | 31,687 | 32,164 | 32,906 |
| Industrial Therms | 719 | 717 | 717 | 717 | 719 | 1,082 | 1,330 | 1,330 | 1,334 | 1,330 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 81,390 | 82,796 | 84,021 | 86,231 | 87,536 | 89,298 | 90,499 | 92,281 | 94,436 | 95,671 |
| Daily Baseload Therms | 54 | 56 | 57 | 58 | 58 | 60 | 60 | 62 | 63 | 64 |
| Peak Day Therms | 881 | 903 | 911 | 933 | 941 | 963 | 971 | 993 | 1,009 | 1,031 |
| Therms Per Residential Customer | 743 | 740 | 737 | 740 | 742 | 740 | 740 | 738 | 742 | 739 |
| Therms Per Commercial Customer | 1,229 | 1,219 | 1,224 | 1,219 | 1,229 | 1,219 | 1,223 | 1,219 | 1,218 | 1,219 |
| Therms Per Industrial Customer | 616 | 615 | 615 | 615 | 616 | 590 | 639 | 639 | 640 | 639 |
| Residential Customers | 72 | 73 | 75 | 76 | 77 | 78 | 79 | 80 | 82 | 83 |
| Commercial Customers | 22 | 23 | 23 | 24 | 24 | 25 | 25 | 26 | 26 | 27 |
| Industrial Customers | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 95 | 97 | 99 | 101 | 102 | 105 | 106 | 108 | 111 | 112 |

| Moxee (Beauchene) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.92% | 1.61% | 1.53% | 1.65% | 2.35% | 1.10% | 1.62% | 1.98% | 1.94% | 1.29% |
| Residential Therms | 1,092,615 | 1,093,619 | 1,098,482 | 1,103,624 | 1,113,270 | 1,113,482 | 1,118,894 | 1,124,603 | 1,135,062 | 1,135,885 |
| Commercial Therms | 3,515,629 | 3,574,806 | 3,651,382 | 3,730,314 | 3,826,078 | 3,888,268 | 3,970,078 | 4,055,564 | 4,160,715 | 4,231,855 |
| Industrial Therms | 991,774 | 1,021,664 | 1,027,432 | 1,038,754 | 1,071,388 | 1,075,097 | 1,086,401 | 1,117,656 | 1,123,966 | 1,134,746 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 5,600,019 | 5,690,088 | 5,777,295 | 5,872,693 | 6,010,735 | 6,076,847 | 6,175,374 | 6,297,823 | 6,419,744 | 6,502,486 |
| Daily Baseload Therms | 6,078 | 6,264 | 6,327 | 6,396 | 6,582 | 6,650 | 6,719 | 6,911 | 6,984 | 7,058 |
| Peak Day Therms | 15,272 | 15,427 | 15,589 | 15,941 | 16,103 | 16,272 | 16,441 | 16,793 | 16,969 | 17,138 |
| Therms Per Residential Customer | 615 | 613 | 613 | 612 | 615 | 612 | 612 | 612 | 615 | 612 |
| Therms Per Commercial Customer | 6,341 | 6,314 | 6,314 | 6,313 | 6,342 | 6,310 | 6,309 | 6,311 | 6,339 | 6,311 |
| Therms Per Industrial Customer | 48,776 | 49,435 | 49,120 | 48,692 | 49,449 | 49,054 | 48,645 | 49,308 | 49,225 | 48,632 |
| Residential Customers | 1,777 | 1,785 | 1,793 | 1,802 | 1,810 | 1,819 | 1,828 | 1,837 | 1,846 | 1,856 |
| Commercial Customers | 554 | 566 | 578 | 591 | 603 | 616 | 629 | 643 | 656 | 671 |
| Industrial Customers | 20 | 21 | 21 | 21 | 22 | 22 | 22 | 23 | 23 | 23 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,352 | 2,372 | 2,393 | 2,414 | 2,435 | 2,457 | 2,480 | 2,502 | 2,526 | 2,549 |

| Othello | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.17% | 0.13% | 1.85% | 0.42% | 2.08% | 0.00% | 1.72% | 0.38% | 0.72% | 1.28% |
| Residential Therms | 695,888 | 694,358 | 695,447 | 696,529 | 700,343 | 698,049 | 698,873 | 699,668 | 703,405 | 701,103 |
| Commercial Therms | 1,288,152 | 1,295,291 | 1,306,520 | 1,317,356 | 1,330,677 | 1,335,911 | 1,345,815 | 1,355,855 | 1,370,365 | 1,374,580 |
| Industrial Therms | 621,680 | 619,666 | 658,540 | 658,540 | 700,196 | 697,129 | 735,990 | 736,287 | 739,196 | 775,160 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 2,763,522 | 2,767,118 | 2,818,309 | 2,830,227 | 2,889,019 | 2,888,892 | 2,938,481 | 2,949,613 | 2,970,768 | 3,008,645 |
| Daily Baseload Therms | 3,637 | 3,651 | 3,746 | 3,756 | 3,851 | 3,865 | 3,956 | 3,969 | 3,979 | 4,074 |
| Peak Day Therms | 21,906 | 22,231 | 22,249 | 22,542 | 22,592 | 22,885 | 22,904 | 22,922 | 23,254 | 23,272 |
| Therms Per Residential Customer | 608 | 606 | 606 | 606 | 608 | 605 | 605 | 606 | 608 | 606 |
| Therms Per Commercial Customer | 3,756 | 3,746 | 3,746 | 3,747 | 3,758 | 3,745 | 3,744 | 3,746 | 3,759 | 3,746 |
| Therms Per Industrial Customer | 31,084 | 30,983 | 31,359 | 31,359 | 31,827 | 31,688 | 32,000 | 32,012 | 32,139 | 32,298 |
| Residential Customers | 1,145 | 1,147 | 1,148 | 1,150 | 1,152 | 1,153 | 1,154 | 1,155 | 1,157 | 1,158 |
| Commercial Customers | 343 | 346 | 349 | 352 | 354 | 357 | 359 | 362 | 365 | 367 |
| Industrial Customers | 20 | 20 | 21 | 21 | 22 | 22 | 23 | 23 | 23 | 24 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 1,509 | 1,513 | 1,519 | 1,524 | 1,529 | 1,533 | 1,538 | 1,541 | 1,545 | 1,550 |

| North Pasco | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.92% | 1.95% | 2.38% | 2.39% | 2.76% | 1.89% | 2.31% | 2.26% | 2.69% | 1.80% |
| Residential Therms | 3,725,177 | 3,810,939 | 3,915,963 | 4,022,143 | 4,148,994 | 4,241,275 | 4,353,249 | 4,467,228 | 4,603,746 | 4,701,384 |
| Commercial Therms | 2,547,779 | 2,587,609 | 2,638,761 | 2,692,746 | 2,755,170 | 2,796,272 | 2,850,772 | 2,903,081 | 2,968,718 | 3,010,173 |
| Industrial Therms | 160,267 | 160,004 | 160,004 | 160,004 | 160,238 | 160,019 | 160,019 | 160,004 | 160,238 | 160,004 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,433,223 | 6,558,552 | 6,714,729 | 6,874,893 | 7,064,401 | 7,197,566 | 7,364,040 | 7,530,313 | 7,732,701 | 7,871,561 |
| Daily Baseload Therms | 4,226 | 4,318 | 4,417 | 4,511 | 4,613 | 4,716 | 4,813 | 4,918 | 5,024 | 5,131 |
| Peak Day Therms | 86,377 | 88,471 | 90,603 | 92,624 | 94,795 | 97,023 | 99,252 | 101,408 | 103,694 | 106,433 |
| Therms Per Residential Customer | 1,340 | 1,334 | 1,334 | 1,334 | 1,339 | 1,334 | 1,334 | 1,333 | 1,339 | 1,333 |
| Therms Per Commercial Customer | 9,324 | 9,283 | 9,281 | 9,288 | 9,324 | 9,285 | 9,288 | 9,285 | 9,323 | 9,281 |
| Therms Per Industrial Customer | 53,422 | 53,335 | 53,335 | 53,335 | 53,413 | 53,340 | 53,340 | 53,335 | 53,413 | 53,335 |
| Residential Customers | 2,780 | 2,858 | 2,936 | 3,016 | 3,098 | 3,180 | 3,264 | 3,350 | 3,437 | 3,526 |
| Commercial Customers | 273 | 279 | 284 | 290 | 296 | 301 | 307 | 313 | 318 | 324 |
| Industrial Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 3,057 | 3,139 | 3,224 | 3,309 | 3,396 | 3,484 | 3,574 | 3,666 | 3,759 | 3,853 |

| Patterson | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.10% | -0.10% | 0.00% | 14.68% | 4.92% | -0.35% | 0.00% | 0.08% | 0.27% | -0.26% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 244,208 | 243,969 | 243,969 | 279,773 | 293,538 | 292,518 | 292,518 | 292,763 | 293,538 | 292,763 |
| Daily Baseload Therms | 476 | 571 | 571 | 571 | 571 | 571 | 571 | 571 | 571 | 571 |
| Peak Day Therms | 1,125 | 1,125 | 1,125 | 1,125 | 1,350 | 1,350 | 1,350 | 1,350 | 1,350 | 1,350 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 48,041 | 41,234 | 40,661 | 46,629 | 48,923 | 48,753 | 48,753 | 48,794 | 48,923 | 48,125 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

| Prosser | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.16% | 1.41% | 1.81% | 1.68% | 2.05% | 1.25% | 1.62% | 1.58% | 2.02% | 1.10% |
| Residential Therms | 387,875 | 396,426 | 406,771 | 416,774 | 428,746 | 437,019 | 447,023 | 457,122 | 469,395 | 477,184 |
| Commercial Therms | 616,814 | 627,046 | 640,091 | 652,114 | 666,548 | 676,362 | 688,654 | 700,617 | 716,174 | 725,404 |
| Industrial Therms | 267,495 | 266,626 | 266,626 | 266,626 | 267,594 | 266,576 | 266,576 | 266,626 | 267,594 | 266,626 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,272,184 | 1,290,098 | 1,313,488 | 1,335,514 | 1,362,888 | 1,379,958 | 1,402,253 | 1,424,364 | 1,453,163 | 1,469,213 |
| Daily Baseload Therms | 1,007 | 1,025 | 1,042 | 1,057 | 1,074 | 1,092 | 1,109 | 1,124 | 1,141 | 1,158 |
| Peak Day Therms | 11,922 | 12,169 | 12,381 | 12,593 | 13,134 | 13,345 | 13,557 | 13,804 | 14,023 | 14,234 |
| Therms Per Residential Customer | 566 | 563 | 563 | 563 | 566 | 563 | 563 | 563 | 566 | 563 |
| Therms Per Commercial Customer | 3,361 | 3,349 | 3,348 | 3,350 | 3,362 | 3,347 | 3,348 | 3,348 | 3,361 | 3,349 |
| Therms Per Industrial Customer | 33,437 | 33,328 | 33,328 | 33,328 | 33,449 | 33,322 | 33,322 | 33,328 | 33,449 | 33,328 |
| Residential Customers | 686 | 704 | 722 | 740 | 758 | 776 | 794 | 812 | 830 | 848 |
| Commercial Customers | 184 | 187 | 191 | 195 | 198 | 202 | 206 | 209 | 213 | 217 |
| Industrial Customers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 877 | 899 | 921 | 943 | 964 | 986 | 1,008 | 1,029 | 1,051 | 1,072 |

| Quincy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.81% | 1.18% | 1.40% | 1.59% | 1.95% | 1.13% | 1.50% | 1.54% | 2.05% | 1.21% |
| Residential Therms | 30,844 | 30,377 | 30,087 | 29,788 | 29,329 | 28,995 | 28,592 | 28,245 | 28,144 | 27,499 |
| Commercial Therms | 727,947 | 741,530 | 756,682 | 774,195 | 795,000 | 809,260 | 826,590 | 844,374 | 867,251 | 883,362 |
| Industrial Therms | 293,475 | 292,804 | 292,804 | 292,804 | 293,896 | 292,593 | 292,593 | 292,804 | 293,896 | 292,804 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,052,266 | 1,064,710 | 1,079,572 | 1,096,786 | 1,118,225 | 1,130,848 | 1,147,775 | 1,165,423 | 1,189,290 | 1,203,665 |
| Daily Baseload Therms | 1,613 | 1,641 | 1,668 | 1,697 | 1,724 | 1,767 | 1,794 | 1,822 | 1,864 | 1,892 |
| Peak Day Therms | 5,798 | 5,848 | 5,944 | 5,994 | 6,089 | 6,185 | 6,235 | 6,331 | 6,432 | 6,527 |
| Therms Per Residential Customer | 596 | 595 | 596 | 595 | 598 | 594 | 595 | 596 | 598 | 596 |
| Therms Per Commercial Customer | 8,126 | 8,104 | 8,100 | 8,100 | 8,133 | 8,093 | 8,097 | 8,100 | 8,124 | 8,098 |
| Therms Per Industrial Customer | 37,868 | 37,781 | 37,781 | 37,781 | 37,922 | 37,754 | 37,754 | 37,781 | 37,922 | 37,781 |
| Residential Customers | 52 | 51 | 51 | 50 | 49 | 49 | 48 | 47 | 47 | 46 |
| Commercial Customers | 90 | 92 | 93 | 96 | 98 | 100 | 102 | 104 | 107 | 109 |
| Industrial Customers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 149 | 150 | 152 | 153 | 155 | 157 | 158 | 159 | 162 | 163 |

| Sunnyside | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.82% | 1.36% | 1.31% | 1.81% | 1.67% | 1.36% | 1.30% | 1.51% | 2.01% | 0.86% |
| Residential Therms | 1,277,506 | 1,288,892 | 1,305,914 | 1,322,949 | 1,346,385 | 1,357,760 | 1,375,531 | 1,393,593 | 1,418,023 | 1,429,831 |
| Commercial Therms | 2,038,280 | 2,061,974 | 2,093,771 | 2,125,573 | 2,168,491 | 2,192,780 | 2,226,348 | 2,261,250 | 2,305,911 | 2,331,209 |
| Industrial Therms | 605,662 | 623,951 | 627,210 | 651,080 | 653,366 | 674,569 | 678,111 | 689,642 | 707,813 | 708,599 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 3,921,448 | 3,974,816 | 4,026,895 | 4,099,602 | 4,168,242 | 4,225,109 | 4,279,990 | 4,344,485 | 4,431,746 | 4,469,639 |
| Daily Baseload Therms | 3,593 | 3,686 | 3,722 | 3,815 | 3,854 | 3,947 | 3,986 | 4,025 | 4,122 | 4,161 |
| Peak Day Therms | 38,550 | 39,198 | 39,659 | 40,126 | 40,853 | 41,327 | 41,834 | 42,567 | 43,081 | 43,594 |
| Therms Per Residential Customer | 571 | 568 | 568 | 568 | 571 | 568 | 568 | 568 | 570 | 568 |
| Therms Per Commercial Customer | 3,181 | 3,168 | 3,168 | 3,167 | 3,181 | 3,167 | 3,167 | 3,167 | 3,180 | 3,167 |
| Therms Per Industrial Customer | 27,221 | 27,128 | 27,172 | 27,128 | 27,224 | 27,073 | 27,124 | 27,045 | 27,224 | 27,167 |
| Residential Customers | 2,238 | 2,268 | 2,298 | 2,328 | 2,359 | 2,390 | 2,422 | 2,454 | 2,486 | 2,518 |
| Commercial Customers | 641 | 651 | 661 | 671 | 682 | 692 | 703 | 714 | 725 | 736 |
| Industrial Customers | 22 | 23 | 23 | 24 | 24 | 25 | 25 | 26 | 26 | 26 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2,901 | 2,942 | 2,982 | 3,023 | 3,065 | 3,108 | 3,150 | 3,193 | 3,237 | 3,280 |

| Moses Lake | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.26% | -0.26% | 0.00% | 0.00% | 1.21% | 1.79% | 0.00% | 0.04% | 0.36% | -0.35% |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 53,102 | 52,920 | 52,920 | 52,920 | 55,271 | 60,453 | 60,453 | 60,480 | 60,741 | 60,480 |
| Industrial Therms | 193,615 | 193,147 | 193,156 | 193,165 | 193,788 | 193,065 | 193,065 | 193,147 | 193,797 | 193,165 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 246,717 | 246,067 | 246,076 | 246,085 | 249,059 | 253,518 | 253,518 | 253,626 | 254,538 | 253,645 |
| Daily Baseload Therms | 259 | 259 | 259 | 259 | 259 | 267 | 267 | 267 | 267 | 267 |
| Peak Day Therms | 32,650 | 33,100 | 33,612 | 34,117 | 34,628 | 35,201 | 35,768 | 36,341 | 36,975 | 37,609 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 7,586 | 7,560 | 7,560 | 7,560 | 7,712 | 7,557 | 7,557 | 7,560 | 7,593 | 7,560 |
| Therms Per Industrial Customer | 21,714 | 21,661 | 21,662 | 21,663 | 21,733 | 21,652 | 21,652 | 21,661 | 21,734 | 21,663 |
| Residential Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Customers | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |
| Industrial Customers | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 16 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17 | 17 |

| Woodland | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.67% | 1.10% | 1.36% | 2.87% | 1.72% | 0.85% | 1.33% | 1.37% | 3.10% | 0.92% |
| Residential Therms | 535,827 | 545,662 | 557,110 | 568,592 | 582,597 | 591,255 | 602,727 | 614,722 | 629,117 | 638,006 |
| Commercial Therms | 848,329 | 860,046 | 874,277 | 889,226 | 907,612 | 918,024 | 933,462 | 949,378 | 968,970 | 981,504 |
| Industrial Therms | 490,304 | 489,379 | 489,379 | 518,166 | 519,773 | 517,852 | 517,852 | 518,166 | 548,649 | 546,953 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,874,459 | 1,895,087 | 1,920,767 | 1,975,985 | 2,009,981 | 2,027,131 | 2,054,041 | 2,082,266 | 2,146,736 | 2,166,463 |
| Daily Baseload Therms | 2,499 | 2,524 | 2,552 | 2,643 | 2,668 | 2,697 | 2,721 | 2,746 | 2,842 | 2,871 |
| Peak Day Therms | 15,455 | 15,681 | 15,879 | 16,274 | 16,472 | 16,711 | 16,943 | 17,182 | 17,421 | 17,822 |
| Therms Per Residential Customer | 611 | 609 | 609 | 609 | 611 | 608 | 608 | 609 | 611 | 609 |
| Therms Per Commercial Customer | 3,444 | 3,433 | 3,433 | 3,433 | 3,448 | 3,431 | 3,431 | 3,434 | 3,447 | 3,433 |
| Therms Per Industrial Customer | 28,841 | 28,787 | 28,787 | 28,787 | 28,876 | 28,770 | 28,770 | 28,787 | 28,876 | 28,787 |
| Residential Customers | 877 | 897 | 915 | 934 | 953 | 972 | 991 | 1,010 | 1,029 | 1,048 |
| Commercial Customers | 246 | 251 | 255 | 259 | 263 | 268 | 272 | 277 | 281 | 286 |
| Industrial Customers | 17 | 17 | 17 | 18 | 18 | 18 | 18 | 18 | 19 | 19 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 1,141 | 1,164 | 1,187 | 1,211 | 1,234 | 1,258 | 1,281 | 1,305 | 1,329 | 1,353 |

| A/M Rendering | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.65% | 2.09% | 0.32% | 2.35% | 0.63% | 2.28% | 2.31% | 0.89% | 2.49% | 0.50% |
| Residential Therms | 536,218 | 547,536 | 549,306 | 562,335 | 565,910 | 578,903 | 591,931 | 593,701 | 608,678 | 611,760 |
| Commercial Therms | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 4,408 | 7,927 | 7,951 | 7,927 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 540,194 | 551,500 | 553,270 | 566,298 | 569,885 | 582,866 | 596,340 | 601,628 | 616,628 | 619,687 |
| Daily Baseload Therms | 997 | 1,025 | 1,025 | 1,052 | 1,052 | 1,080 | 1,107 | 1,117 | 1,144 | 1,172 |
| Peak Day Therms | 4,173 | 4,292 | 4,292 | 4,410 | 4,410 | 4,528 | 4,647 | 4,647 | 4,765 | 4,794 |
| Therms Per Residential Customer | 14,861 | 14,798 | 14,813 | 14,798 | 14,860 | 14,812 | 14,798 | 14,812 | 14,846 | 14,801 |
| Therms Per Commercial Customer | 3,975 | 3,964 | 3,964 | 3,964 | 3,975 | 3,964 | 4,069 | 3,964 | 3,975 | 3,964 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 36 | 37 | 37 | 38 | 38 | 39 | 40 | 40 | 41 | 41 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 37 | 38 | 38 | 39 | 39 | 40 | 41 | 42 | 43 | 43 |

| LDS Church | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 11.31% | -0.48% | 0.00% | 0.00% | 0.48% | -0.48% | 0.00% | 0.00% | 12.29% | 35.50% |
| Residential Therms | 3,903 | 3,884 | 3,884 | 3,884 | 3,903 | 3,884 | 3,884 | 3,884 | 3,903 | 3,884 |
| Commercial Therms | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 8,358 | 12,729 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 10,972 | 10,919 | 10,919 | 10,919 | 10,971 | 10,919 | 10,919 | 10,919 | 12,260 | 16,613 |
| Daily Baseload Therms | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Peak Day Therms | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| Therms Per Residential Customer | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 | 1,295 | 1,295 | 1,301 | 1,295 |
| Therms Per Commercial Customer | 7,069 | 7,035 | 7,035 | 7,035 | 7,069 | 7,035 | 7,035 | 7,035 | 7,715 | 7,638 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |

| Kalama #1 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.99% | -0.98% | 0.00% | 25.00% | 0.99% | -0.98% | 0.00% | 0.00% | 0.99% | -0.98% |
| Residential Therms | 1,360 | 1,347 | 1,347 | 1,683 | 1,700 | 1,683 | 1,683 | 1,683 | 1,700 | 1,683 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,360 | 1,347 | 1,347 | 1,683 | 1,700 | 1,683 | 1,683 | 1,683 | 1,700 | 1,683 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Therms Per Residential Customer | 340 | 337 | 330 | 337 | 340 | 337 | 337 | 337 | 340 | 337 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| Dehawn Dairy | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.95% | -0.94% | 0.00% | 39.05% | 8.90% | -0.94% | 0.00% | 0.00% | 0.95% | -0.94% |
| Residential Therms | 1,060 | 1,050 | 1,050 | 1,460 | 1,590 | 1,575 | 1,575 | 1,575 | 1,590 | 1,575 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 1,060 | 1,050 | 1,050 | 1,460 | 1,590 | 1,575 | 1,575 | 1,575 | 1,590 | 1,575 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 530 | 525 | 504 | 604 | 530 | 525 | 525 | 525 | 530 | 525 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |

| Yakima Chief Ranch | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! |
| Residential Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Commercial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Daily Baseload Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peak Day Therms | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Therms Per Residential Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Commercial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Commercial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |

| 7th Day School | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.56% | 0.52% | 4.32% | 1.15% | 7.35% | -0.55% | 0.00% | 3.61% | 1.73% | -0.55% |
| Residential Therms | 12,801 | 12,922 | 13,702 | 13,708 | 13,785 | 13,708 | 13,708 | 14,442 | 14,770 | 14,688 |
| Commercial Therms | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Industrial Therms | 1,503 | 1,495 | 1,495 | 1,704 | 3,006 | 2,991 | 2,991 | 2,991 | 3,006 | 2,991 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 17,945 | 18,038 | 18,818 | 19,034 | 20,433 | 20,320 | 20,320 | 21,053 | 21,417 | 21,300 |
| Daily Baseload Therms | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 10 | 10 |
| Peak Day Therms | 131 | 131 | 131 | 131 | 131 | 131 | 138 | 138 | 138 | 138 |
| Therms Per Residential Customer | 985 | 988 | 985 | 979 | 985 | 979 | 979 | 1,008 | 985 | 979 |
| Therms Per Commercial Customer | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 | 3,621 | 3,621 | 3,641 | 3,621 |
| Therms Per Industrial Customer | 1,503 | 1,495 | 1,495 | 1,573 | 1,503 | 1,495 | 1,495 | 1,495 | 1,503 | 1,495 |
| Residential Customers | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 |
| Commercial Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Industrial Customers | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 15 | 15 | 16 | 16 | 17 | 17 | 17 | 17 | 18 | 18 |

| Yakima Training Center | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.00% | 1.10% | 1.54% | 1.46% | 2.13% | 1.01% | 1.58% | 1.55% | 2.02% | 1.01% |
| Residential Therms | 5,433 | 5,540 | 5,588 | 5,647 | 5,795 | 5,801 | 5,922 | 5,946 | 6,045 | 6,125 |
| Commercial Therms | 439,301 | 444,088 | 450,977 | 457,564 | 467,286 | 472,052 | 479,475 | 486,984 | 496,855 | 501,829 |
| Industrial Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 444,735 | 449,628 | 456,565 | 463,212 | 473,081 | 477,853 | 485,397 | 492,931 | 502,900 | 507,955 |
| Daily Baseload Therms | 78 | 80 | 81 | 82 | 84 | 85 | 86 | 88 | 89 | 90 |
| Peak Day Therms | 4,640 | 4,721 | 4,762 | 4,845 | 4,926 | 4,968 | 5,050 | 5,131 | 5,214 | 5,295 |
| Therms Per Residential Customer | 180 | 181 | 179 | 180 | 180 | 180 | 181 | 179 | 181 | 179 |
| Therms Per Commercial Customer | 3,736 | 3,719 | 3,719 | 3,718 | 3,736 | 3,717 | 3,717 | 3,717 | 3,736 | 3,717 |
| Therms Per Industrial Customer | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residential Customers | 30 | 31 | 31 | 31 | 32 | 32 | 33 | 33 | 33 | 34 |
| Commercial Customers | 118 | 119 | 121 | 123 | 125 | 127 | 129 | 131 | 133 | 135 |
| Industrial Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 148 | 150 | 152 | 154 | 157 | 159 | 162 | 164 | 166 | 169 |

| Burbank Heights Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.79% | 2.01% | 2.36% | 2.35% | 2.74% | 1.85% | 2.48% | 2.27% | 2.66% | 1.80% |
| Residential Therms | 4,251,575 | 4,352,201 | 4,470,904 | 4,591,585 | 4,735,068 | 4,838,613 | 4,965,838 | 5,096,586 | 5,250,832 | 5,362,050 |
| Commercial Therms | 2,955,244 | 3,003,076 | 3,062,663 | 3,123,274 | 3,195,664 | 3,242,725 | 3,305,195 | 3,366,858 | 3,443,108 | 3,491,946 |
| Industrial Therms | 187,615 | 187,454 | 187,454 | 187,454 | 187,727 | 187,398 | 203,014 | 203,075 | 203,371 | 203,075 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 7,394,434 | 7,542,730 | 7,721,021 | 7,902,313 | 8,118,458 | 8,268,736 | 8,474,048 | 8,666,520 | 8,897,311 | 9,057,071 |
| Daily Baseload Therms | 7,163 | 7,325 | 7,492 | 7,661 | 7,829 | 8,004 | 8,213 | 8,389 | 8,570 | 8,750 |
| Peak Day Therms | 85,283 | 87,343 | 89,377 | 91,407 | 93,527 | 95,645 | 97,789 | 99,994 | 102,258 | 104,518 |
| Therms Per Residential Customer | 377 | 375 | 375 | 375 | 377 | 375 | 375 | 375 | 377 | 375 |
| Therms Per Commercial Customer | 2,650 | 2,641 | 2,641 | 2,641 | 2,652 | 2,640 | 2,640 | 2,641 | 2,652 | 2,641 |
| Therms Per Industrial Customer | 15,635 | 15,621 | 15,621 | 15,621 | 15,644 | 15,616 | 15,616 | 15,621 | 15,644 | 15,621 |
| Residential Customers | 11,282 | 11,593 | 11,910 | 12,232 | 12,560 | 12,893 | 13,233 | 13,578 | 13,929 | 14,285 |
| Commercial Customers | 1,115 | 1,137 | 1,160 | 1,183 | 1,205 | 1,228 | 1,252 | 1,275 | 1,298 | 1,322 |
| Industrial Customers | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 12,409 | 12,742 | 13,081 | 13,426 | 13,777 | 14,133 | 14,497 | 14,866 | 15,240 | 15,620 |

| East Stanwood Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.91% | 1.09% | 1.47% | 1.42% | 1.89% | 1.89% | 1.34% | 1.31% | 1.70% | 0.81% |
| Residential Therms | 6,706,830 | 6,790,487 | 6,900,849 | 7,011,937 | 7,153,393 | 7,235,524 | 7,348,938 | 7,463,718 | 7,610,199 | 7,687,303 |
| Commercial Therms | 4,835,620 | 4,886,518 | 4,957,440 | 5,023,858 | 5,109,647 | 5,151,895 | 5,214,787 | 5,274,626 | 5,356,318 | 5,392,940 |
| Industrial Therms | 565,161 | 563,904 | 563,904 | 563,904 | 576,370 | 696,991 | 696,991 | 697,089 | 698,793 | 697,089 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 12,209,631 | 12,342,930 | 12,524,213 | 12,701,719 | 12,941,430 | 13,186,431 | 13,362,737 | 13,537,454 | 13,767,330 | 13,879,352 |
| Daily Baseload Therms | 12,909 | 13,079 | 13,249 | 13,421 | 13,584 | 14,139 | 14,303 | 14,464 | 14,630 | 14,788 |
| Peak Day Therms | 96,642 | 97,736 | 98,801 | 99,920 | 101,016 | 102,153 | 103,234 | 104,361 | 105,529 | 106,674 |
| Therms Per Residential Customer | 668 | 665 | 665 | 665 | 668 | 665 | 665 | 665 | 668 | 665 |
| Therms Per Commercial Customer | 3,883 | 3,868 | 3,869 | 3,868 | 3,884 | 3,868 | 3,868 | 3,868 | 3,884 | 3,868 |
| Therms Per Industrial Customer | 113,032 | 112,781 | 112,781 | 112,781 | 113,384 | 116,165 | 116,165 | 116,182 | 116,465 | 116,182 |
| Residential Customers | 10,044 | 10,210 | 10,376 | 10,543 | 10,711 | 10,881 | 11,051 | 11,223 | 11,396 | 11,564 |
| Commercial Customers | 1,245 | 1,263 | 1,281 | 1,299 | 1,316 | 1,332 | 1,348 | 1,364 | 1,379 | 1,394 |
| Industrial Customers | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 11,296 | 11,479 | 11,663 | 11,848 | 12,033 | 12,220 | 12,406 | 12,593 | 12,782 | 12,965 |

| Kennewick Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.74% | 1.86% | 2.23% | 2.32% | 2.52% | 1.63% | 2.01% | 1.97% | 2.34% | 1.46% |
| Residential Therms | 13,550,947 | 13,851,042 | 14,207,372 | 14,562,297 | 14,981,482 | 15,268,388 | 15,620,340 | 15,972,369 | 16,394,419 | 16,672,650 |
| Commercial Therms | 13,701,138 | 13,925,665 | 14,200,162 | 14,474,723 | 14,804,367 | 15,018,765 | 15,291,293 | 15,563,641 | 15,895,547 | 16,104,346 |
| Industrial Therms | 543,601 | 541,252 | 547,995 | 596,696 | 599,356 | 596,625 | 596,625 | 596,696 | 599,356 | 596,696 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 28,030,648 | 28,552,921 | 29,190,491 | 29,868,678 | 30,620,168 | 31,118,740 | 31,743,220 | 32,367,668 | 33,124,284 | 33,608,654 |
| Daily Baseload Therms | 26,304 | 26,873 | 27,442 | 28,094 | 28,661 | 29,222 | 29,788 | 30,348 | 30,908 | 31,467 |
| Peak Day Therms | 340,797 | 348,258 | 355,674 | 363,134 | 370,542 | 378,003 | 385,463 | 392,879 | 400,340 | 407,748 |
| Therms Per Residential Customer | 605 | 603 | 603 | 603 | 605 | 603 | 603 | 603 | 605 | 603 |
| Therms Per Commercial Customer | 4,320 | 4,304 | 4,304 | 4,304 | 4,320 | 4,303 | 4,303 | 4,303 | 4,320 | 4,303 |
| Therms Per Industrial Customer | 38,829 | 38,661 | 38,911 | 39,780 | 39,957 | 39,775 | 39,775 | 39,780 | 39,957 | 39,780 |
| Residential Customers | 22,386 | 22,980 | 23,572 | 24,161 | 24,749 | 25,336 | 25,920 | 26,504 | 27,086 | 27,667 |
| Commercial Customers | 3,172 | 3,236 | 3,300 | 3,363 | 3,427 | 3,490 | 3,554 | 3,617 | 3,680 | 3,743 |
| Industrial Customers | 14 | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 25,572 | 26,231 | 26,886 | 27,541 | 28,192 | 28,842 | 29,490 | 30,137 | 30,782 | 31,426 |

| Longview South Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.03% | 1.65% | 1.64% | 1.64% | 2.09% | 1.16% | 1.93% | 1.63% | 2.02% | 1.17% |
| Residential Therms | 1,060,213 | 1,079,072 | 1,101,683 | 1,124,350 | 1,151,980 | 1,169,533 | 1,192,390 | 1,215,726 | 1,243,978 | 1,261,824 |
| Commercial Therms | 3,814,249 | 3,864,601 | 3,928,365 | 3,993,845 | 4,078,785 | 4,127,591 | 4,196,058 | 4,266,181 | 4,354,423 | 4,407,544 |
| Industrial Therms | 227,119 | 243,651 | 243,651 | 243,651 | 245,044 | 243,545 | 261,189 | 261,302 | 262,767 | 261,302 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 5,193,281 | 5,279,025 | 5,365,400 | 5,453,547 | 5,567,509 | 5,632,370 | 5,741,338 | 5,834,909 | 5,952,868 | 6,022,370 |
| Daily Baseload Therms | 4,743 | 4,837 | 4,917 | 4,997 | 5,077 | 5,161 | 5,261 | 5,345 | 5,431 | 5,518 |
| Peak Day Therms | 50,496 | 51,223 | 52,169 | 52,937 | 53,709 | 54,517 | 55,329 | 56,182 | 57,177 | 58,066 |
| Therms Per Residential Customer | 399 | 398 | 398 | 398 | 400 | 398 | 398 | 398 | 399 | 398 |
| Therms Per Commercial Customer | 3,456 | 3,444 | 3,444 | 3,443 | 3,458 | 3,443 | 3,442 | 3,443 | 3,457 | 3,443 |
| Therms Per Industrial Customer | 12,618 | 12,824 | 12,824 | 12,824 | 12,897 | 12,818 | 13,059 | 13,065 | 13,138 | 13,065 |
| Residential Customers | 2,655 | 2,712 | 2,769 | 2,826 | 2,883 | 2,941 | 2,998 | 3,056 | 3,114 | 3,172 |
| Commercial Customers | 1,104 | 1,122 | 1,141 | 1,160 | 1,179 | 1,199 | 1,219 | 1,239 | 1,259 | 1,280 |
| Industrial Customers | 18 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 20 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,778 | 3,854 | 3,930 | 4,006 | 4,083 | 4,160 | 4,238 | 4,316 | 4,394 | 4,473 |

| Sedro-Woolley Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.72% | 0.96% | 1.30% | 1.33% | 1.70% | 0.89% | 1.27% | 1.31% | 1.67% | 0.83% |
| Residential Therms | 19,711,225 | 19,869,037 | 20,109,505 | 20,353,758 | 20,689,433 | 20,851,880 | 21,107,749 | 21,369,856 | 21,725,430 | 21,901,238 |
| Commercial Therms | 11,503,032 | 11,609,980 | 11,759,999 | 11,908,657 | 12,106,326 | 12,202,674 | 12,348,633 | 12,495,714 | 12,692,021 | 12,784,841 |
| Industrial Therms | 1,816,755 | 1,868,339 | 1,911,455 | 1,968,942 | 2,019,134 | 2,069,279 | 2,112,389 | 2,170,148 | 2,221,047 | 2,256,379 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 33,031,012 | 33,347,356 | 33,780,959 | 34,231,357 | 34,814,892 | 35,123,834 | 35,568,772 | 36,035,718 | 36,638,498 | 36,942,458 |
| Daily Baseload Therms | 28,858 | 29,281 | 29,683 | 30,109 | 30,513 | 30,945 | 31,356 | 31,791 | 32,205 | 32,621 |
| Peak Day Therms | 316,122 | 320,034 | 323,874 | 327,853 | 331,782 | 335,865 | 339,854 | 344,025 | 348,125 | 352,244 |
| Therms Per Residential Customer | 682 | 679 | 679 | 679 | 682 | 679 | 679 | 679 | 682 | 679 |
| Therms Per Commercial Customer | 2,906 | 2,895 | 2,895 | 2,895 | 2,907 | 2,895 | 2,895 | 2,895 | 2,907 | 2,895 |
| Therms Per Industrial Customer | 14,419 | 14,372 | 14,372 | 14,372 | 14,422 | 14,370 | 14,370 | 14,372 | 14,422 | 14,372 |
| Residential Customers | 28,896 | 29,245 | 29,600 | 29,960 | 30,326 | 30,697 | 31,074 | 31,457 | 31,846 | 32,240 |
| Commercial Customers | 3,958 | 4,010 | 4,062 | 4,114 | 4,165 | 4,216 | 4,266 | 4,316 | 4,366 | 4,416 |
| Industrial Customers | 126 | 130 | 133 | 137 | 140 | 144 | 147 | 151 | 154 | 157 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 32,980 | 33,386 | 33,795 | 34,210 | 34,630 | 35,057 | 35,487 | 35,925 | 36,366 | 36,814 |

| Sumas SPE Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.17% | 1.38% | 1.79% | 1.79% | 2.20% | 1.38% | 1.80% | 1.81% | 2.21% | 1.39% |
| Residential Therms | 36,661,790 | 37,074,768 | 37,642,692 | 38,220,170 | 38,966,416 | 39,402,340 | 40,009,662 | 40,629,057 | 41,425,049 | 41,893,663 |
| Commercial Therms | 19,813,932 | 20,168,369 | 20,610,964 | 21,064,495 | 21,614,397 | 22,005,251 | 22,494,481 | 22,996,469 | 23,601,506 | 24,034,590 |
| Industrial Therms | 1,503,085 | 1,537,902 | 1,577,441 | 1,616,973 | 1,661,724 | 1,695,915 | 1,735,577 | 1,775,115 | 1,820,500 | 1,846,919 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 57,978,807 | 58,781,039 | 59,831,096 | 60,901,639 | 62,242,536 | 63,103,506 | 64,239,720 | 65,400,642 | 66,847,054 | 67,775,172 |
| Daily Baseload Therms | 53,124 | 54,105 | 55,106 | 56,133 | 57,178 | 58,248 | 59,340 | 60,455 | 61,593 | 62,755 |
| Peak Day Therms | 576,106 | 585,836 | 595,804 | 606,033 | 616,507 | 627,205 | 638,149 | 649,353 | 660,788 | 672,462 |
| Therms Per Residential Customer | 711 | 708 | 708 | 708 | 711 | 708 | 708 | 708 | 711 | 708 |
| Therms Per Commercial Customer | 3,041 | 3,030 | 3,030 | 3,029 | 3,041 | 3,029 | 3,029 | 3,029 | 3,041 | 3,029 |
| Therms Per Industrial Customer | 19,821 | 19,759 | 19,759 | 19,759 | 19,822 | 19,758 | 19,760 | 19,760 | 19,824 | 19,683 |
| Residential Customers | 51,576 | 52,365 | 53,168 | 53,985 | 54,816 | 55,660 | 56,519 | 57,392 | 58,279 | 59,180 |
| Commercial Customers | 6,515 | 6,657 | 6,803 | 6,953 | 7,107 | 7,265 | 7,426 | 7,592 | 7,761 | 7,935 |
| Industrial Customers | 76 | 78 | 80 | 82 | 84 | 86 | 88 | 90 | 92 | 94 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 58,167 | 59,100 | 60,052 | 61,020 | 62,007 | 63,011 | 64,033 | 65,073 | 66,132 | 67,209 |

| Yakima Loop | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.90% | 1.11% | 1.49% | 1.49% | 1.90% | 1.04% | 1.47% | 1.48% | 1.89% | 1.04% |
| Residential Therms | 14,849,048 | 14,983,581 | 15,180,857 | 15,380,282 | 15,650,249 | 15,783,188 | 15,989,127 | 16,199,343 | 16,481,268 | 16,620,995 |
| Commercial Therms | 14,638,620 | 14,808,840 | 15,039,834 | 15,272,771 | 15,575,049 | 15,748,865 | 15,993,669 | 16,244,246 | 16,563,870 | 16,749,394 |
| Industrial Therms | 4,076,895 | 4,146,413 | 4,228,241 | 4,312,411 | 4,408,670 | 4,476,221 | 4,556,305 | 4,638,801 | 4,742,079 | 4,810,492 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 33,774,030 | 34,148,300 | 34,658,399 | 35,174,931 | 35,843,434 | 36,217,742 | 36,748,568 | 37,291,857 | 37,996,684 | 38,390,347 |
| Daily Baseload Therms | 25,390 | 25,791 | 26,247 | 26,656 | 27,069 | 27,486 | 27,907 | 28,332 | 28,761 | 29,194 |
| Peak Day Therms | 337,212 | 341,447 | 346,137 | 350,559 | 355,430 | 360,031 | 365,043 | 369,787 | 374,933 | 379,849 |
| Therms Per Residential Customer | 668 | 665 | 665 | 665 | 668 | 665 | 664 | 664 | 667 | 664 |
| Therms Per Commercial Customer | 3,581 | 3,567 | 3,567 | 3,567 | 3,582 | 3,566 | 3,566 | 3,566 | 3,581 | 3,566 |
| Therms Per Industrial Customer | 38,221 | 38,128 | 38,150 | 38,191 | 38,364 | 38,258 | 38,288 | 38,311 | 38,501 | 38,407 |
| Residential Customers | 22,238 | 22,534 | 22,833 | 23,136 | 23,442 | 23,751 | 24,064 | 24,379 | 24,698 | 25,020 |
| Commercial Customers | 4,087 | 4,151 | 4,216 | 4,282 | 4,349 | 4,416 | 4,485 | 4,555 | 4,626 | 4,697 |
| Industrial Customers | 107 | 109 | 111 | 113 | 115 | 117 | 119 | 121 | 123 | 125 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 26,434 | 26,796 | 27,162 | 27,532 | 27,907 | 28,286 | 28,670 | 29,058 | 29,449 | 29,844 |

| Zone 10 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.87% | 1.34% | 1.49% | 1.57% | 2.02% | 1.06% | 1.46% | 1.59% | 1.93% | 1.05% |
| Residential Therms | 3,749,135 | 3,788,160 | 3,844,074 | 3,899,267 | 3,972,450 | 4,010,526 | 4,066,900 | 4,125,449 | 4,201,765 | 4,240,797 |
| Commercial Therms | 6,024,798 | 6,100,633 | 6,198,636 | 6,295,435 | 6,423,042 | 6,496,278 | 6,597,568 | 6,702,821 | 6,837,371 | 6,914,530 |
| Industrial Therms | 2,091,618 | 2,136,716 | 2,162,660 | 2,203,880 | 2,254,458 | 2,278,002 | 2,308,458 | 2,351,550 | 2,396,011 | 2,422,043 |
| Ind., Inst., & Cmcl. Interrup. Therms | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 | 67,131 |
| Total Core Therms | 11,932,682 | 12,092,640 | 12,272,501 | 12,465,714 | 12,717,082 | 12,851,937 | 13,040,057 | 13,246,951 | 13,502,278 | 13,644,501 |
| Daily Baseload Therms | 12,769 | 13,023 | 13,155 | 13,407 | 13,678 | 13,879 | 14,073 | 14,274 | 14,550 | 14,750 |
| Peak Day Therms | 113,657 | 115,305 | 116,913 | 118,360 | 120,721 | 122,216 | 123,941 | 125,788 | 127,576 | 129,232 |
| Therms Per Residential Customer | 588 | 585 | 585 | 585 | 587 | 585 | 584 | 585 | 587 | 584 |
| Therms Per Commercial Customer | 3,594 | 3,581 | 3,581 | 3,581 | 3,595 | 3,579 | 3,579 | 3,579 | 3,594 | 3,579 |
| Therms Per Industrial Customer | 27,401 | 27,394 | 27,491 | 27,463 | 27,162 | 27,092 | 27,158 | 27,212 | 27,202 | 27,189 |
| Residential Customers | 6,381 | 6,475 | 6,571 | 6,667 | 6,764 | 6,861 | 6,959 | 7,058 | 7,158 | 7,257 |
| Commercial Customers | 1,676 | 1,704 | 1,731 | 1,758 | 1,787 | 1,815 | 1,843 | 1,873 | 1,902 | 1,932 |
| Industrial Customers | 76 | 78 | 79 | 80 | 83 | 84 | 85 | 86 | 88 | 89 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 8,135 | 8,257 | 8,381 | 8,506 | 8,635 | 8,761 | 8,888 | 9,018 | 9,149 | 9,279 |

| Zone 11 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.76% | 1.00% | 1.34% | 1.38% | 1.77% | 0.91% | 1.36% | 1.38% | 1.73% | 0.97% |
| Residential Therms | 16,622,917 | 16,753,980 | 16,953,540 | 17,155,250 | 17,434,068 | 17,561,760 | 17,769,854 | 17,982,566 | 18,273,938 | 18,408,396 |
| Commercial Therms | 22,780,131 | 23,008,573 | 23,328,066 | 23,658,977 | 24,088,050 | 24,321,597 | 24,667,912 | 25,019,898 | 25,477,808 | 25,734,936 |
| Industrial Therms | 5,977,781 | 6,075,270 | 6,172,916 | 6,283,958 | 6,415,531 | 6,493,806 | 6,600,737 | 6,714,850 | 6,827,182 | 6,929,230 |
| Ind., Inst., & Cmcl. Interrup. Therms | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 | 209,467 |
| Total Core Therms | 45,590,296 | 46,047,290 | 46,663,990 | 47,307,651 | 48,147,116 | 48,586,630 | 49,247,970 | 49,926,781 | 50,788,394 | 51,282,028 |
| Daily Baseload Therms | 42,982 | 43,572 | 44,093 | 44,637 | 45,239 | 45,740 | 46,296 | 46,913 | 47,432 | 47,992 |
| Peak Day Therms | 398,924 | 403,152 | 407,803 | 412,367 | 417,328 | 421,899 | 426,869 | 431,802 | 437,015 | 441,934 |
| Therms Per Residential Customer | 651 | 648 | 649 | 649 | 652 | 649 | 649 | 649 | 652 | 650 |
| Therms Per Commercial Customer | 4,119 | 4,103 | 4,103 | 4,102 | 4,119 | 4,100 | 4,100 | 4,100 | 4,117 | 4,100 |
| Therms Per Industrial Customer | 37,655 | 37,696 | 37,678 | 37,628 | 37,887 | 37,755 | 37,701 | 37,830 | 37,982 | 37,796 |
| Residential Customers | 25,536 | 25,835 | 26,137 | 26,442 | 26,751 | 27,062 | 27,377 | 27,694 | 28,015 | 28,338 |
| Commercial Customers | 5,530 | 5,607 | 5,686 | 5,767 | 5,849 | 5,932 | 6,017 | 6,102 | 6,189 | 6,277 |
| Industrial Customers | 159 | 161 | 164 | 167 | 169 | 172 | 175 | 178 | 180 | 183 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 31,227 | 31,606 | 31,989 | 32,379 | 32,771 | 33,167 | 33,571 | 33,976 | 34,386 | 34,800 |

| Zone 20 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.72% | 1.78% | 2.24% | 2.21% | 2.56% | 1.60% | 2.10% | 1.96% | 2.34% | 1.55% |
| Residential Therms | 22,245,427 | 22,730,846 | 23,312,548 | 23,895,960 | 24,590,023 | 25,070,884 | 25,663,414 | 26,261,528 | 26,978,757 | 27,464,073 |
| Commercial Therms | 20,667,697 | 20,987,624 | 21,387,827 | 21,790,577 | 22,275,054 | 22,587,380 | 22,989,535 | 23,389,687 | 23,879,122 | 24,184,392 |
| Industrial Therms | 1,706,778 | 1,701,523 | 1,747,148 | 1,795,858 | 1,841,304 | 1,834,235 | 1,888,712 | 1,889,208 | 1,895,957 | 1,928,100 |
| Ind., Inst., & Cmcl. Interrup. Therms | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 | 392,764 |
| Total Core Therms | 45,012,667 | 45,812,758 | 46,840,288 | 47,875,159 | 49,099,145 | 49,885,263 | 50,934,426 | 51,933,187 | 53,146,601 | 53,969,330 |
| Daily Baseload Therms | 41,652 | 42,490 | 43,420 | 44,348 | 45,280 | 46,142 | 47,106 | 47,962 | 48,821 | 49,763 |
| Peak Day Therms | 568,787 | 581,182 | 593,301 | 605,707 | 617,968 | 630,647 | 643,163 | 655,537 | 668,521 | 681,677 |
| Therms Per Residential Customer | 591 | 589 | 589 | 589 | 591 | 588 | 588 | 588 | 591 | 588 |
| Therms Per Commercial Customer | 4,193 | 4,178 | 4,178 | 4,179 | 4,196 | 4,179 | 4,179 | 4,180 | 4,196 | 4,180 |
| Therms Per Industrial Customer | 29,470 | 29,379 | 29,613 | 29,973 | 30,227 | 30,111 | 30,019 | 30,027 | 30,134 | 30,166 |
| Residential Customers | 37,631 | 38,617 | 39,606 | 40,600 | 41,600 | 42,605 | 43,616 | 44,632 | 45,655 | 46,683 |
| Commercial Customers | 4,929 | 5,023 | 5,119 | 5,214 | 5,309 | 5,405 | 5,501 | 5,596 | 5,691 | 5,786 |
| Industrial Customers | 58 | 58 | 59 | 60 | 61 | 61 | 63 | 63 | 63 | 64 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 42,620 | 43,700 | 44,786 | 45,877 | 46,972 | 48,073 | 49,181 | 50,293 | 51,410 | 52,535 |

| Zone 24 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.12% | 0.98% | 1.67% | 1.32% | 2.04% | 0.95% | 1.49% | 1.31% | 1.85% | 0.84% |
| Residential Therms | 4,660,945 | 4,681,802 | 4,723,140 | 4,764,012 | 4,827,374 | 4,844,515 | 4,884,842 | 4,925,209 | 4,988,096 | 5,004,257 |
| Commercial Therms | 4,496,538 | 4,514,963 | 4,551,484 | 4,587,307 | 4,644,103 | 4,659,755 | 4,695,083 | 4,730,517 | 4,785,817 | 4,799,283 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 11,975,839 | 12,093,723 | 12,295,714 | 12,457,992 | 12,711,805 | 12,832,588 | 13,024,001 | 13,194,487 | 13,439,231 | 13,552,062 |
| Daily Baseload Therms | 11,119 | 11,445 | 11,630 | 11,955 | 12,140 | 12,463 | 12,785 | 12,970 | 13,292 | 13,474 |
| Peak Day Therms | 128,546 | 129,779 | 131,713 | 132,920 | 134,878 | 136,787 | 138,033 | 139,976 | 141,202 | 143,146 |
| Therms Per Residential Customer | 571 | 569 | 569 | 569 | 572 | 569 | 569 | 570 | 572 | 570 |
| Therms Per Commercial Customer | 2,745 | 2,734 | 2,734 | 2,734 | 2,745 | 2,732 | 2,732 | 2,732 | 2,744 | 2,732 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 8,162 | 8,232 | 8,303 | 8,372 | 8,441 | 8,510 | 8,578 | 8,646 | 8,713 | 8,780 |
| Commercial Customers | 1,638 | 1,651 | 1,665 | 1,678 | 1,692 | 1,705 | 1,719 | 1,731 | 1,744 | 1,757 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 9,842 | 9,927 | 10,013 | 10,097 | 10,181 | 10,265 | 10,348 | 10,430 | 10,512 | 10,593 |

| Zone 26 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.82% | 1.39% | 1.47% | 2.22% | 2.03% | 1.01% | 1.64% | 1.47% | 2.15% | 1.02% |
| Residential Therms | 1,974,881 | 2,010,527 | 2,052,826 | 2,095,129 | 2,146,392 | 2,179,569 | 2,221,713 | 2,265,211 | 2,318,123 | 2,351,092 |
| Commercial Therms | 5,321,156 | 5,388,658 | 5,473,581 | 5,596,911 | 5,723,134 | 5,786,823 | 5,878,641 | 5,972,216 | 6,090,634 | 6,161,276 |
| Industrial Therms | 1,120,125 | 1,134,906 | 1,134,906 | 1,163,693 | 1,167,718 | 1,163,173 | 1,180,817 | 1,181,343 | 1,214,318 | 1,210,130 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 8,507,863 | 8,625,791 | 8,753,012 | 8,947,434 | 9,128,944 | 9,221,266 | 9,372,872 | 9,510,471 | 9,714,776 | 9,814,198 |
| Daily Baseload Therms | 10,202 | 10,439 | 10,569 | 10,764 | 10,894 | 11,027 | 11,176 | 11,306 | 11,511 | 11,655 |
| Peak Day Therms | 73,843 | 74,890 | 76,686 | 77,942 | 79,198 | 80,339 | 81,478 | 82,667 | 83,995 | 85,382 |
| Therms Per Residential Customer | 509 | 508 | 508 | 507 | 510 | 507 | 507 | 507 | 510 | 507 |
| Therms Per Commercial Customer | 3,610 | 3,593 | 3,590 | 3,611 | 3,631 | 3,612 | 3,609 | 3,607 | 3,619 | 3,602 |
| Therms Per Industrial Customer | 28,721 | 28,373 | 28,373 | 28,383 | 28,481 | 28,370 | 28,115 | 28,127 | 28,240 | 28,143 |
| Residential Customers | 3,878 | 3,961 | 4,045 | 4,129 | 4,212 | 4,296 | 4,380 | 4,464 | 4,549 | 4,633 |
| Commercial Customers | 1,474 | 1,500 | 1,525 | 1,550 | 1,576 | 1,602 | 1,629 | 1,656 | 1,683 | 1,711 |
| Industrial Customers | 39 | 40 | 40 | 41 | 41 | 41 | 42 | 42 | 43 | 43 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 5,392 | 5,502 | 5,610 | 5,721 | 5,830 | 5,940 | 6,052 | 6,163 | 6,276 | 6,388 |

| Zone 30-S | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.79% | 1.02% | 1.64% | 1.43% | 1.81% | 1.00% | 1.41% | 1.42% | 1.82% | 1.02% |
| Residential Therms | 28,781,915 | 29,091,824 | 29,521,674 | 29,956,924 | 30,523,593 | 30,842,400 | 31,294,085 | 31,753,902 | 32,351,080 | 32,687,052 |
| Commercial Therms | 17,438,072 | 17,628,898 | 17,887,206 | 18,151,866 | 18,494,342 | 18,696,574 | 18,977,287 | 19,265,216 | 19,633,491 | 19,855,539 |
| Industrial Therms | 784,275 | 779,083 | 894,227 | 905,063 | 910,795 | 904,931 | 904,931 | 905,063 | 910,795 | 905,063 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 48,426,720 | 48,922,263 | 49,725,565 | 50,436,310 | 51,351,187 | 51,866,363 | 52,598,761 | 53,346,638 | 54,317,823 | 54,870,111 |
| Daily Baseload Therms | 46,288 | 46,890 | 47,800 | 48,423 | 49,059 | 49,699 | 50,352 | 51,022 | 51,696 | 52,381 |
| Peak Day Therms | 440,569 | 446,348 | 452,325 | 458,397 | 464,604 | 471,612 | 478,099 | 484,777 | 491,579 | 498,474 |
| Therms Per Residential Customer | 674 | 671 | 671 | 671 | 674 | 671 | 671 | 671 | 674 | 671 |
| Therms Per Commercial Customer | 3,865 | 3,849 | 3,847 | 3,845 | 3,859 | 3,842 | 3,840 | 3,839 | 3,852 | 3,836 |
| Therms Per Industrial Customer | 25,299 | 25,132 | 28,018 | 28,283 | 28,462 | 28,279 | 28,279 | 28,283 | 28,462 | 28,283 |
| Residential Customers | 42,705 | 43,341 | 43,984 | 44,635 | 45,294 | 45,962 | 46,638 | 47,323 | 48,016 | 48,718 |
| Commercial Customers | 4,512 | 4,580 | 4,650 | 4,720 | 4,793 | 4,866 | 4,942 | 5,018 | 5,096 | 5,176 |
| Industrial Customers | 31 | 31 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 47,250 | 47,954 | 48,667 | 49,389 | 50,121 | 50,862 | 51,613 | 52,375 | 53,146 | 53,928 |

| Zone 30-W | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.03% | 1.25% | 1.62% | 1.64% | 2.03% | 1.32% | 1.61% | 1.62% | 2.01% | 1.16% |
| Residential Therms | 67,970,410 | 68,708,559 | 69,719,058 | 70,757,130 | 72,096,294 | 72,865,481 | 73,952,025 | 75,049,680 | 76,484,098 | 77,267,626 |
| Commercial Therms | 38,799,373 | 39,345,361 | 40,053,578 | 40,769,722 | 41,656,818 | 42,221,943 | 42,964,280 | 43,725,015 | 44,666,528 | 45,266,473 |
| Industrial Therms | 4,621,652 | 4,732,633 | 4,844,364 | 4,969,739 | 5,109,393 | 5,341,085 | 5,452,380 | 5,580,135 | 5,709,910 | 5,797,696 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 111,493,455 | 112,888,574 | 114,719,020 | 116,598,611 | 118,964,524 | 120,530,530 | 122,470,706 | 124,456,850 | 126,962,555 | 128,433,815 |
| Daily Baseload Therms | 103,296 | 105,065 | 106,790 | 108,622 | 110,390 | 112,650 | 114,503 | 116,404 | 118,313 | 120,256 |
| Peak Day Therms | 1,068,819 | 1,085,164 | 1,101,666 | 1,118,639 | 1,135,662 | 1,153,378 | 1,171,234 | 1,189,310 | 1,207,851 | 1,226,509 |
| Therms Per Residential Customer | 703 | 700 | 700 | 700 | 703 | 700 | 700 | 700 | 703 | 700 |
| Therms Per Commercial Customer | 3,096 | 3,084 | 3,084 | 3,084 | 3,096 | 3,083 | 3,083 | 3,083 | 3,095 | 3,083 |
| Therms Per Industrial Customer | 16,997 | 16,877 | 16,826 | 16,766 | 16,807 | 17,001 | 16,937 | 16,884 | 16,893 | 16,773 |
| Residential Customers | 96,664 | 98,094 | 99,544 | 101,019 | 102,516 | 104,036 | 105,580 | 107,147 | 108,739 | 110,332 |
| Commercial Customers | 12,532 | 12,758 | 12,987 | 13,221 | 13,456 | 13,695 | 13,937 | 14,184 | 14,432 | 14,685 |
| Industrial Customers | 272 | 280 | 288 | 296 | 304 | 314 | 322 | 331 | 338 | 346 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 109,469 | 111,133 | 112,821 | 114,538 | 116,277 | 118,046 | 119,840 | 121,662 | 123,510 | 125,363 |

| Zone GTN | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.47% | 1.62% | 1.97% | 1.96% | 2.36% | 1.45% | 1.88% | 1.82% | 2.22% | 1.30% |
| Residential Therms | 44,541,487 | 45,363,097 | 46,389,423 | 47,424,832 | 48,684,604 | 49,518,407 | 50,581,476 | 51,657,197 | 52,973,095 | 53,829,739 |
| Commercial Therms | 24,752,633 | 25,038,497 | 25,406,420 | 25,775,343 | 26,248,065 | 26,474,365 | 26,812,743 | 27,146,617 | 27,585,152 | 27,797,694 |
| Industrial Therms | 4,618,641 | 4,707,419 | 4,789,703 | 4,888,988 | 5,001,811 | 5,097,801 | 5,222,962 | 5,318,416 | 5,429,136 | 5,477,401 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 73,933,697 | 75,129,950 | 76,606,483 | 78,110,100 | 79,955,417 | 81,111,510 | 82,638,119 | 84,143,168 | 86,008,320 | 87,125,772 |
| Daily Baseload Therms | 64,465 | 65,738 | 67,047 | 68,306 | 69,629 | 70,885 | 72,202 | 73,513 | 74,788 | 75,973 |
| Peak Day Therms | 759,873 | 775,188 | 790,300 | 805,551 | 820,296 | 835,548 | 850,475 | 865,704 | 881,093 | 896,104 |
| Therms Per Residential Customer | 739 | 736 | 736 | 736 | 739 | 736 | 736 | 736 | 739 | 736 |
| Therms Per Commercial Customer | 2,914 | 2,902 | 2,902 | 2,902 | 2,915 | 2,902 | 2,902 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,672 | 28,487 | 28,468 | 28,411 | 28,460 | 28,347 | 28,360 | 28,315 | 28,375 | 28,174 |
| Residential Customers | 60,246 | 61,622 | 63,019 | 64,428 | 65,850 | 67,285 | 68,734 | 70,194 | 71,669 | 73,157 |
| Commercial Customers | 8,494 | 8,627 | 8,755 | 8,881 | 9,004 | 9,122 | 9,239 | 9,353 | 9,464 | 9,573 |
| Industrial Customers | 161 | 165 | 168 | 172 | 176 | 180 | 184 | 188 | 191 | 194 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 68,902 | 70,415 | 71,943 | 73,482 | 75,031 | 76,588 | 78,158 | 79,736 | 81,325 | 82,925 |

| Zone ME-OR | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.31% | 1.16% | 2.24% | 1.92% | 1.86% | 1.47% | 1.46% | 1.89% | 2.29% | 1.11% |
| Residential Therms | 8,046,818 | 8,194,064 | 8,378,992 | 8,568,351 | 8,800,001 | 8,957,226 | 9,158,336 | 9,364,048 | 9,615,374 | 9,785,789 |
| Commercial Therms | 7,800,976 | 7,861,811 | 7,946,677 | 8,037,084 | 8,159,141 | 8,215,063 | 8,307,615 | 8,396,981 | 8,525,615 | 8,587,176 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 18,480,590 | 18,694,504 | 19,112,490 | 19,479,452 | 19,842,337 | 20,133,210 | 20,426,853 | 20,811,950 | 21,289,134 | 21,525,095 |
| Daily Baseload Therms | 18,682 | 18,947 | 19,543 | 19,944 | 20,190 | 20,591 | 20,839 | 21,255 | 21,682 | 21,182 |
| Peak Day Therms | 204,272 | 207,165 | 211,959 | 215,522 | 218,559 | 222,169 | 225,398 | 229,279 | 233,295 | 236,604 |
| Therms Per Residential Customer | 565 | 563 | 563 | 563 | 565 | 563 | 563 | 563 | 565 | 563 |
| Therms Per Commercial Customer | 3,645 | 3,632 | 3,631 | 3,631 | 3,646 | 3,630 | 3,631 | 3,630 | 3,645 | 3,631 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 14,231 | 14,553 | 14,883 | 15,220 | 15,562 | 15,913 | 16,271 | 16,635 | 17,006 | 17,385 |
| Commercial Customers | 2,140 | 2,165 | 2,189 | 2,213 | 2,238 | 2,263 | 2,288 | 2,313 | 2,339 | 2,365 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 16,411 | 16,758 | 17,113 | 17,475 | 17,843 | 18,219 | 18,602 | 18,993 | 19,391 | 19,796 |

| Zone ME-WA | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.90% | 1.29% | 1.28% | 1.68% | 0.84% | 1.25% | 1.26% | 1.65% | 0.82% |
| Residential Therms | 7,974,414 | 8,061,669 | 8,181,291 | 8,301,356 | 8,456,729 | 8,541,321 | 8,662,083 | 8,783,648 | 8,942,359 | 9,026,826 |
| Commercial Therms | 5,047,340 | 5,099,253 | 5,171,900 | 5,245,578 | 5,342,353 | 5,394,604 | 5,470,259 | 5,548,085 | 5,648,954 | 5,704,211 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 14,778,102 | 14,911,807 | 15,104,076 | 15,297,818 | 15,555,431 | 15,686,811 | 15,883,227 | 16,082,618 | 16,347,661 | 16,481,922 |
| Daily Baseload Therms | 12,155 | 12,303 | 12,448 | 12,596 | 12,745 | 12,894 | 13,046 | 13,197 | 13,350 | 13,502 |
| Peak Day Therms | 185,561 | 187,657 | 189,761 | 191,923 | 194,101 | 196,337 | 198,548 | 200,851 | 203,120 | 205,446 |
| Therms Per Residential Customer | 579 | 577 | 577 | 577 | 579 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,257 | 3,244 | 3,244 | 3,244 | 3,257 | 3,243 | 3,243 | 3,243 | 3,257 | 3,243 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 13,763 | 13,971 | 14,179 | 14,388 | 14,597 | 14,806 | 15,016 | 15,227 | 15,438 | 15,650 |
| Commercial Customers | 1,550 | 1,572 | 1,594 | 1,617 | 1,640 | 1,663 | 1,687 | 1,711 | 1,735 | 1,759 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 15,331 | 15,561 | 15,792 | 16,023 | 16,255 | 16,488 | 16,721 | 16,955 | 17,190 | 17,427 |

| Bellingham Disctrict | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.17% | 1.39% | 1.77% | 1.80% | 2.18% | 1.39% | 1.81% | 1.80% | 2.22% | 1.39% |
| Residential Therms | 37,332,162 | 37,757,974 | 38,329,598 | 38,922,546 | 39,674,968 | 40,125,100 | 40,747,548 | 41,370,895 | 42,185,076 | 42,658,430 |
| Commercial Therms | 20,060,135 | 20,416,300 | 20,863,118 | 21,324,613 | 21,878,444 | 22,274,712 | 22,769,376 | 23,283,045 | 23,896,928 | 24,338,593 |
| Industrial Therms | 1,503,804 | 1,538,620 | 1,578,158 | 1,617,691 | 1,662,443 | 1,696,998 | 1,736,907 | 1,776,445 | 1,821,834 | 1,848,250 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 58,896,101 | 59,712,894 | 60,770,874 | 61,864,850 | 63,215,854 | 64,096,809 | 65,253,830 | 66,430,386 | 67,903,838 | 68,845,273 |
| Daily Baseload Therms | 54,378 | 55,388 | 56,390 | 57,456 | 58,504 | 59,610 | 60,731 | 61,861 | 63,036 | 64,226 |
| Peak Day Therms | 583,951 | 593,834 | 603,959 | 614,341 | 624,831 | 635,796 | 646,908 | 658,147 | 669,830 | 681,610 |
| Therms Per Residential Customer | 721 | 718 | 718 | 718 | 721 | 718 | 718 | 718 | 721 | 718 |
| Therms Per Commercial Customer | 3,054 | 3,042 | 3,043 | 3,042 | 3,054 | 3,042 | 3,042 | 3,042 | 3,054 | 3,043 |
| Therms Per Industrial Customer | 19,530 | 19,476 | 19,483 | 19,490 | 19,558 | 19,357 | 19,317 | 19,327 | 19,398 | 19,269 |
| Residential Customers | 51,796 | 52,590 | 53,396 | 54,217 | 55,050 | 55,898 | 56,761 | 57,637 | 58,528 | 59,433 |
| Commercial Customers | 6,568 | 6,711 | 6,857 | 7,010 | 7,164 | 7,323 | 7,485 | 7,654 | 7,824 | 7,999 |
| Industrial Customers | 77 | 79 | 81 | 83 | 85 | 88 | 90 | 92 | 94 | 96 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 58,441 | 59,380 | 60,334 | 61,309 | 62,299 | 63,309 | 64,336 | 65,382 | 66,446 | 67,529 |

| Mount Vernon District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.87% | 1.10% | 1.45% | 1.46% | 1.85% | 1.23% | 1.39% | 1.41% | 1.78% | 0.90% |
| Residential Therms | 30,638,247 | 30,950,584 | 31,389,460 | 31,834,584 | 32,421,326 | 32,740,382 | 33,204,478 | 33,678,785 | 34,299,022 | 34,609,196 |
| Commercial Therms | 18,739,239 | 18,929,061 | 19,190,459 | 19,445,109 | 19,778,374 | 19,947,231 | 20,194,904 | 20,441,970 | 20,769,599 | 20,927,880 |
| Industrial Therms | 3,117,848 | 3,194,014 | 3,266,206 | 3,352,048 | 3,446,950 | 3,644,088 | 3,715,473 | 3,803,689 | 3,888,076 | 3,949,446 |
| Ind., Inst., & Cmcl. Interrup. Therms | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 | 102,020 |
| Total Core Therms | 52,597,354 | 53,175,680 | 53,948,145 | 54,733,761 | 55,748,670 | 56,433,721 | 57,216,875 | 58,026,465 | 59,058,717 | 59,588,542 |
| Daily Baseload Therms | 48,918 | 49,677 | 50,399 | 51,166 | 51,886 | 53,040 | 53,772 | 54,543 | 55,278 | 56,030 |
| Peak Day Therms | 484,868 | 491,330 | 497,707 | 504,298 | 510,831 | 517,582 | 524,326 | 531,163 | 538,021 | 544,899 |
| Therms Per Residential Customer | 683 | 680 | 680 | 680 | 683 | 680 | 680 | 680 | 683 | 680 |
| Therms Per Commercial Customer | 3,142 | 3,130 | 3,130 | 3,130 | 3,143 | 3,130 | 3,130 | 3,130 | 3,143 | 3,130 |
| Therms Per Industrial Customer | 15,996 | 15,858 | 15,785 | 15,707 | 15,739 | 16,089 | 16,015 | 15,943 | 15,929 | 15,814 |
| Residential Customers | 44,868 | 45,504 | 46,148 | 46,802 | 47,465 | 48,138 | 48,819 | 49,510 | 50,211 | 50,898 |
| Commercial Customers | 5,964 | 6,047 | 6,130 | 6,212 | 6,293 | 6,373 | 6,452 | 6,530 | 6,608 | 6,686 |
| Industrial Customers | 195 | 201 | 207 | 213 | 219 | 227 | 232 | 239 | 244 | 250 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 51,028 | 51,754 | 52,487 | 53,228 | 53,978 | 54,738 | 55,504 | 56,280 | 57,064 | 57,835 |

| Bremerton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.96% | 1.18% | 1.84% | 1.59% | 1.97% | 1.16% | 1.56% | 1.57% | 1.97% | 1.16% |
| Residential Therms | 26,032,041 | 26,331,353 | 26,740,779 | 27,155,097 | 27,688,960 | 27,999,102 | 28,429,699 | 28,867,098 | 29,430,295 | 29,756,472 |
| Commercial Therms | 14,044,374 | 14,241,647 | 14,495,115 | 14,755,141 | 15,079,486 | 15,290,338 | 15,564,888 | 15,846,495 | 16,195,890 | 16,425,661 |
| Industrial Therms | 345,141 | 341,261 | 456,405 | 467,241 | 471,398 | 467,241 | 467,241 | 467,241 | 471,398 | 467,241 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 | 1,422,458 |
| Total Core Therms | 41,844,013 | 42,336,718 | 43,114,757 | 43,799,937 | 44,662,301 | 45,179,138 | 45,884,287 | 46,603,291 | 47,520,040 | 48,071,831 |
| Daily Baseload Therms | 39,083 | 39,666 | 40,550 | 41,153 | 41,768 | 42,388 | 43,020 | 43,665 | 44,317 | 44,982 |
| Peak Day Therms | 383,387 | 389,092 | 394,981 | 400,964 | 407,083 | 413,947 | 420,332 | 426,866 | 433,558 | 440,295 |
| Therms Per Residential Customer | 671 | 668 | 668 | 668 | 671 | 668 | 668 | 668 | 671 | 668 |
| Therms Per Commercial Customer | 3,744 | 3,730 | 3,730 | 3,730 | 3,744 | 3,730 | 3,729 | 3,729 | 3,744 | 3,729 |
| Therms Per Industrial Customer | 24,653 | 24,376 | 30,597 | 31,149 | 31,427 | 31,149 | 31,149 | 31,149 | 31,427 | 31,149 |
| Residential Customers | 38,804 | 39,410 | 40,023 | 40,644 | 41,274 | 41,911 | 42,557 | 43,211 | 43,873 | 44,544 |
| Commercial Customers | 3,751 | 3,818 | 3,886 | 3,956 | 4,027 | 4,100 | 4,174 | 4,249 | 4,326 | 4,404 |
| Industrial Customers | 14 | 14 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 42,571 | 43,244 | 43,927 | 44,618 | 45,318 | 46,028 | 46,747 | 47,477 | 48,216 | 48,965 |

| Longview District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.88% | 1.43% | 1.52% | 1.86% | 1.94% | 1.06% | 1.70% | 1.51% | 2.21% | 1.06% |
| Residential Therms | 1,974,881 | 2,010,527 | 2,052,826 | 2,095,129 | 2,146,392 | 2,179,569 | 2,221,713 | 2,265,211 | 2,318,123 | 2,351,092 |
| Commercial Therms | 5,076,948 | 5,144,689 | 5,229,612 | 5,317,139 | 5,429,595 | 5,494,305 | 5,586,123 | 5,679,454 | 5,797,096 | 5,868,514 |
| Industrial Therms | 1,120,125 | 1,134,906 | 1,134,906 | 1,163,693 | 1,167,718 | 1,163,173 | 1,180,817 | 1,181,343 | 1,214,318 | 1,210,130 |
| Ind., Inst., & Cmcl. Interrup. Therms | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 | 91,700 |
| Total Core Therms | 8,263,654 | 8,381,822 | 8,509,044 | 8,667,661 | 8,835,406 | 8,928,747 | 9,080,354 | 9,217,708 | 9,421,237 | 9,521,436 |
| Daily Baseload Therms | 9,726 | 9,868 | 9,998 | 10,192 | 10,323 | 10,456 | 10,605 | 10,734 | 10,940 | 11,084 |
| Peak Day Therms | 72,718 | 73,765 | 75,561 | 76,817 | 77,848 | 78,989 | 80,127 | 81,316 | 82,644 | 84,031 |
| Therms Per Residential Customer | 509 | 508 | 508 | 507 | 510 | 507 | 507 | 507 | 510 | 507 |
| Therms Per Commercial Customer | 3,456 | 3,444 | 3,444 | 3,443 | 3,458 | 3,442 | 3,442 | 3,443 | 3,457 | 3,443 |
| Therms Per Industrial Customer | 28,721 | 28,373 | 28,373 | 28,383 | 28,481 | 28,370 | 28,115 | 28,127 | 28,240 | 28,143 |
| Residential Customers | 3,878 | 3,961 | 4,045 | 4,129 | 4,212 | 4,296 | 4,380 | 4,464 | 4,549 | 4,633 |
| Commercial Customers | 1,469 | 1,494 | 1,519 | 1,544 | 1,570 | 1,596 | 1,623 | 1,650 | 1,677 | 1,704 |
| Industrial Customers | 39 | 40 | 40 | 41 | 41 | 41 | 42 | 42 | 43 | 43 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 5,387 | 5,496 | 5,604 | 5,715 | 5,824 | 5,934 | 6,046 | 6,157 | 6,270 | 6,382 |

| Aberdeen District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 0.72% | 0.04% | 0.38% | 0.39% | 0.79% | -0.02% | 0.41% | 0.43% | 0.81% | 0.01% |
| Residential Therms | 2,749,874 | 2,760,471 | 2,780,895 | 2,801,827 | 2,834,632 | 2,843,299 | 2,864,386 | 2,886,804 | 2,920,785 | 2,930,580 |
| Commercial Therms | 3,393,698 | 3,387,252 | 3,392,091 | 3,396,725 | 3,414,856 | 3,406,235 | 3,412,399 | 3,418,721 | 3,437,601 | 3,429,878 |
| Industrial Therms | 439,134 | 437,822 | 437,822 | 437,822 | 439,397 | 437,690 | 437,690 | 437,822 | 439,397 | 437,822 |
| Ind., Inst., & Cmcl. Interrup. Therms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Therms | 6,582,706 | 6,585,545 | 6,610,808 | 6,636,373 | 6,688,886 | 6,687,224 | 6,714,475 | 6,743,347 | 6,797,783 | 6,798,280 |
| Daily Baseload Therms | 7,205 | 7,225 | 7,251 | 7,271 | 7,291 | 7,311 | 7,331 | 7,357 | 7,378 | 7,399 |
| Peak Day Therms | 57,182 | 57,256 | 57,344 | 57,433 | 57,521 | 57,665 | 57,767 | 57,911 | 58,021 | 58,179 |
| Therms Per Residential Customer | 705 | 702 | 702 | 702 | 705 | 702 | 702 | 702 | 705 | 702 |
| Therms Per Commercial Customer | 4,460 | 4,445 | 4,445 | 4,445 | 4,461 | 4,443 | 4,444 | 4,445 | 4,462 | 4,445 |
| Therms Per Industrial Customer | 25,831 | 25,754 | 25,754 | 25,754 | 25,847 | 25,746 | 25,746 | 25,754 | 25,847 | 25,754 |
| Residential Customers | 3,902 | 3,931 | 3,960 | 3,990 | 4,020 | 4,051 | 4,081 | 4,112 | 4,143 | 4,174 |
| Commercial Customers | 761 | 762 | 763 | 764 | 765 | 767 | 768 | 769 | 771 | 772 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Core Customers | 4,680 | 4,710 | 4,741 | 4,772 | 4,803 | 4,834 | 4,866 | 4,898 | 4,931 | 4,963 |

| Kennewick District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.76% | 1.89% | 2.27% | 2.41% | 2.61% | 1.69% | 2.13% | 2.06% | 2.43% | 1.56% |
| Residential Therms | 21,549,539 | 22,036,488 | 22,617,101 | 23,199,431 | 23,889,679 | 24,372,836 | 24,964,541 | 25,561,860 | 26,275,352 | 26,762,970 |
| Commercial Therms | 19,570,651 | 19,883,382 | 20,272,356 | 20,700,074 | 21,182,644 | 21,483,533 | 21,875,785 | 22,266,114 | 22,741,554 | 23,042,095 |
| Industrial Therms | 891,484 | 888,710 | 895,453 | 944,154 | 947,321 | 944,041 | 959,658 | 959,775 | 962,965 | 959,775 |
| Ind., Inst., & Cmcl. Interrup. Therms | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 | 234,962 |
| Total Core Therms | 42,246,636 | 43,043,542 | 44,019,872 | 45,078,620 | 46,254,606 | 47,035,372 | 48,034,946 | 49,022,711 | 50,214,833 | 50,999,802 |
| Daily Baseload Therms | 38,232 | 39,151 | 39,987 | 40,904 | 41,741 | 42,581 | 43,455 | 44,297 | 45,147 | 45,994 |
| Peak Day Therms | 515,356 | 526,977 | 538,565 | 550,174 | 562,098 | 573,911 | 585,842 | 597,625 | 609,643 | 622,146 |
| Therms Per Residential Customer | 591 | 588 | 588 | 588 | 591 | 588 | 588 | 588 | 590 | 588 |
| Therms Per Commercial Customer | 4,270 | 4,252 | 4,251 | 4,258 | 4,276 | 4,258 | 4,257 | 4,256 | 4,271 | 4,253 |
| Therms Per Industrial Customer | 30,741 | 30,645 | 30,789 | 31,472 | 31,577 | 31,468 | 30,957 | 30,960 | 31,063 | 30,960 |
| Residential Customers | 36,487 | 37,470 | 38,458 | 39,450 | 40,449 | 41,452 | 42,461 | 43,477 | 44,498 | 45,525 |
| Commercial Customers | 4,584 | 4,676 | 4,769 | 4,862 | 4,954 | 5,046 | 5,139 | 5,232 | 5,324 | 5,417 |
| Industrial Customers | 29 | 29 | 29 | 30 | 30 | 30 | 31 | 31 | 31 | 31 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 41,100 | 42,176 | 43,257 | 44,343 | 45,433 | 46,529 | 47,633 | 48,741 | 49,854 | 50,975 |

| Walla Walla District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.71% | 0.90% | 1.29% | 1.28% | 1.68% | 0.84% | 1.25% | 1.26% | 1.65% | 0.82% |
| Residential Therms | 7,974,414 | 8,061,669 | 8,181,291 | 8,301,356 | 8,456,729 | 8,541,321 | 8,662,083 | 8,783,648 | 8,942,359 | 9,026,826 |
| Commercial Therms | 5,047,340 | 5,099,253 | 5,171,900 | 5,245,578 | 5,342,353 | 5,394,604 | 5,470,259 | 5,548,085 | 5,648,954 | 5,704,211 |
| Industrial Therms | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 | 203,118 | 203,118 | 208,580 | 203,118 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 | 1,547,768 |
| Total Core Therms | 14,778,102 | 14,911,807 | 15,104,076 | 15,297,818 | 15,555,431 | 15,686,811 | 15,883,227 | 16,082,618 | 16,347,661 | 16,481,922 |
| Daily Baseload Therms | 12,155 | 12,303 | 12,448 | 12,596 | 12,745 | 12,894 | 13,046 | 13,197 | 13,350 | 13,502 |
| Peak Day Therms | 185,561 | 187,657 | 189,761 | 191,923 | 194,101 | 196,337 | 198,548 | 200,851 | 203,120 | 205,446 |
| Therms Per Residential Customer | 579 | 577 | 577 | 577 | 579 | 577 | 577 | 577 | 579 | 577 |
| Therms Per Commercial Customer | 3,257 | 3,244 | 3,244 | 3,244 | 3,257 | 3,243 | 3,243 | 3,243 | 3,257 | 3,243 |
| Therms Per Industrial Customer | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 | 11,948 | 11,948 | 12,269 | 11,948 |
| Residential Customers | 13,763 | 13,971 | 14,179 | 14,388 | 14,597 | 14,806 | 15,016 | 15,227 | 15,438 | 15,650 |
| Commercial Customers | 1,550 | 1,572 | 1,594 | 1,617 | 1,640 | 1,663 | 1,687 | 1,711 | 1,735 | 1,759 |
| Industrial Customers | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 15,331 | 15,561 | 15,792 | 16,023 | 16,255 | 16,488 | 16,721 | 16,955 | 17,190 | 17,427 |

| Wenatchee District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.22% | -0.11% | 0.73% | 0.42% | 0.96% | -0.02% | 0.83% | 0.19% | 0.52% | 0.54% |
| Residential Therms | 1,371,709 | 1,365,599 | 1,364,060 | 1,362,225 | 1,365,097 | 1,357,336 | 1,354,784 | 1,352,341 | 1,354,967 | 1,346,494 |
| Commercial Therms | 5,527,836 | 5,529,051 | 5,545,313 | 5,568,603 | 5,605,586 | 5,608,778 | 5,630,958 | 5,649,440 | 5,687,474 | 5,686,917 |
| Industrial Therms | 1,724,405 | 1,720,006 | 1,768,939 | 1,784,498 | 1,829,457 | 1,832,681 | 1,887,086 | 1,887,826 | 1,894,129 | 1,952,317 |
| Ind., Inst., & Cmcl. Interrup. Therms | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 | 157,802 |
| Total Core Therms | 8,781,752 | 8,772,459 | 8,836,115 | 8,873,128 | 8,957,943 | 8,956,598 | 9,030,630 | 9,047,409 | 9,094,373 | 9,143,531 |
| Daily Baseload Therms | 15,332 | 15,347 | 15,444 | 15,519 | 15,615 | 15,651 | 15,806 | 15,819 | 15,844 | 15,991 |
| Peak Day Therms | 96,356 | 96,888 | 97,175 | 97,681 | 98,090 | 98,713 | 99,006 | 99,355 | 100,128 | 100,534 |
| Therms Per Residential Customer | 520 | 519 | 519 | 519 | 521 | 520 | 520 | 520 | 522 | 521 |
| Therms Per Commercial Customer | 4,933 | 4,922 | 4,924 | 4,927 | 4,947 | 4,934 | 4,937 | 4,942 | 4,961 | 4,949 |
| Therms Per Industrial Customer | 28,424 | 28,352 | 28,531 | 28,476 | 28,735 | 28,636 | 28,737 | 28,749 | 28,845 | 28,852 |
| Residential Customers | 2,636 | 2,632 | 2,628 | 2,623 | 2,618 | 2,613 | 2,607 | 2,600 | 2,594 | 2,587 |
| Commercial Customers | 1,121 | 1,123 | 1,126 | 1,130 | 1,133 | 1,137 | 1,141 | 1,143 | 1,146 | 1,149 |
| Industrial Customers | 61 | 61 | 62 | 63 | 64 | 64 | 66 | 66 | 66 | 68 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 3,818 | 3,817 | 3,817 | 3,817 | 3,816 | 3,815 | 3,814 | 3,810 | 3,807 | 3,804 |

| Yakima District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 1.89% | 1.22% | 1.50% | 1.53% | 1.98% | 1.05% | 1.48% | 1.56% | 1.90% | 1.07% |
| Residential Therms | 19,696,231 | 19,870,900 | 20,129,001 | 20,388,821 | 20,741,764 | 20,912,998 | 21,180,844 | 21,455,341 | 21,824,141 | 22,003,802 |
| Commercial Therms | 24,618,348 | 24,928,367 | 25,340,829 | 25,756,085 | 26,291,454 | 26,605,463 | 27,040,791 | 27,489,615 | 28,058,810 | 28,397,608 |
| Industrial Therms | 7,160,287 | 7,304,792 | 7,418,333 | 7,555,045 | 7,734,516 | 7,829,321 | 7,951,164 | 8,108,008 | 8,262,056 | 8,367,280 |
| Ind., Inst., & Cmcl. Interrup. Therms | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 | 276,598 |
| Total Core Therms | 51,751,465 | 52,380,656 | 53,164,761 | 53,976,548 | 55,044,332 | 55,624,379 | 56,449,396 | 57,329,562 | 58,421,606 | 59,045,288 |
| Daily Baseload Therms | 44,315 | 45,157 | 45,810 | 46,540 | 47,413 | 48,100 | 48,786 | 49,605 | 50,384 | 51,093 |
| Peak Day Therms | 470,780 | 476,900 | 483,401 | 489,705 | 497,179 | 503,488 | 510,475 | 517,498 | 524,692 | 531,514 |
| Therms Per Residential Customer | 647 | 645 | 645 | 644 | 647 | 644 | 644 | 644 | 647 | 644 |
| Therms Per Commercial Customer | 3,825 | 3,812 | 3,813 | 3,814 | 3,831 | 3,815 | 3,816 | 3,817 | 3,834 | 3,820 |
| Therms Per Industrial Customer | 35,215 | 35,218 | 35,255 | 35,222 | 35,224 | 35,109 | 35,130 | 35,227 | 35,295 | 35,206 |
| Residential Customers | 30,426 | 30,825 | 31,229 | 31,636 | 32,049 | 32,464 | 32,883 | 33,307 | 33,736 | 34,167 |
| Commercial Customers | 6,436 | 6,540 | 6,647 | 6,754 | 6,863 | 6,974 | 7,087 | 7,201 | 7,318 | 7,435 |
| Industrial Customers | 203 | 207 | 210 | 215 | 220 | 223 | 226 | 230 | 234 | 238 |
| Interruptible Customers | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Total Core Customers | 37,068 | 37,575 | 38,089 | 38,607 | 39,134 | 39,664 | 40,199 | 40,742 | 41,290 | 41,842 |

| Central Oregon (Bend) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.47% | 1.62% | 1.97% | 1.96% | 2.36% | 1.45% | 1.88% | 1.82% | 2.22% | 1.30% |
| Residential Therms | 44,541,487 | 45,363,097 | 46,389,423 | 47,424,832 | 48,684,604 | 49,518,407 | 50,581,476 | 51,657,197 | 52,973,095 | 53,829,739 |
| Commercial Therms | 24,752,633 | 25,038,497 | 25,406,420 | 25,775,343 | 26,248,065 | 26,474,365 | 26,812,743 | 27,146,617 | 27,585,152 | 27,797,694 |
| Industrial Therms | 4,618,641 | 4,707,419 | 4,789,703 | 4,888,988 | 5,001,811 | 5,097,801 | 5,222,962 | 5,318,416 | 5,429,136 | 5,477,401 |
| Ind., Inst., & Cmcl. Interrup. Therms | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 | 20,937 |
| Total Core Therms | 73,933,697 | 75,129,950 | 76,606,483 | 78,110,100 | 79,955,417 | 81,111,510 | 82,638,119 | 84,143,168 | 86,008,320 | 87,125,772 |
| Daily Baseload Therms | 64,465 | 65,738 | 67,047 | 68,306 | 69,629 | 70,885 | 72,202 | 73,513 | 74,788 | 75,973 |
| Peak Day Therms | 759,873 | 775,188 | 790,300 | 805,551 | 820,296 | 835,548 | 850,475 | 865,704 | 881,093 | 896,104 |
| Therms Per Residential Customer | 739 | 736 | 736 | 736 | 739 | 736 | 736 | 736 | 739 | 736 |
| Therms Per Commercial Customer | 2,914 | 2,902 | 2,902 | 2,902 | 2,915 | 2,902 | 2,902 | 2,903 | 2,915 | 2,904 |
| Therms Per Industrial Customer | 28,672 | 28,487 | 28,468 | 28,411 | 28,460 | 28,347 | 28,360 | 28,315 | 28,375 | 28,174 |
| Residential Customers | 60,246 | 61,622 | 63,019 | 64,428 | 65,850 | 67,285 | 68,734 | 70,194 | 71,669 | 73,157 |
| Commercial Customers | 8,494 | 8,627 | 8,755 | 8,881 | 9,004 | 9,122 | 9,239 | 9,353 | 9,464 | 9,573 |
| Industrial Customers | 161 | 165 | 168 | 172 | 176 | 180 | 184 | 188 | 191 | 194 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 68,902 | 70,415 | 71,943 | 73,482 | 75,031 | 76,588 | 78,158 | 79,736 | 81,325 | 82,925 |

| Pendleton District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.31% | 1.16% | 2.24% | 1.92% | 1.86% | 1.47% | 1.46% | 1.89% | 2.29% | 1.11% |
| Residential Therms | 8,046,818 | 8,194,064 | 8,378,992 | 8,568,351 | 8,800,001 | 8,957,226 | 9,158,336 | 9,364,048 | 9,615,374 | 9,785,789 |
| Commercial Therms | 7,800,976 | 7,861,811 | 7,946,677 | 8,037,084 | 8,159,141 | 8,215,063 | 8,307,615 | 8,396,981 | 8,525,615 | 8,587,176 |
| Industrial Therms | 1,423,500 | 1,429,332 | 1,577,525 | 1,664,720 | 1,673,898 | 1,751,624 | 1,751,606 | 1,841,625 | 1,938,850 | 1,942,834 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 | 1,209,296 |
| Total Core Therms | 18,480,590 | 18,694,504 | 19,112,490 | 19,479,452 | 19,842,337 | 20,133,210 | 20,426,853 | 20,811,950 | 21,289,134 | 21,525,095 |
| Daily Baseload Therms | 18,682 | 18,947 | 19,543 | 19,944 | 20,190 | 20,591 | 20,839 | 21,255 | 21,682 | 21,182 |
| Peak Day Therms | 204,272 | 207,165 | 211,959 | 215,522 | 218,559 | 222,169 | 225,398 | 229,279 | 233,295 | 236,604 |
| Therms Per Residential Customer | 565 | 563 | 563 | 563 | 565 | 563 | 563 | 563 | 565 | 563 |
| Therms Per Commercial Customer | 3,645 | 3,632 | 3,631 | 3,631 | 3,646 | 3,630 | 3,631 | 3,630 | 3,645 | 3,631 |
| Therms Per Industrial Customer | 37,960 | 37,614 | 39,937 | 41,104 | 41,331 | 42,208 | 42,207 | 42,828 | 44,065 | 43,659 |
| Residential Customers | 14,231 | 14,553 | 14,883 | 15,220 | 15,562 | 15,913 | 16,271 | 16,635 | 17,006 | 17,385 |
| Commercial Customers | 2,140 | 2,165 | 2,189 | 2,213 | 2,238 | 2,263 | 2,288 | 2,313 | 2,339 | 2,365 |
| Industrial Customers | 38 | 38 | 40 | 41 | 41 | 42 | 42 | 43 | 44 | 45 |
| Interruptible Customers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Total Core Customers | 16,411 | 16,758 | 17,113 | 17,475 | 17,843 | 18,219 | 18,602 | 18,993 | 19,391 | 19,796 |

| Eastern Oregon (Ontario) District | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.12% | 0.98% | 1.67% | 1.32% | 2.04% | 0.95% | 1.49% | 1.31% | 1.85% | 0.84% |
| Residential Therms | 4,660,945 | 4,681,802 | 4,723,140 | 4,764,012 | 4,827,374 | 4,844,515 | 4,884,842 | 4,925,209 | 4,988,096 | 5,004,257 |
| Commercial Therms | 4,496,538 | 4,514,963 | 4,551,484 | 4,587,307 | 4,644,103 | 4,659,755 | 4,695,083 | 4,730,517 | 4,785,817 | 4,799,283 |
| Industrial Therms | 1,630,122 | 1,708,724 | 1,832,856 | 1,918,439 | 2,052,093 | 2,140,083 | 2,255,841 | 2,350,527 | 2,477,083 | 2,560,288 |
| Ind., Inst., & Cmcl. Interrup. Therms | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 | 1,188,234 |
| Total Core Therms | 11,975,839 | 12,093,723 | 12,295,714 | 12,457,992 | 12,711,805 | 12,832,588 | 13,024,001 | 13,194,487 | 13,439,231 | 13,552,062 |
| Daily Baseload Therms | 11,119 | 11,445 | 11,630 | 11,955 | 12,140 | 12,463 | 12,785 | 12,970 | 13,292 | 13,474 |
| Peak Day Therms | 128,546 | 129,779 | 131,713 | 132,920 | 134,878 | 136,787 | 138,033 | 139,976 | 141,202 | 143,146 |
| Therms Per Residential Customer | 571 | 569 | 569 | 569 | 572 | 569 | 569 | 570 | 572 | 570 |
| Therms Per Commercial Customer | 2,745 | 2,734 | 2,734 | 2,734 | 2,745 | 2,732 | 2,732 | 2,732 | 2,744 | 2,732 |
| Therms Per Industrial Customer | 39,438 | 40,048 | 41,343 | 42,010 | 43,354 | 43,824 | 44,744 | 45,348 | 46,373 | 46,692 |
| Residential Customers | 8,162 | 8,232 | 8,303 | 8,372 | 8,441 | 8,510 | 8,578 | 8,646 | 8,713 | 8,780 |
| Commercial Customers | 1,638 | 1,651 | 1,665 | 1,678 | 1,692 | 1,705 | 1,719 | 1,731 | 1,744 | 1,757 |
| Industrial Customers | 41 | 43 | 44 | 46 | 47 | 49 | 50 | 52 | 53 | 55 |
| Interruptible Customers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Core Customers | 9,842 | 9,927 | 10,013 | 10,097 | 10,181 | 10,265 | 10,348 | 10,430 | 10,512 | 10,593 |

| Oregon | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.40% | 1.46% | 1.98% | 1.88% | 2.24% | 1.39% | 1.76% | 1.78% | 2.19% | 1.21% |
| Residential Therms | 57,249,249 | 58,238,963 | 59,491,556 | 60,757,195 | 62,311,979 | 63,320,149 | 64,624,654 | 65,946,454 | 67,576,565 | 68,619,785 |
| Commercial Therms | 37,050,147 | 37,415,271 | 37,904,581 | 38,399,734 | 39,051,309 | 39,349,183 | 39,815,441 | 40,274,115 | 40,896,584 | 41,184,153 |
| Industrial Therms | 7,672,263 | 7,845,476 | 8,200,083 | 8,472,147 | 8,727,802 | 8,989,508 | 9,230,410 | 9,510,568 | 9,845,068 | 9,980,523 |
| Ind., Inst., & Cmcl. Interrup. Therms | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 | 2,418,468 |
| Total Core Therms | 104,390,126 | 105,918,177 | 108,014,688 | 110,047,544 | 112,509,558 | 114,077,307 | 116,088,973 | 118,149,605 | 120,736,685 | 122,202,929 |
| Daily Baseload Therms | 93,872 | 95,728 | 97,808 | 99,787 | 101,532 | 103,503 | 105,381 | 107,284 | 109,300 | 110,913 |
| Peak Day Therms | 1,092,691 | 1,112,132 | 1,133,972 | 1,153,992 | 1,173,732 | 1,194,503 | 1,213,906 | 1,234,959 | 1,255,590 | 1,275,854 |
| Therms Per Residential Customer | 11,740 | 11,689 | 11,689 | 11,688 | 11,739 | 11,686 | 11,686 | 11,686 | 11,738 | 11,686 |
| Therms Per Commercial Customer | 66,420 | 66,137 | 66,131 | 66,147 | 66,416 | 66,150 | 66,144 | 66,125 | 66,400 | 66,166 |
| Therms Per Industrial Customer | 342,606 | 341,781 | 350,632 | 353,055 | 355,917 | 356,529 | 357,342 | 359,421 | 363,219 | 362,047 |
| Residential Customers | 82,638 | 84,408 | 86,204 | 88,020 | 89,854 | 91,708 | 93,583 | 95,475 | 97,388 | 99,322 |
| Commercial Customers | 12,272 | 12,443 | 12,608 | 12,772 | 12,933 | 13,091 | 13,246 | 13,397 | 13,547 | 13,694 |
| Industrial Customers | 240 | 246 | 252 | 258 | 264 | 270 | 276 | 283 | 289 | 294 |
| Interruptible Customers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| Total Core Customers | 95,155 | 97,100 | 99,068 | 101,054 | 103,055 | 105,072 | 107,108 | 109,159 | 111,228 | 113,314 |

| Washington | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.02% | 1.25% | 1.65% | 1.65% | 2.02% | 1.20% | 1.59% | 1.58% | 1.97% | 1.14% |
| Residential Therms | 149,319,099 | 151,145,566 | 153,585,011 | 156,061,015 | 159,219,548 | 161,071,941 | 163,630,076 | 166,221,984 | 169,550,122 | 171,445,861 |
| Commercial Therms | 116,078,568 | 117,559,001 | 119,500,794 | 121,509,066 | 124,002,792 | 125,505,200 | 127,545,483 | 129,622,939 | 132,233,907 | 133,821,357 |
| Industrial Therms | 16,510,808 | 16,763,248 | 17,159,339 | 17,525,309 | 17,907,780 | 18,218,351 | 18,539,153 | 18,825,266 | 19,162,753 | 19,395,379 |
| Ind., Inst., & Cmcl. Interrup. Therms | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 | 3,833,308 |
| Total Core Therms | 285,741,783 | 289,301,123 | 294,078,452 | 298,928,697 | 304,963,428 | 308,628,800 | 313,548,020 | 318,503,497 | 324,780,089 | 328,495,905 |
| Daily Baseload Therms | 269,343 | 273,783 | 278,276 | 282,797 | 287,286 | 292,031 | 296,551 | 301,078 | 305,674 | 310,301 |
| Peak Day Therms | 2,850,160 | 2,893,699 | 2,938,454 | 2,983,335 | 3,029,583 | 3,076,428 | 3,123,332 | 3,170,733 | 3,219,656 | 3,268,654 |
| Therms Per Residential Customer | 36,038 | 35,895 | 35,873 | 35,961 | 36,040 | 35,892 | 35,880 | 35,921 | 36,024 | 35,882 |
| Therms Per Commercial Customer | 191,641 | 184,383 | 183,892 | 189,686 | 192,763 | 191,778 | 191,963 | 191,970 | 193,199 | 191,877 |
| Therms Per Industrial Customer | 784,047 | 782,632 | 789,416 | 790,418 | 794,506 | 794,391 | 794,602 | 795,409 | 798,227 | 795,225 |
| Residential Customers | 226,559 | 230,293 | 234,066 | 237,880 | 241,733 | 245,629 | 249,565 | 253,544 | 257,569 | 261,611 |
| Commercial Customers | 32,202 | 32,744 | 33,292 | 33,849 | 34,410 | 34,978 | 35,555 | 36,138 | 36,728 | 37,325 |
| Industrial Customers | 652 | 666 | 678 | 694 | 707 | 721 | 736 | 748 | 761 | 774 |
| Interruptible Customers | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Total Core Customers | 259,423 | 263,713 | 268,046 | 272,432 | 276,860 | 281,338 | 285,865 | 290,441 | 295,068 | 299,720 |

| System | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Therms Pct. Growth | 2.12% | 1.30% | 1.74% | 1.71% | 2.08% | 1.25% | 1.64% | 1.63% | 2.03% | 1.16% |
| Residential Therms | 206,568,348 | 209,384,529 | 213,076,566 | 216,818,210 | 221,531,527 | 224,392,090 | 228,254,730 | 232,168,438 | 237,126,687 | 240,065,646 |
| Commercial Therms | 153,128,715 | 154,974,272 | 157,405,375 | 159,908,800 | 163,054,101 | 164,854,383 | 167,360,924 | 169,897,054 | 173,130,490 | 175,005,510 |
| Industrial Therms | 24,183,071 | 24,608,724 | 25,359,423 | 25,997,456 | 26,635,582 | 27,207,859 | 27,769,563 | 28,335,834 | 29,007,821 | 29,375,902 |
| Ind., Inst., & Cmcl. Interrup. Therms | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 | 6,251,776 |
| Total Core Therms | 390,131,910 | 395,219,300 | 402,093,139 | 408,976,241 | 417,472,986 | 422,706,108 | 429,636,993 | 436,653,102 | 445,516,774 | 450,698,833 |
| Daily Baseload Therms | 363,214 | 369,510 | 376,084 | 382,584 | 388,817 | 395,535 | 401,933 | 408,362 | 414,973 | 421,214 |
| Peak Day Therms | 3,942,851 | 4,005,830 | 4,072,426 | 4,137,327 | 4,203,315 | 4,270,931 | 4,337,238 | 4,405,692 | 4,475,245 | 4,544,508 |
| Therms Per Residential Customer | 47,778 | 47,584 | 47,562 | 47,650 | 47,779 | 47,578 | 47,565 | 47,607 | 47,763 | 47,568 |
| Therms Per Commercial Customer | 258,061 | 250,519 | 250,024 | 255,833 | 259,179 | 257,928 | 258,107 | 258,095 | 259,599 | 258,043 |
| Therms Per Industrial Customer | 1,126,653 | 1,124,413 | 1,140,048 | 1,143,473 | 1,150,424 | 1,150,920 | 1,151,943 | 1,154,830 | 1,161,446 | 1,157,272 |
| Residential Customers | 309,197 | 314,701 | 320,271 | 325,899 | 331,587 | 337,336 | 343,148 | 349,019 | 354,957 | 360,933 |
| Commercial Customers | 44,475 | 45,187 | 45,900 | 46,621 | 47,343 | 48,069 | 48,800 | 49,535 | 50,275 | 51,020 |
| Industrial Customers | 892 | 911 | 930 | 952 | 971 | 991 | 1,012 | 1,031 | 1,050 | 1,068 |
| Interruptible Customers | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Total Core Customers | 354,578 | 360,813 | 367,115 | 373,486 | 379,915 | 386,411 | 392,974 | 399,600 | 406,296 | 413,034 |

# Appendix C

# Regulatory Compliance Matrix

# 2018 OR IRP Final

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| **Order No. 07-047** | | |
| Guideline (1)(a) | All resources must be evaluated on a consistent and comparable basis | Completed throughout the IRP, Section 7 provides an in-depth analysis of the resources considered in the derivation of Cascade's preferred portfolio. |
| | All known resources for meeting the utility's load should be considered, including supply-side options which focus on the generation, purchase and transmission of power – or gas purchases, transportation, and storage – and demand side options which focus on conservation and demand response. | Completed throughout the IRP, Section 7 provides an in-depth analysis of the resources considered in the derivation of Cascade's preferred portfolio. Demand side options are discussed in Section 6. |
| | Consistent assumptions and methods should be used for evaluation of all resources. | Cascade uses consistent assumptions and methods while evaluating all resources throughout the IRP. |
| | The after-tax marginal weighted-average cost of capital (WACC) should be used to discount all future resource costs. | Cascade uses the after-tax marginal weighted-average cost of capital in all calculations involving discounted future resource costs. This is discussed in Section 5. |
| Guideline (1)(b) | Risk and uncertainty must be considered. | Cascade uses Value-at-risk (VAR) analysis to capture the intrinsic and extrinsic value of all resources. This is discussed in Section 7. |
| | At a minimum, utilities should address the following: sources of risk and uncertainty: Natural gas utilities: demand (peak, swing and baseload), commodity supply and price, transportation availability and price, and costs to comply with any regulation of greenhouse gas emissions. | Cascade performs Monte Carlo Simulations in SENDOUT to stochastically evaluate scenarios and sensitivities related to demand (peak, swing and baseload), commodity supply and price, transportation availability and price, and costs to comply with any regulation of greenhouse gas emissions. This is discussed in Section 7. |

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| **Citation** | **Requirement** | **Compliance** |
| | Utilities should identify in their plans any additional sources of risk and uncertainty. | All sources of risk and uncertainty are discussed in Section 7. |
| Guideline (1)(c) | The primary goal must be the selection of a portfolio of resources with the best combination of expected costs and associated risks and uncertainties for the utility and its customers. | Cascade uses VaR analysis to capture the intrinsic and extrinsic value of all resources, and select the portfolio with the best combination of expected costs and associated risks and uncertainties for the utility and its customers. This is discussed in Section 7. |
| | The planning horizon for analyzing resource choices should be at least 20 years and account for end effects. Utilities should consider all costs with a reasonable likelihood of being included in rates over the long term, which extends beyond the planning horizon and the life of the resource. | Cascade performs its analysis over a 20-year or longer time horizon throughout the IRP. All cost analysis includes any projected costs that may extend beyond the 20-year horizon. |
| | Utilities should use present value of revenue requirement (PVRR) as the key cost metric. The plan should include analysis of current and estimated future costs for all long-lived resources such as power plants, gas storage facilities, and pipelines, as well as all short-lived resources such as gas supply and short-term power purchases. | Cascade uses PVRR as the key metric to rank its candidate portfolios. This cost figure includes all current and estimated future costs for the resources within each portfolio. This analysis is in Section 7. |
| | To address risk, the plan should include, at a minimum: | |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
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| **Citation** | **Requirement** | **Compliance** |
| | 1. Two measures of PVRR risk: one that measures the variability of costs and one that measures the severity of bad outcomes. | Cascade uses Monte Carlo analysis to measure the variability of costs, and VaR analysis to measure the impact of severe outcomes. Cascade views any portfolio containing unserved demand as unacceptable. |
| | 2. Discussion of the proposed use and impact on costs and risks of physical and financial hedging. | Section 4 discusses the Company's approach to financial derivatives. Additionally, CNGC is contributing to a docket regarding our Hedging Strategies for LDC's and the possibility of Financial Hedges. |
| | The utility should explain in its plan how its resource choices appropriately balance cost and risk. | Cascade uses VaR analysis to appropriately balance intrinsic and extrinsic costs. This is mainly discussed in Section 7. |
| Guideline 1(d) | The plan must be consistent with the long-run public interest as expressed in Oregon and federal energy policies. | This IRP is consistent with the long-run public interest. Discussion of Oregon and national energy policies can be found in Section 6. |
| Guideline 2(a) | The public, which includes other utilities, should be allowed significant involvement in the preparation of the IRP. Involvement includes opportunities to contribute information and ideas, as well as to receive information. Parties must have an opportunity to make relevant inquiries of the utility formulating the plan. Disputes about whether information requests are relevant or unreasonably burdensome, or whether a utility is being properly responsive, may be submitted to the Commission for resolution. | Cascade ensures that stakeholders have access to materials and can make comments. The company is always willing to meet with stakeholders to further explain any topics of interest. Further information about public participation can be found in Appendix A. |
| Guideline 2(b) | While confidential information must be protected, the utility should make | Cascade ensures that stakeholders have access to materials and can make comments. The company is always willing to meet with stakeholders to |

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|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | public, in its plan, any non-confidential information that is relevant to its resource evaluation and action plan. Confidential information may be protected through use of a protective order, through aggregation or shielding of data, or through any other mechanism approved by the Commission. | further explain any topics of interest. Further information about public participation can be found in Appendix A. |
| Guideline 2(c) | The utility must provide a draft IRP for public review and comment prior to filing a final plan with the Commission. | The 2018 Oregon Draft IRP has been filed on 11/06/2017. It will be posted on the CNGC website and filed with the OPUC. There were no hard copies produced. |
| Guideline 3(a) | A utility must file an IRP within two years of its previous IRP acknowledgment order. If the utility does not intend to take any significant resource action for at least two years after its next IRP is due, the utility may request an extension of its filing date from the Commission. | This IRP is filed within Oregon Commission deadlines. |
| Guideline 3(b) | The utility must present the results of its filed plan to the Commission at a public meeting prior to the deadline for written public comment. | This will be completed when the meeting is scheduled. |
| Guideline 3(c) | Commission staff and parties should complete their comments and recommendations within six months of IRP filing. | To be completed by Staff. |
| Guideline 3(d) | The Commission will consider comments and recommendations on a utility's plan | To be completed by Staff. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
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| **Citation** | **Requirement** | **Compliance** |
| | at a public meeting before issuing an order on acknowledgment. The Commission may provide the utility an opportunity to revise the plan before issuing an acknowledgment order. | |
| Guideline 3(e) | The Commission may provide direction to a utility regarding any additional analyses or actions that the utility should undertake in its next IRP. | To be completed by Staff. |
| Guideline 3(f) | Each utility must submit an annual update on its most recently acknowledged plan. The update is due on or before the acknowledgment order anniversary date. Once a utility anticipates a significant deviation from its acknowledged IRP, it must file an update with the Commission, unless the utility is within six months of filing its next IRP. The utility must summarize the update at a Commission public meeting. The utility may request acknowledgment of changes in proposed actions identified in an update. | Cascade filed its most recent update on 02/03/2017. Cascade plans to continue to comply with this guideline. |
| Guideline 3(g) | Unless the utility requests acknowledgement of changes in proposed actions, the annual update is an informational filing that: | |
| | Describes what actions the utility has taken to implement the plan; | Cascade filed its most recent update on 02/03/2017. Cascade plans to continue to comply with this guideline. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | Provides an assessment of what has changed since the acknowledgment order that affects the action plan, including changes in such factors as load, expiration of resource contracts, supply-side and demand-side resource acquisitions, resource costs, and transmission availability; and | Cascade filed its most recent update on 02/03/2017. Cascade plans to continue to comply with this guideline. |
| | Justifies any deviations from the acknowledged action plan. | Cascade filed its most recent update on 02/03/2017. Cascade plans to continue to comply with this guideline. |
| Guideline 4 | At a minimum, the plan must include the following elements: | |
| Guideline 4(a) | An explanation of how the utility met each of the substantive and procedural requirements; | Cascade has filled out a compliance matrix to meet this requirement. Information regarding the compliance matrix can be found in Appendix C. |
| Guideline 4(b) | Analysis of high and low load growth scenarios in addition to stochastic load risk analysis with an explanation of major assumptions; | Cascade uses VaR analysis to stochastically test its preferred portfolio in a variety of scenarios, including high and low load growth, limited availability of supplies, and limited availability of storage. This analysis along with an explanation of the major assumptions is discussed in Section 7. |
| Guideline 4(c) | For electric utilities, . . . | Not applicable |
| Guideline 4(d) | For natural gas utilities, a determination of the peaking, swing and base-load gas supply and associated transportation and storage expected for each year of the plan, given existing resources; and identification of gas supplies (peak, swing and base-load), transportation and storage needed to bridge the gap between expected loads and resources; | Section 4 of the IRP discusses the various supply, storage, and transportation resources available for each year of the plan. Additionally, Section 7 of the IRP graphically identifies the mix of existing and incremental resources used to meet expected loads on a peak day and annual basis. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| Guideline 4(d) | Identification and estimated costs of all supply-side and demand-side resource options, taking into account anticipated advances in technology; | Appendix E outlines the estimated costs of supply side resource options and Appendix D outlines the estimated costs of all demand-side resource options. |
| Guideline 4(d) | Analysis of measures the utility intends to take to provide reliable service, including cost-risk tradeoffs; | Cascade discusses the measures that will be taken to provide reliable service in Section 7. This plan includes the cost-risk tradeoffs evaluated in the VaR analysis which can be found in Section 7. |
| Guideline 4(e) | Identification of key assumptions about the future (e.g., fuel prices and environmental compliance costs) and alternative scenarios considered; | Cascade uses VaR analysis to stochastically test its preferred portfolio in a variety of scenarios and sensitivities, including high and low load growth, limited availability of storage, and various environmental compliance cost scenarios. This analysis along with an explanation of the major assumptions is discussed in Section 7. |
| Guideline 4(f) | Analysis of measures the utility intends to take to provide reliable service, including cost-risk tradeoffs; | Cascade discusses the measures that will be taken to provide reliable service in Section 7. This plan includes the cost-risk tradeoffs evaluated in the VaR analysis which can be found in Section 7. |
| Guideline 4(g) | Identification of key assumptions about the future (e.g., fuel prices and environmental compliance costs) and alternative scenarios considered; | Cascade uses VaR analysis to stochastically test its preferred portfolio in a variety of scenarios and sensitivities, including high and low load growth, limited availability of storage, and various environmental compliance cost scenarios. This analysis along with an explanation of the major assumptions is discussed in Section 7. |
| Guideline 4(h) | Construction of a representative set of resource portfolios to test various operating characteristics, resource types, fuels and sources, technologies, lead times, in-service dates, durations and general locations – system-wide or delivered to a specific portion of the system; | Discussion of the representative set of portfolios can be found in Section 7. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| Guideline 4(i) | Evaluation of the performance of the candidate portfolios over the range of identified risks and uncertainties; | Discussion of the performance of the candidate portfolio over a range of scenarios and sensitivities can be found in Section 7. |
| Guideline 4(j) | Results of testing and rank ordering of the portfolios by cost and risk metric, and interpretation of those results; | Results of the testing and rank order of the portfolios by cost and risk metric, along with an interpretation of those results, can be found in Section 7. |
| Guideline 4(k) | Analysis of the uncertainties associated with each portfolio evaluated; | Cascade analyzes the uncertainties associated with each portfolio in its VaR analysis which can be found in Section 7. |
| Guideline 4(l) | Selection of a portfolio that represents the best combination of cost and risk for the utility and its customers; | Cascade has selected a portfolio that is the best combination of risk for the utility and its customers. Discussion of this portfolio can be found in Section 7. |
| Guideline 4(m) | Identification and explanation of any inconsistencies of the selected portfolio with any state and federal energy policies that may affect a utility's plan and any barriers to implementation; and | Cascade has not identified any inconsistencies with its preferred portfolio and state/federal energy policies. Discussion of Oregon and federal energy policies can be found in Section 6. |
| Guideline 4(n) | An action plan with resource activities the utility intends to undertake over the next two to four years to acquire the identified resources, regardless of whether the activity was acknowledged in a previous IRP, with the key attributes of each resource specified as in portfolio testing. | Cascade's two-year action plan can be found in Section 10. |
| Guideline 5 | Electric Transmission | Not applicable. |
| Guideline 6(a) | Each utility should ensure that a conservation potential study is conducted periodically for its entire service territory. | Cascade partners with the Energy Trust of Oregon (ETO) for its conservation efforts in Oregon. Conservation efforts are discussed in Section 6. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| Guideline 6(b) | To the extent that a utility controls the level of funding for conservation programs in its service territory, the utility should include in its action plan all best cost/risk portfolio conservation resources for meeting projected resource needs, specifying annual savings targets. | Cascade partners with the Energy Trust of Oregon (ETO) for its conservation efforts in Oregon. Conservation efforts are discussed in Section 6. The impact of conservation on resource needs are integrated in Section 7. |
| Guideline 6(c) | To the extent that an outside party administers conservation programs in a utility's service territory at a level of funding that is beyond the utility's control, the utility should:<br>• Determine the amount of conservation resources in the best cost/risk portfolio without regard to any limits on funding of conservation programs; and<br>• Identify the preferred portfolio and action plan consistent with the outside party's projection of conservation acquisition. | Cascade partners with the Energy Trust of Oregon (ETO) for its conservation efforts in Oregon. Conservation efforts are discussed in Section 6. The impact of conservation on resource needs are integrated in Section 7. |
| Guideline 7 | Plans should evaluate demand response resources, including voluntary rate programs, on par with other options for meeting energy, capacity, and transmission needs (for electric utilities) or gas supply and transportation needs (for natural gas utilities). | In Section 6, the Company explains that it offers interruptible service as a voluntary option to customers in both Oregon and Washington, and that this offering is a load management program. Section 4, Supply Side Resources discusses interruptible service as a needle-peaking supply-side resource. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| Guideline 8 (revised – new guideline is from Order No. 08-339) | a. BASE CASE AND OTHER COMPLIANCE SCENARIOS: The utility should construct a base-case scenario to reflect what it considers to be the most likely regulatory compliance future for carbon dioxide ($CO_2$), etc. The utility also should develop several compliance scenarios ranging from the present $CO_2$ regulatory level to the upper reaches of credible proposals by governing entities. Each compliance scenario should include a time profile of $CO_2$ compliance requirements. The utility should identify whether the basis of those requirements, or "costs" would be $CO_2$ taxes, a ban on certain type of resources, or $CO_2$ caps (with or without flexibility mechanism such as allowance or credit trading or a safety valve). The analysis should recognize significant and important upstream emissions that would likely have a significant impact on its resource decisions. | Cascade's base-case scenario contains what the Company expects the cost for regulatory compliance to be. In its stochastic analysis, Cascade performs a sensitivity analysis of the VaR that results from a range of $CO_2$ related regulatory costs. The results of this can be found in Section 7. Additional discussion of Carbon compliance can be found in Section 6. |
| | b. TESTING ALTERNATIVE PORTFOLIOS AGAINST THE COMPLIANCE SCENARIOS: The utility should estimate, under each of the | Cascade uses PVRR as the key metric to rank its candidate portfolios. This cost figure includes all current and estimated future costs for the resources within each portfolio. This analysis is in Section 7. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | compliance scenarios, the present value of revenue requirement (PVRR) costs and risk measures, over at least 20 years, for a set of reasonable alternative portfolios from which the preferred portfolio is selected. The utility should incorporate end-effect considerations in the analyses to allow for comparisons of portfolios containing resources with economic or physical lives that extend beyond the planning period. The utility should also modify projected lifetimes as necessary to be consistent with the compliance scenario under analysis. In addition, the utility should include, if material, sensitivity analyses on a range of reasonably possible regulatory scenario futures for nitrogen oxide, sulfur oxides, and mercury to further inform the preferred portfolio selection. | |
| | c. TRIGGER POINT ANALYSIS: The utility should identify at least one CO2 compliance "turning point" scenario which, if anticipated now, would lead to, or "trigger" the selection of a portfolio of resources that is | Cascade analyzed a wide variety of extreme carbon scenarios. No carbon scenario created a substantial difference in the preferred portfolio. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | substantially different from the preferred portfolio. The utility should develop a substitute portfolio appropriate for this trigger-point scenario and compare the substitute portfolio's expected cost and risk performance to that of the preferred portfolio – under the base case and each of the above CO2 compliance scenarios. The utility should provide its assessment of whether a CO2 regulatory future that is equally or more stringent than the identified trigger point will be mandated. | |
| | d. OREGON COMPLIANCE PORTFOLIO: If none of the above portfolios is consistent with Oregon energy policies (including state goals for reducing GHGs) as those policies are applied to the utility, the utility should construct the best cost/risk portfolio that achieves that consistency, present its cost and risk parameters, and compare it to those of the preferred and alternative portfolios. | All of Cascade's candidate portfolios are consistent with Oregon energy policies. |
| Guideline 9 | An electric utility's . . . | Not applicable |
| Guideline 10 | Natural gas utilities should analyze, on an integrated basis, gas supply, | Section 4 of the IRP discusses the various supply, storage, and transportation resources available for each year of the plan. Additionally, |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | transportation, and storage, along with demand side resources, to reliably meet peak, swing, and base-load system requirements. Electric and natural gas utility plans should demonstrate that the utility's chosen portfolio achieves its stated reliability, cost and risk objectives. | Section 7 of the IRP graphically identifies the mix of existing and incremental resources used to meet expected loads on peak day and annually. |
| Guideline 12 | Electric utilities should. . . | Not applicable |
| Guideline 13(a) | Electric utilities should. . . | Not applicable |
| Guideline 13(b) | Natural gas utilities should either describe in the IRP their bidding practices for gas supply and transportation, or provide a description of those practices following IRP acknowledgment. | Cascade's bidding practices for gas supply and transportation can be found in Section 4. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| **Order No. 11-196, UM 1286, PGA Guidelines** | | |
| Appendix, Page 2 of 16, No. 1 | For natural gas utilities, each IRP preparation process and final published IRP will address both planning to meet normal annual expected demand (as defined by the LOC - both base-load and swing) by day and planning to meet annual peak demand by day. The planning will include gas supply and associated transportation along with expected use of storage. | Section 4 of the IRP discusses the various supply, storage, and transportation resources available for each year of the plan. Additionally, Section 7 of the IRP graphically identifies the mix of existing and incremental resources used to meet expected loads on peak day and annually. |
| Appendix, Page 3 & 4 of 16, No. 6 | As part of the PGA filing, final IRP submission, and general rate case filing each LDC will include an attestation that it has verified, to the best of its knowledge, the historical values for (but not limited to) customer number, sales volumes, etc. are consistent if not totally equivalent among the following:<br>a) All filings with FERC and the Securities and Exchange Commission (SEC);<br>b) Results of operations reports submitted to the OPUC;<br>c) Most current IRP or IRP update;<br>d) Most recent PGA filing (final); and<br>e) Most recent general rate review filing.<br>If the LDC cannot make such an attestation it should explain the | Cascade has included this attestation in its 2018 IRP. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | variations and why these variations should be allowed. | |
| Appendix, Page 4 of 16, No. 7 | All forecasts of demand, weather, etc. upon which the gas supply portfolio for the current PGA filing is based should be based on a methodology and data sources that are consistent with the most recently acknowledged IRP or IRP update and most recently concluded general rate review for the utility. If the methodology and/or data sources are not consistent each difference should be identified, explained, and documented as part of the PGA as well as the IRP and general rate review filing work papers. | All of Cascade's forecasts used in the PGA filing are based on a methodology and data sources that are consistent with the 2014 Oregon IRP update. |
| **Order No. 16-054, Appendix A** | | |
| Page 5, No. 1 | Clearly show the plan to acquire all cost-effective energy efficiency. | Section 6 discusses Cascade's plan to acquire all cost-effective energy efficiency. |
| Page 5, No. 2 | Provide complete conservation resource potential results and inputs specific to Cascade only, not including results of other Energy Trust territories or for measures that do not apply to Cascade territory. | Conservation resource potential results and inputs can be found in Section 6. |
| Page 5, No. 3 | Provide updated data and explanations for the policies and methodologies used to inform the DSM analysis. | Policies and methodologies used to inform the DSM analysis is discussed in Section 6. |
| Page 5, No. 4 | Incorporate commercial market transformation savings similar to | Commercial market transformation savings are discussed in Section 6. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | residential methods and include an explanation for how those assumptions are derived and applied within the IRP. | |
| Page 5, No. 5 | Clearly document assumptions behind capacity contribution of energy efficiency and how the capacity value is incorporated into resource planning. | Assumptions behind capacity contribution of energy efficiency are documented in Section 6. |
| Page 5, No. 6 | Provide an explanation regarding how annual energy savings are translated into peak day demand and capacity resources. | The methodology behind the transformation of energy savings to peak day demand and capacity resources is discussed in Section 7. |
| Page 8, 1&2, Nos. 1 & 2 | Future Cascade IRPs include portfolio analyses and present the analysis results clearly delineating the three analysis steps, and how those steps progressively lead to identification of the preferred portfolio of resources. | Portfolio analysis and identification of the preferred portfolio can be found in Section 7. |
| Page 8, No. 3 | Future Cascade IRPs perform and clearly present this trade-off analysis. | This is discussed in Section 7. |
| Page 8, No. 5 | Future Cascade IRPs provide a clear, complete, and concise presentation of the portfolio analysis results in a single section of the IRP. | This is discussed in Section 7. |
| Page 9 | Staff recommends that Cascade work with Staff and other interested parties to develop a comprehensive database comprising of both economic and weather variables such as price, income, employment, different Heating Degree | Cascade has dramatically improved its forecast modeling for the 2018 IRP. Information about new modeling techniques can be found in Section 3. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | Days (HDD) cutoffs, seasonality, etc., and formulate alternative regression models to identify the drivers of the forecasted values and plausibility of the parameter estimates relative to the economic theory on demand for natural gas. | |
| Page 10 | Staff recommends that future Cascade IRPs include detailed descriptions of, and basis for, the gas purchasing plan and hedging strategy, as well as the gas purchasing risk management plan/policy/strategy. | Cascade includes a detailed description of its gas purchasing plan and hedging strategy in Section 4. |
| Page 10 | Staff also recommends that in the next IRP, Cascade comprehensively describe the rationale by which it chooses the hedging percentage levels, including upper limits of hedged gas based on the market environments (e.g., price levels, volatility, etc.), Cascade's risk tolerance (e.g., tolerance bands of potential losses), etc. In the meantime, Staff recommends that Cascade continue to apprise Staff and other parties during the recurring quarterly meetings of changes in the hedged gas percentage levels. | Cascade discusses its hedging practices in Section 4. |
| Page 11 | Staff recommends that future Cascade IRPs present separate listings of | A discussion of all distribution system projects can be found in Section 8. |

| Cascade Natural Gas<br>Oregon IRP<br>Regulatory Compliance | | |
|---|---|---|
| **Citation** | **Requirement** | **Compliance** |
| | enhancement projects from the other projects. | |
| Page 12 | Staff recommends for future IRPs that Cascade inform the Commission in its IRP of the price of renewable natural gas as compared to traditional source of natural gas, and report to the Commission how much renewable natural gas it purchased between the IRP filing years. | Cascade discusses this in Section 4. Cascade has not purchased any renewable natural gas. |
| Page 12 | Staff also recommends that Cascade report its EPA's Greenhouse Inventory Report information to the Commission in each of its future IRPs for each year preceding each IRP. | Subpart NN emissions for Oregon in 2016 was 496,310 Metric Tons of $CO_{2e}$ |
| Page 12 | Staff recommends that Cascade evaluate its staffing approach and make changes where needed, to ensure that its required regulatory IRP activities are performed on schedule and in compliance with Commission requirements. | Cascade has made enhancements to its staffing, adding two new analysts and retaining the services of a consultant for the 2018 IRP. |
| Page 13 | Staff recommends that future IRPs use the Executive Summary to summarize the contents of the IRP, rather than to present additional information. | Cascade's executive summary now summarizes the contents of the IRP, this can be found in Section 1. |

# Appendix D

# Demand Side Management

# 2018 OR IRP Final

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## Introduction

Cascade Natural Gas Corporation has developed this Conservation Plan in consultation with its Conservation Advisory Group (CAG) as a roadmap to the 2017 and 2018 near term conservation strategy for reducing consumption through its Conservation Incentive Programs.

In this second rendition of the Conservation Plan, the Company has completed transitioning from its traditional planning document housed in the Integrated Resource Plan (IRP) to this standalone plan. Several Conservation Advisory Group (CAG) meetings have been held in the past year to clarify the elements of the Company's DSM efforts that stakeholders would like to see addressed in the IRP, and those which are more appropriately housed within the Conservation Plan. As a result, the following allocation of planning information can be found between these two documents:

1) An executive summary of the potential forecasting of the Company's energy-efficiency efforts remains in the Demand Side Management (DSM) chapter of the IRP. 2) General discussion around DSM including environmental externalities, regional energy planning and legislative impacts have also remained a part of the IRP. In contrast, the Conservation Plan places its focus on potential and near-term conservation program planning versus the long term 20 year outlook inherent in the IRP.

The Company's Conservation Plan, provided below, will discuss the potential savings determined for the Cascade Natural Gas Corporation (CNGC) Washington service territory through the Company's TEA-Pot (**T**echnical **E**conomic **A**chievable **Pot**ential) modeling tool provided by Nexant Inc. In order to parallel the format of Conservation Plans provided by other utilities in Washington State, this document will demonstrate the Company's immediate (two year) conservation goals as well as the 10 year forecast of savings.

The Company is approaching the 2017 Calendar Year as an opportunity to further refine a significantly matured program by incorporating improvements that were introduced in 2016 and will continue into early 2017. Updated elements to the CIP include enhancements to program reporting, increased transparency in potential planning, strategic process development and tracking and the implementation of a new software platform to support in-house residential rebate processing activities. As mentioned in the previous Conservation Plan, the Company transitioned from a third party residential program delivery vendor in January 2016 to an internal delivery model for the residential incentive programs. The Company additionally purchased a companion software platform to enable processing of applications. This significant evolution in the Company's approach to residential program delivery has allowed more direct control of the customer experience throughout the CIP rebate process, while providing greater insight into areas of opportunity for further penetration of the Conservation program throughout our Washington territory. This move toward internal

implementation has enabled the Company to tailor its reporting and tracking to more succinctly align with program strategy. Changes to the Company's program delivery strategy are further described under the Residential Program Delivery Changes from 2016 heading in this document.

## Overview

Demand Side Management refers to resources acquired through the reduction of natural gas consumption due to increases in efficiency of energy use and/or load management. Unlike supply side resources, which are purchased directly from a supplier, demand side resources are purchased from individual customers in the form of energy that remains unused as the result of energy efficiency. The Washington Utility and Transportation Commission requires gas utilities to consider cost-effective DSM resources in their energy portfolio on an equal and comparable basis with supply side resources. In the gas industry, DSM resources are conservation measures that include, but are not limited to ceiling, wall and floor insulation, higher efficiency gas appliances, insulated doors, ventilation heat recovery systems and weather stripping. By incenting customers to reduce their demand for gas, Cascade can displace the need to purchase additional gas supplies, displace or delay contracting for incremental pipeline capacity, and possibly displace or delay the need for reinforcements on the Company's distribution system. It's also important to acknowledge the Company can prompt and encourage customers to reduce their use, but in due course it's up to the end user to elect to reduce their usage and recognize the values inherent in energy efficiency - ultimately resulting in reduced consumption and load management as encouraged by Company messaging and incentives.

There are two basic types of demand side resources: baseload resources and heat sensitive resources. Baseload resources displace the need for baseload supply-side resources. They will offset gas supply requirements throughout the year, regardless of the weather and outside conditions. Baseload DSM resources include equipment like high efficiency water heaters, higher efficiency cooking equipment and Ozone Injection Laundry systems. Heating load sensitive DSM resources are measures whose therm savings increase during cold weather (meaning the measure is used more often during colder weather). For example, a high efficiency furnace will lower therm usage in the winter months when the furnace is utilized the most and will provide little if any savings in the summer months when the furnace is rarely used. Examples of heating load sensitive DSM measures include ceiling, floor, and wall insulation measures, high efficiency gas furnaces, and improvements to ducts and air sealing. These types of heat sensitive measures offset more of the peaking or seasonal gas supply resources, which are typically more expensive than baseload supplies.

### *Program Goals & Budgets– at a glance 2017 & 2018*

**Table 1**
**CIP Goals 2017 & 2018**

| | Calendar Year 2017 | | | | Calendar Year 2018 | | | |
|---|---|---|---|---|---|---|---|---|
| | Residential | Commercial Industrial | Low Income[3] | Total | Residential | Commercial Industrial | Low Income[3] | Total |
| **Administrative Budget[1]** | $550,000 | $1,000,000 | $8,911 | $1,558,911 | $566,500 | $1,03,000 | $8,911 | $1,605,411 |
| **Therm Targets[2]** | 323,878 | 515,998 | 15,000 | 854,876 | 331,357 | 545,217 | 15,000 | 891,574 |
| NEEA Natural Gas Market Transformation | | | | $313,174 | | | | $452,285 |

*1. Note budgets are estimates and are referring to administrative budgets for program implementation, not rebate payments to customers.*
*2. Therm targets from this graph have been developed through the TEA-Pot modeling tool inclusive of administrative costs. These targets are aspirational targets. The Company will actively work toward achievement of these goals, but it is important to recognize program cost-effectiveness is the primary metric of success*
*3Following the submission and approval of a revised LI-WIP tariff to the WUTC, Cascade will refine the anticipated therm savings and budgetary targets for the LI program as appropriate*

For reference, the Company has provided a comparison of the past three years of achieved overall savings contrasted with the IRP goals below. Please note 2016 achievements will be provided as part of the Company's Annual Conservation Report which is released on June 1 of the following calendar year. It should also be noted 2014 IRP goals were not officially acknowledged by the WUTC. The last set of acknowledged goals was provided as part of the 2012 IRP. The 2012 IRP goals for CY 2015 (843,000 therms) and CY 2016 (927,000 therms) were developed prior to the development of the Company's TEA-Pot model. Use of the TEA-Pot modeling tool has enabled the Company to significantly refine the forecast inputs to reflect the Company's distinct customer service territory.

**Table 2**
**Historic Program Achievements compared to Goal**

| | Year | Goal | Actual | Difference |
|---|---|---|---|---|
| **2012 IRP** | 2013 | 510,511 | 471,431 | **-8%** |
| | 2014 | 566,150 | 641,615 | **13%** |
| **2014 IRP** | 2015 | 584,449 | 831,501 | **42%** |
| | 2016 | 620,020 | Not yet available | Not yet available |

## Program Cost Effectiveness

Conservation program offerings are affected by declines and increases in the costs of natural gas in the marketplace. A decrease in the cost of gas makes it difficult to maintain

robust conservation programs as a utility, whereas gas price increases make conservation efforts more viable from a cost/benefit perspective. Despite these ongoing considerations, the Company continues its commitment to offering meaningful conservation programs to help drive customer decisions toward higher-efficiency appliances and upgrades. In CY 2013/2014 the Company had a fully customized Conservation Potential Assessment performed by Nexant Inc. which specifically included analysis on its potential from both the Total Resource Cost (TRC) test, and Utility Cost Test (UCT). While the Company had previously assessed program cost effectiveness under both tests, this was the first time the Company utilized both the TRC and UCT at the potential modeling phase of program development. This approach reflected guidance from the UG-121207 Conservation Policy Statement from the Washington Utility and Transportation Commission (WUTC), which stated program valuation under the UCT was acceptable in the absence of a fully refined and sophisticated TRC instrument. The Company held multiple discussions with its CAG related to the policy statement, and ultimately move towards the UCT as its primary valuation metric, with TRC as its secondary. This alteration allowed the Company to maintain its Washington programs despite fluctuations in the cost of gas, while recognizing the value of the efforts from a utility provider's perspective of decreasing demand.

***Docket UG-121207 Policy Statement on the Evaluation of the Cost-Effectiveness of Natural Gas Conservation Programs***

The Policy statement, released in October 2013, provided the Company with guidance on evaluating the cost effectiveness of its natural gas conservation programs. As per the policy's guidelines the Company elected to utilize the UCT in consultation with its CAG. The use of the UCT, as opposed to the traditional TRC method, allows the Company to maintain a continued, robust conservation portfolio of measures.

Washington Utilities and Transportation Commission Docket UG-121207 offers guidance regarding the optimal method for the valuation of natural gas conservation efforts in the State of Washington. This document thoroughly addresses best practices for measuring cost-effectiveness as reflected in WUTC's guidance that: "[W]e are unwilling to allow utilities to end natural gas conservation programs as a result of an unbalanced or incomplete TRC analysis. Any TRC analysis without these values [conservation's risk reduction value, the downward price pressure from reduced demand, and non-energy benefits] is potentially biased against conservation programs. Accordingly, the UCT is an acceptable option when a properly balanced TRC is not available."[1]

The Policy statement also addressed the use of discount rates in cost-effectiveness calculations. The Company has worked closely with its CAG to determine the appropriate

[1] Washington Utilities and Transportation Docket UG-121207 – Policy Statement on the Evaluation of the Cost-Effectiveness of Natural Gas Conservation Programs pg. 14-15

rate to use when calculating the net present value of its annual costs and benefits from the conservation programs. It was determined Cascade would initially use the long-term discount rate as had previously been used to enable the programs to remain in place at their existing levels and to prevent removal of a significant amount of measures due to a severe discounting scenario, as would have been the case had the Company utilized the Weighted Average Cost of Capital (WACC). As part of the Company's efforts to maintain consistency throughout its forecasting efforts and IRP documentation, the Company has transitioned to using the average 30 Year Mortgage Rate as the long term discount rate – which will be reevaluated annually as part of the Company's IRP process. For 2016, the long term discount rate used is 3.52%.

## Measure Updates

As the energy efficiency market continues to develop and cost-effective conservation technologies become increasingly available, the equipment standards and accessibility to such measures will evolve over time. In order to ensure the Company's DSM offerings stay current, Cascade engages in a regular review of the measure-mix within its conservation portfolio. Measures are added, removed, replaced, or modified when it is determined new technologies of equal or greater cost-effectiveness are available to the market. However, the emergence of a high-performance natural gas conservation technology will only have positive energy-savings impacts if customers are willing to pay the initial higher costs associated with the purchase and installation of cutting edge efficiency measures. Therefore market transformation efforts are essential to increasing accessibility to purchasers while decreasing costs to the consumer. This paves the way for future higher-efficiency choices and actions. By monitoring and updating the measures and incentive levels within Cascade's Conservation Incentive Program (CIP), and amplifying the education and awareness outreach to customers, the Company can ensure ratepayers have access to an optimal level of behavior-motivating incentives and knowledge needed to encourage the purchase of cutting-edge, cost effective, gas conservation technologies with confidence they will accrue to advantages of increased efficiency. In conjunction with monitoring the viability of more "traditional" natural gas conservation measures, the Company engages in concurrent efforts to research and determine the feasibility of emerging high-efficiency gas technologies. The Company continues to monitor cutting edge measures and has made progress on this front thanks to the reassessment of the Company's conservation potential in CY 2013/2014 by Nexant. More details regarding both sets of efforts can be found below. Further discussion about the Nexant Conservation Potential study and Cascade's approach to the UCT will be provided in detail later in this plan.

## Emerging Technologies

The Company evaluates emerging technologies with strong potential for deeper natural gas

savings. Such high performance measures include energy-efficient Natural Gas Heat Pumps (GHP) which have been identified as a promising and high-impact conservation measure by Oakridge National Laboratories.

Along with the natural gas heat pumps for use in commercial space heating applications as noted above, the Company continues the process of gathering more information regarding Gas-fired Heat Pump Water Heaters. This technology has been identified by the Northwest Energy Efficiency Alliance (NEEA) as a potentially viable technology with costs in a similar range to electric models currently available on the market.

Utility support for technologies like those noted above is important in the industry to demonstrate to manufacturers there is interest in supporting deployment through rate payer funded efficiency programs. The more interest displayed in emerging technologies, the more likely manufacturers are to increase production and market availability.

As mentioned previously, the Company is deeply invested in market transformation and has elected to partner through NEEA with other gas utilities in the region to participate in the first Regional Gas Market Transformation Collaborative in the nation. The goal is to increase market adoption of energy-efficient natural gas products and practices in the future. As part of the project the Collaborative is working toward creating pilots for five distinct technologies. Their goals is to increase the uptake and availability of these technologies in their members' collective service territory in the Northwest. They also seek to improve cost effectiveness of these natural gas technologies. This five year effort started in 2015 and should result in increased savings as the technology is adapted and uptake increases in future years for upgrades including residential natural gas ENERGY STAR® dryers and commercial condensing natural gas rooftop units (RTUs).

Already, Cascade's partnership with NEEA has proven beneficial to identifying opportunities for market transformation, standardization of ratings, and consumer education on available natural gas efficiency technologies. During a focus group discussion around natural gas dryers, it became apparent there is a significant lack of consumer awareness pertaining to natural gas dryers and their potential for energy savings. It was further discovered the residential marketplace does not currently provide a wide variety of high-efficiency natural gas ENERGY STAR dryers. NEEA has identified a need to improve the standardized testing processes for achieving an ENERGY STAR rating on residential natural gas dryers while increasing the performance of many of the models to a level commensurate with consumer expectations.

In 2016, NEEA engaged in the first set of pilots pertaining to the rooftop units which included installation of a test unit in Cascade's territory in Union Gap. Cascade, along with the other

funding partners, was instrumental in having the rooftop unit efforts prioritized. Feedback from NEEA and direct observation in the field has suggested that Cascade's service area could greatly benefit from high-efficiency alternatives to the standard RTUs currently used throughout commercial building stock in Cascade's service territory. The review and data collection process for these efforts will continue throughout the 2016/2017 winter season. Continued focus on the role of RTU's and other relevant technologies in Cascade's service area attests to the direct correlation to, and benefit from, the regional efforts partially funded by Cascade's rate payers.

Market Transformation efforts are a key element in increasing accessibility of new technologies to the region. The NEEA collaborative meets on a regular basis to discuss results and next steps of its pilot efforts in order to move toward these goals. It is important to recognize, however, that potential savings from market transformation are not realized immediately. Savings are achieved in future years once the market is able to support the higher-efficiency options and increased customer demand resulting in more advanced technological improvements. Cascade is committed to the continued partnership throughout the five year contract and The Company looks forward to 2017 and 2018 reviews of new technology that come as part of the regular discussions. A mid-cycle evaluation of the Collaborative's efforts will also occur in 2017 which will enable further refinements of next steps.

Cascade continues to participate with the Gas Technology Institute (GTI) Emerging Technology Program to evaluate new technological opportunities as they enter the market. Through these efforts, the Company will continue to stay apprised of proven cutting-edge efficiency options with significant savings potential for customers.

## Potential DSM Measures and Their Costs

In order to understand the impact declining costs can have on the programmatic potential of natural gas conservation programs, it is important to understand how these programs work. Utility-run energy efficiency programs are designed to encourage the use of high-efficiency natural gas equipment and measures. The Avoided Cost of natural gas is the threshold used to verify if the amount paid by the utility is reasonable.

In short, a utility should not pay more than 100% of the avoided cost of a measure. Likewise, it is considered general industry best practice that a rebate should be no lower than around 1/3 the incremental cost of the measure, nor higher than is necessary to achieve maximum anticipated participation. This helps the utility avoid both the risk of free ridership and the hazards of skewing program cost effectiveness and triggering the law of diminishing returns by paying beyond the level of an appropriate market signal.

As of the latest IRP, Cascade is able to pursue a combined Residential and Commercial/ Industrial conservation portfolio with a total avoided cost range of $5.19 per dekatherm in 2017 to $7.18 in 2037.

Utilizing the UCT, Company program management set the rebate thresholds to achieve an optimal balance between driving program participation and ensuring a broad breadth and depth of measures. The program incentive levels are frequently reviewed with the Conservation Advisory Group, most recently in July 2016, which resulted in current program offerings referenced here as of the time of writing for this Conservation Plan.

The Utility Cost Test is the preferred valuation of these measures since it is a straightforward and clean calculation of the utility's investment in Demand Side Management and does not penalize customers for making independent determinations regarding the cost-benefit of an energy efficiency upgrade. The UCT instead treats the rebate from utility run natural gas efficiency programs as a leveraged partnership that drives positive market change and the installation of measures with the potential for long-lived and deeper energy savings.

In addition to the use of the Utility Cost Test, in 2014 the Company discussed with its Conservation Advisory Group and Staff the continuation of using its Long-Term Discount Rate of 4.17% to allow longer-lived measures to continue to thrive within its portfolio and prevent reductions and/or slowed momentum as a result of migrating the programs to the WACC. For the 2016 IRP, the Company is using the average 30 Year Mortgage Rate as mentioned earlier as its long term discount rate. For 2016, the long term discount rate is 3.52%. For context, an increased or higher discount rate lowers the therm savings potential while a lower discount rate raises the potential therm savings.

Based on the changes to avoided costs and the continued evolution of building codes and conservation technologies, and in light of the Policy Statement issued through UG 121207, the Company commissioned a study in 2013 to comprehensively reassess its conservation potential and perform evaluation, measurement and verification on previous conservation efforts performed through the Conservation Incentive Program (CIP). This study was noted as a commitment in the Company's 2012 IRP Action Plan. Cascade recognizes the study may require updating near the completion of the 2018 CY in order to maintain relevance.

## Assessment of Cascade's Conservation Potential and EM&V Study

As of 2014 the Company discontinued use of its outdated potential assessment study by Stellar/Ecotope and adopted an updated and refined comprehensive reassessment of its potential performed by Nexant Inc. Because of the revised study performed by Nexant, the Company now has a much more nuanced understanding of its conservation potential and

is able to further refine and more accurately develop conservation targets and portfolios to optimize energy savings in its Washington service territory. The study provided new insights into the Company's overall technical, economic, and achievable potential. The vendor noted actual program potential (the on-the-ground portfolio based program offerings) was excluded from this study, but the vendor did provide guidance to Cascade staff as to how this could be manually developed by their program implementation team. In addition, Nexant provided the Company with a thorough planning tool for use by Cascade in drilling down to more precise conservation targets for IRP and program planning based on the actual measures included in the conservation portfolio.

The primary goal of the Nexant assessment was to develop a comprehensive analysis of technical, economic and achievable potential for natural gas energy efficiency for customers on Washington Rate Schedules 503, 504, 505, 511, 570 & 577 (residential, commercial and non-transport sales industrial customers). This third-party analysis illustrated the remaining savings potential by climate zone, market, segment and end use as a means to inform future program design. The study also integrated a detailed evaluation and measure savings review of Cascade's conservation portfolio. Key objectives of this study included:

- Provided a credible and transparent estimation of the technical and achievable energy efficiency potential by year over the next 21 (2014-2034) years within Cascade's Washington service territory;
- Assessed and validated therm savings associated with key measures that qualified for, and received, a conservation incentive in the 2012 program year, and applied findings to determine realistic therm savings potential in Cascade's Washington Service area;
- Provided a user friendly, executable dynamic model that would support the potential assessment and allow for testing of sensitivity of all model inputs and assumptions;
- Developed a final report including summary data tables and graphs reporting incremental and cumulative potential by year from 2014 through 2034.

The Nexant study estimated energy efficiency savings in the form of technical potential, economic potential, and achievable potential. Market penetration rates were estimated and included in this assessment. Nexant analyzed this potential via a customized Microsoft Excel-based modeling tool, TEA-Pot (**T**echnical/**E**conomic/**A**chievable **Pot**ential) for the Cascade Conservation Potential Assessment.[2] This modeling tool was built on a platform

[2] To review the full study referenced in this section see:
Nexant, Inc. (February 25.2014). Cascade Natural Gas Corporation, Assessment of Achievable Potential & Program Evaluation Volume 1: Executive Summary, Volume 2: Assessment of Achievable Potential & Program Evaluation, Volume 3: Appendices

that provides the ability to run multiple scenarios and re-calculate potential savings based on variable inputs such as volume, customer and load profile forecasts, natural gas prices, discount rates, transmission loss rates, inflation rates, multiple adoption curves and avoided costs. This model provides Cascade with the utmost transparency into the assumptions and calculations for estimating market potential.

While technical and economic potential are theoretical limits to efficiency savings, achievable potential embodies a set of assumptions about the decisions consumers make regarding the efficiency of the equipment they purchase. Relevant factors to Cascade's conservation program were included in the Achievable Potential to simulate a realistic estimate of real-life conditions. Again, as stated earlier, program potential (i.e. the subset of achievable potential attainable given constraints on program budget and implemented measures) was not presented in Nexant's report. In 2016, the Company had Nexant enable the ability to include administrative costs in the model, better aligning the achievable level of potential inclusive of costs to realistically implement programs as described below.

***Administrative costs and TEA-Pot modeling moving forward***

As per Stakeholder and Commission request, the Company moved away from developing a subset of Programmatic Potential below the Achievable level and instead included administrative costs associated with program implementation under the Achievable screen. The TEA-Pot tool developed by Nexant has the capability of factoring the administrative costs into the modeling, but as this was not the initial intent when the model was activated for Cascade, it was not initially enabled. The Company requested Nexant activate this feature in 2015 in order to include administrative costs as an input in the model. The model now provides forecasts inclusive of the administrative costs and will be used in estimates of potential for the full forecast horizon in this Plan.

Please note, the Company maintains the Achievable potential (with administrative costs included) will still be an *aspirational* goal (especially as it relates to the residential program) and believes it does not provide the same level of refinement to goal setting as can be performed at a program implementer level. Having said that, this method does allow the Company to set future goals commensurate with the Achievable level through the modeling tool, while increasing transparency.

The following section elaborates on the methods used by the TEA-Pot model to develop the three levels of Potential for the programs and subsequent creation of the Company's 2-year plan.

Industry standard cost effectiveness tests as identified in the California Standard Practices Manual, are performed to gauge the economic merits of the portfolio. Each test compares

the benefits of the energy efficiency metric to their costs defined in terms of net present value of future cash flows.

***Total Resource Cost test (TRC).***
This test weighs avoided energy costs and avoided capacity costs for the lifetime of the measure (and non-energy benefits) against the total installed costs and administrative costs incurred by the utility for an energy conservation measure or portfolio to determine if it is in the interests of the customer. It is assumed that a customer's decision to participate in an energy conservation effort is solely economic, and that it is the responsibility of the program administrator to screen-out measures that are expensive as compared to lower efficiency technologies. While the Company did not run the TEA-Pot model under the TRC, annual reporting for the program will include the calculation of cost effectiveness under a TRC for reference as per UG-121207.

***Utility Cost Test (UCT).***
The benefits in this test are the avoided energy costs and avoided capacity costs for the lifetime of the measure, the same as the TRC benefits. The costs in this test are the program administrator's incentive costs and administrative costs. Under this test, the customer is considered a rational actor who may assign multiple forms of value to an energy conservation purchase. The cost of the measure is not taken into consideration, thus allowing for higher-cost measures with deep, long-term energy savings potential to achieve deeper market transformation.

Cost effectiveness was measured under a base-case scenario of Cascade's current avoided costs used in the most recent iteration of the 2016 IRP which is in review status now, along with an incentive rate near 30% for most measures and 50% for a screened select set of measures. The Company will further discuss opportunities for altering incentive rates later in this plan. Inputs can be altered within the TEA-Pot model and updated by the Company on an ongoing basis as appropriate.

***Market Segmentation Findings*:** An important first step in calculating Cascade's energy efficiency potential estimates is to establish baseline energy usage characteristics and disaggregate the market by sector, segment, and end use. In its final report to the Company, Nexant offered the Company control totals to which all energy usage was calibrated in the base year of the study and then forecasted while using the same three climate zones the Company has used in the past for calculating its potential. This resulted in a calculation of total natural gas consumption by eligible residential, commercial and industrial customers in Cascade's Washington service territory.

**Table 3**

| Washington Conservation Climate Zones by District | | |
|---|---|---|
| **Zone 1** | **Zone 2** | **Zone 3** |
| • Bellingham | • Aberdeen | • Sunnyside |
| • Mount Vernon | • Bremerton | • Tri-Cities |
| | • Longview | • Walla Walla |
| | | • Wenatchee |
| | | • Yakima |

**Energy Efficiency Portfolio Development**

Cascade's energy efficiency potential model was developed by Nexant in 2013. Based on measures screened through the initial run of the TEA-Pot model for the study, Cascade's forecast was rerun under the following main assumptions for the 2016 IRP and Conservation Plan:

- Measure cost effectiveness screen: Utility Cost Test (UCT)
- Incentive percent of incremental cost (for achievable scenarios): 30% and 50%
- Avoided Costs: Current avoided costs, provided in Appendix H of Cascade's 2016 draft Integrated Resource Plan
- Long Term Discount Rate: The average 30 Year Mortgage Rate, which will be reevaluated annually as part of the Company's IRP process. For 2016, the long term discount rate used is 3.52%.

The high level screens performed under Nexant's baseline conditions yield total Achievable Potential for the Residential, Commercial and Industrial sectors. The summary pages of the study provide a high-level view into what would be *theoretically* possible without concerns from program budgets, administrative costs or regulatory parameters. But in reality, not all measures identified by Nexant remain cost effective under real-world conditions and within the cost-screen thresholds identified in Appendix H of the Company's IRP. When Nexant developed the TEA-Pot model for the Company, they did not enable the model to include administrative costs associated with program implementation (as mentioned previously) – as the intention was to include them at the programmatic potential development level.

Refinement of the model in 2016 allowed climate zone specific Avoided Costs to be utilized in developing the most granular conservation forecast to date for the company.

Cascade evaluated all of Nexant's original energy saving measures' cost effectiveness by climate zone, market segment, and vintage with 2016 IRP conditions in order to discern which could afford incentive amount increases. The results yielded three groups of measures: Those that were not cost effective at the 30% minimum, those that were cost effective at 30% but could not tolerate an increase, and those that remained cost effective

after an incentive increase to 50% of incremental costs. The Company is planning to file a tariff change by the end of the first quarter of 2017 in order to update its offerings to reflect the most cost-effective mix after a thorough review of actual incremental costs. By doing so, Cascade will be able to send better price signals to customers about energy efficiency options.

A summary of the program planning and TEA-Pot modeling scenarios used by the Company for its Conservation Incentive Program portfolio in the 2016 IRP is included here. Following is a visual representation of the process of narrowing down potential from the Technical to the Achievable level employed by the Company.

**Figure 1**
**Technical, Economic and Achievable Potential**

| **Technical Potential** |
|---|
| Technical Potential represents a substitution by the end user of all *technically* feasible measures at the end use level |

| **Economic Potential** |
|---|
| Economic considers the most efficient measures that pass *economic* screening tests and is a subset of Technical Potential |

| **Achievable Potential** |
|---|
| Achievable embodies a set of assumptions about the decisions consumers make regarding the efficiency of the equipment they purchase to simulate a realistic estimate of real-life conditions |

## DSM Portfolio Updates and Planning

TEA-Pot provides the Company with a much more nuanced and manageable method to developing its portfolio than was used in the past.

The Company's objectives in developing its rebate offerings center on the desire to:

1. Maximize the inclusiveness of viable, industry-acknowledged conservation measures
2. Maintain incentive levels that send meaningful price signals to consumers to upgrade to high-efficiency natural gas equipment and energy saving measures
3. Remain cost effective at the Company's draft 2016 IRP avoided costs

Below is a brief snapshot of a few of the elements that go into the process by which the Company narrows down its portfolio, in collaboration with its CAG.

***Budgeting Parameters***

The Company sets an administrative budget in order to plan and operate programs. This budget must ensure an acceptable ratio of costs balanced with therm savings achievements. Since therm savings offset the costs of administrative investment, the greater the achievement, the more cost-effective the Company's programs. If the budget or therm savings upon which the portfolio is built are unrealistic, there is a risk of developing a scale-dependent portfolio unable to maintain cost effectiveness.

The Company recognizes the need to increase program performance commensurate with higher savings goals. Traditionally it has geared toward a conservative approach when establishing administrative budgets and estimating costs. In fact, the Company repeatedly looked to decrease administrative costs in past program years to offset lower avoided costs and maintain as robust a program portfolio as feasible. In the new realm of increased program achievable goals and expectations the Company took a close look at areas where it could invest more heavily to meet those goals and encourage uptake.

In order to maintain a conservative budget to protect the CIP's cost-effectiveness on the portfolio level, past benefit cost ratios were reviewed in order to determine how much could be available to invest toward increasing program uptake. It was determined under a worst-case-scenario, where therm savings achieved yielded the lowest cost-effectiveness over the past five years (2013), a sufficient buffer existed to both increase the rebate amounts for measures with high enough benefit-cost ratios to 50 percent of incremental costs, as well as bring the Residential delivery in-house in order to improve customer service satisfaction, provide an up-to-date online application processing experience, and allow for faster and more accurate data acquisition.

For example, using the three year average of therm savings achieved (648,000) with the Company's three year average benefit/cost ratio (1.606), under the current Avoided Costs available at the time, as well as an increased 2017 administrative budget, the cushion (which could be used on admin and/or a combination of rebate increases under "costs" in the Utility Cost Test) was approximately $1.45 million.

In addition, the numbers were explored for the worst case scenario mentioned above. Looking at the lowest performing year (as measured by benefit/cost ratios) 2013 measured 1.306 at a portfolio level, when administrative costs were higher than in 2015 and deemed therm savings achieved were the lowest in six years (471,000). Under this scenario a significant buffer would still exist for increasing administrative efforts by approximately half of the best case cushion noted above.

Utilizing these two scenarios for best and worst cases helped set budget guidelines to determine which investments could yield the greatest potential increases in therm savings for the program. The Company discussed the necessary increase in administrative budgetary costs throughout its CAG meetings in 2015 leading up to implementation of the residential internal program delivery model. The Company continues to monitor the effects of ever changing avoided cost impacts to the CIP's budgetary options.

Incentive Level

The Company is planning to increase some incentive levels to encourage additional uptake from the base 30% level to 50% of incremental costs, where cost-effectiveness permits. It has modeled this scenario in TEA-Pot for 2017 onward under the (administrative cost inclusive) Achievable potential later in this plan for reference. Incentive levels had been previously set to around 30 percent of incremental costs as determined by Nexant and programmatic data.

***Targets***

TEA-Pot generated targets will be acknowledged in the conservation plan as *aspirational* targets and those which the Company will aggressively strive towards throughout the year. However, the programs will be built in a way that ensures cost-effectiveness can be maintained even if final numbers fall short of that target. See Section CY 2017-2018 Targets for additional details.

***Commercial/Industrial Scenarios***

It is important to note that the screen conducted with the TEA-Pot tool and internal valuation mechanism for the Commercial/Industrial sector was performed to assess both viable prescriptive and custom measures' potential, thus reflecting inclusion of all available measures from Nexant's Potential Study. For reference, program experience has demonstrated the prescriptive portion of savings from the program is fairly consistent, with an average of around two-thirds of therm savings coming from custom projects. The full program forecast for planning purposes also included the same review of measures by market segment and vintage to allow for a portion of the measures' incentive levels to be increased from 30% to 50%, with the aim of increasing program participation.

***Most Recent Program Update***

The Company frequently re-evaluates its program offerings in the changing context of avoided costs, building codes and ENERGY STAR updates. This approach is consistent with how technology on the market gradually increases in efficiency (i.e. market transformation). As per UG-152286[3] the Company is committed to updating the tariffs for the Conservation program at least once per year. On July 13, 2016 the Company met with its CAG to discuss alterations to the program including removal of a furnace upgrade to the ENERGY STAR whole home bundle, inclusion of the Demand Control Ventilation commercial rebate (as noted in the Company's 2016 Conservation Plan) and revisions to the residential air sealing rebate criteria. The Company submitted these proposed program updates after consultation with its CAG to the WUTC and they were approved with an effective date of October 10th, 2016. See section: *Program Offerings as of October 10th 2016* for further detail around the current measures offered through Cascade's programs.

The Company will continue to monitor the state of natural gas conservation technologies within its service territory and make adjustments commensurate with evolving ENERGY STAR standards and code requirements. Cascade will also monitor new and promising technologies available to optimize the use of natural gas in customers' homes. Such measures may include a natural gas heat pump as they become more widespread throughout the market place, or potentially Boiler Pipe Insulation. The Company is also continuing to monitor the residential natural gas furnace standards as well as water heater criteria and will alter the program offerings as standards and building codes change in the next few years.

## Residential Program Delivery Changes from 2016

Calendar Year 2016 was a transition year for the Conservation Department as the Company set the stage for expansion of program savings into the next 10 years.

For the past two years, the residential programs had been delivered through a mix of third party implementation and internal program oversight which impaired transparency and data quality and required a high level of Cascade intervention and oversight. In order to pursue a strategic affordable and simplified delivery model the Company began to explore internal conservation program delivery options for its residential program in the summer of 2015, in light of the expiration of the existing vendor contract at the end of the year. Internal delivery allows the Company to manage the customer rebate experience for more efficient rebate processing from start to finish, effective data quality and data management resulting in a best in class customer experience as noted in the most recent JD Edwards survey of midsized gas companies.

[3] Washington Utilities and Transportation Commission Docket UG-152286 Order 4, Final Order Approving Settlement Agreement. Page 3-4

The Company also recognized administrative funding and budgets for program implementation needed to increase to accommodate the higher savings targets (see *Budgeting Parameters* for further details*)*. Historically, the Company has taken a conservative approach and attempted to reduce administrative budgets as much as possible to accommodate lower gas costs and maintain cost effectiveness of the programs. However, during discussions with the prior residential program delivery vendor the Company came to understand expenses for delivery of the residential programs would increase for 2016 as initial estimates of administrative costs for delivery of the Cascade residential rebate programs by the vendor were not adequate to cover the vendor's costs.

Transitioning to an internal delivery model was not a lower upfront cost option as the decision necessitated adding two internal staff to support residential rebate processing and Trade Ally management. In the long term it will provide customer experience continuity and data management security in future years when taken hand-in-hand with the Nexant software solution.

The Company submitted a request for proposals for an Energy Efficiency incentive software platform which allows customer submission via an online rebate portal. In the summer of 2015 Cascade vetted various software implementation companies to better understand the potential benefits of cloud based software offerings for internal residential program delivery.

In late summer the Company engaged in conversations with its CAG about proposed program delivery changes and advised it would send out an RFP for software support. All RFPs received a response and the current software platform vendor, Nexant Inc., was chosen in November 2015. Work started immediately to customize the Nexant Inc. iDSM Central and iTrade Ally product to Cascade's needs. The program's residential delivery vendor (EGIA) agreed to continue processing residential rebates and work with the Company through the first few months of CY 2016 as their program delivery ramped down and the new software and commensurate internal delivery processes ramped up.

Over the past ten months of internal residential program delivery, it has become apparent internal implementation of the programs has allowed for greater insight into areas to improve the experience for the customer. The more streamlined and frictionless the process to apply, the more likely he or she is to recall the programs positively when making future home and business energy choices, and consequently the more likely to choose higher-efficiency upgrades. The Company has thoroughly reviewed and revised its residential applications and program requirements to remove barriers while increasing ease of submission and maintaining program integrity. Improvements to the process include removal of the "Paid in full" requirement (which allows and encourages equipment financing when appropriate for the customer) as well as increased messaging to contractors to include all relevant install data on the invoice, negating the need for repeat data entry by the customer.

One additional item to note is recognition of the improvements to the program in reviewing and processing of rebate applications with missing data – thereby reducing the amount of "Disqualified" applicants. The Company estimates a reduction in DNQ'd projects by 66%, which could reflect the reality that two-thirds of the projects previously disqualified between May 2013 and January 2016 could have been approved if some additional follow-up had been performed. Previously, the vendor administering the residential programs did not allocate adequate resources toward project follow up, resulting in a significant portion of the residential rebates sitting in limbo awaiting additional data from either contractors or customers to allow the program to either approve or disqualify the submissions. While it is important to acknowledge the onus is ultimately on the customer to provide all required data, it's also important to contribute to their success and help with what can be a confusing application process (when feasible within administrative budgetary constraints). The in house program provides the technical resources to advise the customer during the pre-purchase decision-making step, facilitating a more informed choice by the customer and less follow up during rebate processing.

Upon transition of the existing files to the Company it was determined a significant portion of the pending applications could be processed and approved if additional administrative time was allocated to the process. While this effort did require a significant amount of time and effort from the internal team to resolve the missing data projects, and unfortunately caused a backlog of newer projects in the process, it has allowed the program to more accurately portray savings associated with equipment and weatherization measures that had already been installed and should be counted toward the program achievements.

During the residential program transition planning phase the Company also began to alter a few key elements of the program administration to increase the timeliness of reporting related to program accomplishments. Supporting the capacity to create a timelier snapshot of current program accomplishments would allow the Company to more nimbly pivot efforts as the need arose and better enable the Company to react to market trends in building construction and efficiency. One of the elements explored was altering the reporting methodology from tracking per Paid Date versus Install Date as discussed in the 2016 Conservation Plan.

Historically, the Company tracked rebate submissions by the date the measure or upgrade was installed at the premise. CAG members requested the Company pursue tracking via the date a rebate was paid rather than the previous install date method to help reduce lag-time in reporting savings. The Company agreed to transition the program reporting model to track savings based on the date the rebate was paid, which makes annual reporting more straightforward and allows the Company to accommodate the earlier submission deadline of June 1st to the Commission each year.

The Company also altered the requirement for submission of rebates to require they be sent to the utility within 90 days of install (as opposed to previous guidelines to submit by March 1

of the following year after install). The combination of these two changes should help the programs avoid the standard influx of rebate applications in the following year, thereby enabling greater transparency into program accomplishments throughout the year.

All program updates and changes have an effect on the savings the Company is able to achieve. These noted changes allow Cascade staff to focus more time on implementing the program and looking toward future outreach opportunities to bring in additional savings.

Outside of the significant updates to the residential program in the past year aimed at achieving increased savings goals, Cascade also increased its administrative support for the Commercial and Industrial Conservation Incentive Program. While the internal staff have been increasing efforts and support, Lockheed Martin, the Commercial program delivery vendor, has significantly increased its support of the program as well by performing additional outreach to commercial and industrial Trade Ally Contractors, and implementing a marketing and outreach campaign to notify customers of available offers while highlighting success stories in the local communities to encourage additional uptake. This is an ongoing effort and will be discussed further under the Outreach section in this plan. It's also relevant to note the increased internal staffing support on the residential side of the program, as well as the investment in the internal software package, positions the Company to grow the commercial program into the future in a variety of ways whether through the existing vendor or through a combination of more robust internal support paired with the expertise of the external vendor's experience and known achievements.

***Program Offerings as of October 10th 2016***

As suggested above, all items offered at the time of this writing are based on the draft 2016 Integrated Resources Plan, based on the Company's best understanding of avoided costs as outlined in Appendix H and savings assumptions and targets were built from the Nexant Study, TEA-Pot modeling tool and on-the-ground knowledge of Cascade's Washington service area. The Company's conservation portfolios and programs are subject to modification following the acknowledgement of this more recent IRP, and/or following any and all changes to the underlying data or circumstances surrounding the assessment and measurement of program cost-effectiveness. Customer participation levels will be commensurate with a cost-effective natural gas conservation measure mix that Cascade maintains in its portfolio.

Current program offerings for the residential and prescriptive commercial/industrial program can be found on the following pages.

CASCADE NATURAL GAS CORPORATION
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# Cascade Natural Gas Conservation Incentive Program Existing & New Homes Incentives

## New & Existing Homes

| Energy-Saving Measure | Basic Specifications | Incentive |
|---|---|---|
| **High-Efficiency Natural Gas Furnace**[1] | 95% + AFUE | $250 |
| **High-Efficiency Natural Gas Hearth (Fireplace)** | 70% + FE (Fireplace Efficiency)[2]<br>80% + AFUE (Annual Fuel Utilization Efficiency) | $150<br>$250 |
| **High-Efficiency Combination Domestic Hot Water and Hydronic Space Heating System using pre-approved Tankless Water Heater**[3] | 90% + AFUE | $825 |
| **Condensing High-Efficiency Natural Gas Tankless Water Heater** | 0.91 + EF | $150 |
| **Conventional High-Efficiency Natural Gas Water Heater** | 0.67 + EF | $45 |
| **High-Efficiency Exterior Entry (not sliding) Door**[1] | U ≤ 0.21 | $50 |

## Existing Homes Incentives

| Energy-Saving Measure | Basic Specifications | Incentive |
|---|---|---|
| **Floor Insulation**[1&4] | Equal to or greater than R-30 or to fill cavity[5], prior condition must not exceed R-11 | $0.30/sq.ft. |
| **Wall Insulation**[1&4] | Equal to or greater than R-11 or to fill cavity, prior condition must not exceed R-4 | $0.35/sq.ft. |
| **Ceiling or Attic Insulation**[1&4] | Equal to or greater than R-38, prior condition must not exceed R-18 | $0.30/sq.ft. |
| **Whole House Residential Air Sealing**[1&4] | Minimum 400 CFM50 reduction using pre and post blower door testing[6] | $100 |

## Efficient New Home Packages

| Energy-Saving Measure | Basic Specifications | Incentive |
|---|---|---|
| **ENERGY STAR® Certified Home**[1&7] | National Program Requirements Version 3.1 (Rev. 08) | $600 |
| **Built Green Certified Home**[1&7] | Requires Built Green Certification | $600 |

1. *Home must be heated by natural gas.*
2. *Must use intermittent ignition device.*
3. *Water must be heated with a tankless system. Pre-approval from CNGC required. Boilers do not qualify.*
4. *All insulation and air sealing must be performed by a CNGC qualified Trade Ally in order to be eligible for a rebate through the Conservation Incentive Program. Attic insulation cannot be filled to cavity.*
5. *Minimum of R-19 or higher to fill cavity.*
6. *Requires WA Department of Commerce Combustion Safety Test Report Exhibit 5.3.1A. Whole House Residential Air Sealing must comply with Washington State Energy Code section 502.4.5*
7. *These incentives are only applicable to new homes, not available to existing homes.They may not be combined with any other measure except Hearths.*

Last Updated 09/2016

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# Commercial/Industrial Standard Incentives

**Warm Air Furnaces - $3.00/kBtu/hr**
High Efficiency Condensing Furnace—Min 91% AFUE

**HVAC Unit Heater - $1.50/kBtu/hr**
High Efficiency Non-Condensing Min—86% AFUE

**HVAC Unit Heater - $3.00/kBtu/hr**
High Efficiency Condensing Min—92% AFUE

**Radiant Heating - $6.95/kBtu/hr**
Direct fired radiant heating

**Boiler - $4.00/kBtu/hr**
High Efficiency Condensing Boiler
Min 90% Thermal Eff & 300 kBtu input

**Boiler Vent Damper - $1,000**
Min 1,000 kBtu input

**Boiler Steam Trap[1] - $125**
Min 300 kBtu in; steam pressure at 7psig or >

**Domestic Hot Water Tanks[3] - $2.50/kBtu/hr**
Condensing tank, Min 91% Thermal Eff

**Domestic Hot Water Tankless Water Heater[3] - $60/gpm**
ENERGY STAR® .82 EF

**Attic Insulation -** (retrofit only)
**Tier 1:** Min R-30 - **$0.50/sq ft**
**Tier 2:** Min R-45 - **$0.65/sq ft**

**Roof Insulation -** (retrofit only)
**Tier 1:** Min R-21 - **$0.60/sq ft**
**Tier 2:** Min R-30 - **$0.80/sq ft**

**Wall Insulation[2] -** (retrofit only)
**Tier 1:** Min R-11 - **$0.50/sq ft**
**Tier 2:** Min R-19 - **$0.56/sq ft**

**Energy Savings Kits[3] - FREE**
**A:** Kitchen Pre Rinse Spray Valve & Bath Aerators
**B:** Low Flow Showerhead

**Ozone Injection Laundry[3] - $2,500**
Venturi injection or bubble diffusion - Min 125 lb. total washer/extractor capacity. **Pre-approval required.**

**Motion Control Faucet[3] - $105**
Maximum flow rate of 1.8 gpm
WaterSense® Certified and Below Deck Mixing Valve

**Clothes Washer[3] - $180**
Commercial gas washer—1.8 MEF

**Gas Convection Oven - $450**
ENERGY STAR®
≥42% Cooking Eff/ ≤13,000 Btu/hr Idle Rate

**Gas Griddle - $350**
ENERGY STAR®
≥38% Cooking Eff/ ≤2650 Btu/hr sq ft Idle Rate

**Gas Conveyor Oven - $600**
Greater than 42% tested baking efficiency

**Connectionless 3 Pan Gas Steamer - $850**
ENERGY STAR® or CEE/FSTC Qualified
≥38% Cooking Eff / ≤2,083 Btu/hr/pan Idle Rate

**Connectionless 6 Pan Gas Steamer - $1,200**
ENERGY STAR® or CEE/FSTC Qualified
≥38% Cooking Eff / ≤2,083 Btu/hr/pan Idle Rate

**Double Rack Oven - $2,000**
FSTC Qualified
≥50% Cooking Eff/ ≤3,500 Btu/hr/Idle Rate D Rack

**ENERGY STAR® Gas Fryer - $600**

**Door Type Dishwasher Low Temp Gas[3] - $650**
ENERGY STAR®
≤.6 kw Idle Rate/ ≤1.18 gallon/rack

**Multi-Tank Conveyor Low Temp Dishwasher[3] - $1,000**
Gas Main w/Electric Booster ENERGY STAR®
≤2.0 kw Idle Rate; ≤ 0.50 gallons/rack

**Recirculation Controls[3] - $100**
Continuous Operation DHW Pump
**Pre-Approval required.**

**Demand Control Ventilation[4] - $12/nominal ton**
5 tons ≤ Unit Cooling Capacity ≤ 20 tons. Pre-Approval Required.

If you are planning equipment or building upgrades that do not fit within the standard incentives, but significantly reduce natural gas consumption, please call 866.450.0005 to learn about custom project opportunities.

Mixed purpose facilities that include buildings on both Residential Rate Schedule 503 **and** qualifying Rate Schedules 504, 505, 511, 570, and 577 as part of the same Cascade Natural Gas customer account shall also be eligible for custom conservation incentives.

[1] This measure will only be allowed where the customer agrees to regular trap maintenance and replacement every seven (7) years.

[2] Minimum value of R-11 applies only where existing walls have no internal insulation cavities.

[3] Incentive eligibility contingent upon use of natural gas fired domestic hot water serving the specified measure equipment or fixture.

[4] For Existing Packaged HVAC Units equipped with Gas Fired Furnace and Direct Expansion Cooling Sections. DCV Unit Controller must meet Joint Utility Advanced Rooftop Control Guidelines

For the following tables please note – levelized costs displayed include administrative costs. As mentioned, the Company includes the administrative costs at the achievable level, which are used for planning and are in turn represented within the annual report. Also note, levelized costs differ for some measures depending on the customer's geographic location since Cascade tracks therm savings dependent on which of Washington's three climate zones the measure is installed within. The range below is based on the 2015 Cascade Natural Gas Conservation Incentive Program Annual Report. Blank entries indicate zero installs in CY 2015 in the specified Climate Zone.

**Table 4**
**Residential Program Offerings from Tariff 300 as of the 2015 Annual Report**

| MEASURE | ZONE | ANNUAL THERM SAVINGS | PROGRAM REBATE | UC W/DELIVERY & ADMIN |
|---|---|---|---|---|
| Energy * Certified Home (BOP 1) *(Incentive Increase effective 09/02/2014)* | 1 | 206 | $ 600.00 | |
| Energy * Certified Home (BOP 1) *(Incentive Increase effective 09/02/2014)* | 2 | 200 | $ 600.00 | |
| Energy * Certified Home (BOP 1) *(Incentive Increase effective 09/02/2014)* | 3 | 207 | $ 600.00 | $ 0.297 |
| Energy * Plus Certified Home **(Discontinued 09/02/2014)** | 1 | 235 | $ 550.00 | |
| Energy * Plus Certified Home **(Discontinued 09/02/2014)** | 2 | 221 | $ 550.00 | |
| Energy * Plus Certified Home **(Discontinued 09/02/2014)** | 3 | 296 | $ 550.00 | $ 0.236 |
| Built Green Certified Home | 1 | 209 | $ 600.00 | $ 0.296 |
| Built Green Certified Home | 2 | 203 | $ 600.00 | |
| Built Green Certified Home | 3 | 210 | $ 600.00 | |
| 95% AFUE Gas Furnace Upgrade E* **OLD** | 1 | 111 | $ 200.00 | |
| 95% AFUE Gas Furnace Upgrade E* **OLD** | 2 | 110 | $ 200.00 | |
| 95% AFUE Gas Furnace Upgrade E* **OLD** | 3 | 111 | $ 200.00 | $ 0.315 |
| 95% AFUE Gas Furnace Upgrade E* *(Incentive Increase effective 09/02/2014)* | 1 | 111 | $ 250.00 | $ 0.352 |
| 95% AFUE Gas Furnace Upgrade E* *(Incentive Increase effective 09/02/2014)* | 2 | 110 | $ 250.00 | |
| 95% AFUE Gas Furnace Upgrade E* *(Incentive Increase effective 09/02/2014)* | 3 | 111 | $ 250.00 | $ 0.352 |
| 90% AFUE New Gas Furnace(New construction) **(Discontinued 09/02/2014**) | 1 | 65 | $ 150.00 | $ 0.356 |
| 90% AFUE New Gas Furnace(New construction) **(Discontinued 09/02/2014**) | 2 | 61 | $ 150.00 | |
| 90% AFUE New Gas Furnace(New construction) **(Discontinued 09/02/2014**) | 3 | 81 | $ 150.00 | |
| 90% AFUE New Gas Furnace(Existing) **(Discontinued 09/02/2014)** | 1 | 81 | $ 150.00 | $ 0.319 |
| 90% AFUE New Gas Furnace(Existing) **(Discontinued 09/02/2014)** | 2 | 75 | $ 150.00 | |
| 90% AFUE New Gas Furnace(Existing) **(Discontinued 09/02/2014)** | 3 | 99 | $ 150.00 | |
| 95% AFUE New Gas Furnace(New & Existing) | 1 | 111 | $ 250.00 | $ 0.352 |
| 95% AFUE New Gas Furnace(New & Existing) | 2 | 110 | $ 250.00 | $ 0.353 |
| 95% AFUE New Gas Furnace(New & Existing) | 3 | 111 | $ 250.00 | $ 0.352 |
| 80% AFUE Hearth *(Incentive decreased effective 09/02/2014)* | 1 | 75 | $ 250.00 | $ 0.409 |
| 80% AFUE Hearth *(Incentive decreased effective 09/02/2014)* | 2 | 75 | $ 250.00 | $ 0.409 |

| MEASURE | ZONE | ANNUAL THERM SAVINGS | PROGRAM REBATE | UC W/DELIVERY & ADMIN |
|---|---|---|---|---|
| 80% AFUE Hearth *(Incentive decreased effective 09/02/2014)* | 3 | 75 | $ 250.00 | $ 0.409 |
| 70% FE Hearth **OLD** | 1 | 56 | $ 200.00 | $ 0.426 |
| 70% FE Hearth **OLD** | 2 | 56 | $ 200.00 | $ 0.426 |
| 70% FE Hearth **OLD** | 3 | 56 | $ 200.00 | $ 0.426 |
| 70% FE Hearth *(Incentive decreased effective 09/02/2014)* | 1 | 56 | $ 150.00 | $ 0.360 |
| 70% FE Hearth *(Incentive decreased effective 09/02/2014)* | 2 | 56 | $ 150.00 | $ 0.360 |
| 70% FE Hearth *(Incentive decreased effective 09/02/2014)* | 3 | 56 | $ 150.00 | $ 0.360 |
| High Efficiency Entryway Door | 1 | 13 | $ 50.00 | $ 0.390 |
| High Efficiency Entryway Door | 2 | 13 | $ 50.00 | |
| High Efficiency Entryway Door | 3 | 13 | $ 50.00 | $ 0.390 |
| Ceiling Insulation | 1 | 0.062 | $ 0.30 | $ 0.346 |
| Ceiling Insulation | 2 | 0.057 | $ 0.30 | $ 0.367 |
| Ceiling Insulation | 3 | 0.067 | $ 0.30 | $ 0.328 |
| Floor Insulation **OLD** | 1 | 0.056 | $ 0.45 | $ 0.504 |
| Floor Insulation **OLD** | 2 | 0.054 | $ 0.45 | $ 0.519 |
| Floor Insulation **OLD** | 3 | 0.059 | $ 0.45 | $ 0.484 |
| Floor Insulation *(Incentive decreased effective 09/02/2014)* | 1 | 0.056 | $ 0.30 | $ 0.372 |
| Floor Insulation *(Incentive decreased effective 09/02/2014)* | 2 | 0.054 | $ 0.30 | $ 0.381 |
| Floor Insulation *(Incentive decreased effective 09/02/2014)* | 3 | 0.059 | $ 0.30 | $ 0.358 |
| Wall Insulation **OLD** | 1 | 0.071 | $ 0.40 | $ 0.385 |
| Wall Insulation **OLD** | 2 | 0.065 | $ 0.40 | |
| Wall Insulation **OLD** | 3 | 0.076 | $ 0.40 | $ 0.367 |
| Wall Insulation *(Incentive decreased effective 09/02/2014)* | 1 | 0.071 | $ 0.35 | $ 0.350 |
| Wall Insulation *(Incentive decreased effective 09/02/2014)* | 2 | 0.065 | $ 0.35 | $ 0.373 |
| Wall Insulation *(Incentive decreased effective 09/02/2014)* | 3 | 0.076 | $ 0.35 | $ 0.334 |
| High Efficiency Combination Radiant Heat **OLD** | 1 | 475 | $ 1,000.00 | $ 0.307 |
| High Efficiency Combination Radiant Heat **OLD** | 2 | 468 | $ 1,000.00 | |
| High Efficiency Combination Radiant Heat **OLD** | 3 | 476 | $ 1,000.00 | |
| High Efficiency Combination Radiant Heat *(Incentive decreased effective 09/02/2014)* | 1 | 475 | $ 825.00 | $ 0.280 |
| High Efficiency Combination Radiant Heat *(Incentive decreased effective 09/02/2014)* | 2 | 468 | $ 825.00 | $ 0.282 |
| High Efficiency Combination Radiant Heat *(Incentive decreased effective 09/02/2014)* | 3 | 476 | $ 825.00 | |
| .64 Water Heater **(Discontinued 09/02/2014)** | 1 | 33 | $ 40.00 | $ 0.360 |
| .64 Water Heater **(Discontinued 09/02/2014)** | 2 | 33 | $ 40.00 | $ 0.360 |
| .64 Water Heater **(Discontinued 09/02/2014)** | 3 | 33 | $ 40.00 | $ 0.360 |
| .67 Water Heater | 1 | 33 | $ 45.00 | $ 0.304 |
| .67 Water Heater | 2 | 33 | $ 45.00 | $ 0.304 |
| .67 Water Heater | 3 | 33 | $ 45.00 | $ 0.304 |
| .91 Tankless Hot Water Heater | 1 | 54 | $ 150.00 | $ 0.394 |
| .91 Tankless Hot Water Heater | 2 | 54 | $ 150.00 | $ 0.394 |
| .91 Tankless Hot Water Heater | 3 | 54 | $ 150.00 | $ 0.394 |
| Energy Saver Kit (Kit 1) | 1 | 17 | $ 10.00 | $ 0.339 |

| MEASURE | ZONE | ANNUAL THERM SAVINGS | PROGRAM REBATE | UC W/DELIVERY & ADMIN |
|---|---|---|---|---|
| Energy Saver Kit (Kit 1) | 2 | 17 | $ 10.00 | $ 0.339 |
| Energy Saver Kit (Kit 1) | 3 | 17 | $ 10.00 | $ 0.339 |
| Energy Saver Kit (Kit 2) | 1 | 31 | $ 16.00 | $ 0.330 |
| Energy Saver Kit (Kit 2) | 2 | 31 | $ 16.00 | $ 0.330 |
| Energy Saver Kit (Kit 2) | 3 | 31 | $ 16.00 | $ 0.330 |
| **TOTAL PROGRAM** | | | | **$ 0.349** |

**Table 5**
**Commercial/Industrial Program Offerings from Tariff 302 as of the 2015 Annual Report**

| MEASURES | ANNUAL THERM SAVINGS/UNIT | UNITS | PROGRAM REBATE | LOADED UC |
|---|---|---|---|---|
| ***Prescriptive Measures*** | | | | |
| **HVAC Unit Heater** | **0.61** | **kBtu/hr** | **$ 1.50** | |
| **HVAC Unit Heater** | **1.10** | **kBtu/hr** | **$ 3.00** | **$ 0.421** |
| **Warm Air Furnace** | **1.10** | **kBtu/hr** | **$ 3.00** | **$ 0.421** |
| **Radiant Heating** | **4.33** | **kBtu/hr** | **$ 6.50** | |
| **Insulation-Attic** | **0.40** | **sq. ft.** | **$ 0.50** | |
| **Insulation-Attic** | **0.22** | **sq. ft.** | **$ 0.50** | |
| **Insulation-Attic** | **0.41** | **sq. ft.** | **$ 0.65** | |
| **Insulation-Attic** | **0.23** | **sq. ft.** | **$ 0.65** | |
| **Insulation-Roof** | **0.45** | **sq. ft.** | **$ 0.60** | |
| **Insulation-Roof** | **0.25** | **sq. ft.** | **$ 0.60** | |
| **Insulation-Roof** | **0.46** | **sq. ft.** | **$ 0.80** | |
| **Insulation-Roof** | **0.25** | **sq. ft.** | **$ 0.80** | |
| **Insulation-Wall** | **0.22** | **sq. ft.** | **$ 0.30** | |
| **Insulation-Wall** | **0.12** | **sq. ft.** | **$ 0.30** | |
| **Insulation-Wall** | **0.24** | **sq. ft.** | **$ 0.40** | |
| **Insulation-Wall** | **0.14** | **sq. ft.** | **$ 0.40** | |
| **Domestic Hot Water Tanks** | **0.79** | **kBtu/hr** | **$ 2.50** | **$ 0.518** |
| **Boiler Vent Damper** | **270.00** | **kBtu/hr** | **$ 1,000.00** | |
| **Gas Fryer** | **548.00** | **each** | **$ 600.00** | **$ 0.542** |
| **Clothes Washer** | **90.00** | **each** | **$ 180.00** | **$ 0.563** |
| **Steam Trap (New Tariff)** | **136.90** | **kBtu/hr** | **$ 125.00** | **$ 0.577** |
| **Boiler** | **1.50** | **kBtu/hr** | **$ 4.00** | **$ 0.388** |
| **DHW Tankless Water Heater** | **35.00** | **gpm** | **$ 60.00** | **$ 0.340** |
| **Gas Convection Oven** | **261.00** | **each** | **$ 400.00** | |
| **Conn 6 Pan Gas Steamer** | **912.00** | **each** | **$ 1,200.00** | |
| **Conn 6 Pan Gas Steamer** | **448.00** | **each** | **$ 600.00** | |
| **Double Rack Oven** | **1,806.00** | **each** | **$ 2,000.00** | |
| **Gas Griddle** | **158.00** | **each** | **$ 200.00** | |
| **Gas Fryer (New Tariff)** | **272.00** | **each** | **$ 600.00** | **$ 0.510** |
| **Attic Insulation Tier 1 (New Tariff)** | **0.31** | **sq. ft.** | **$ 0.50** | **$ 0.245** |
| **Wall Insulation Tier 2 (New Tariff)** | **0.19** | **sq. ft.** | **$ 0.56** | **$ 0.323** |
| **Motion Control Faucet** | **136.00** | **each** | **$ 105.00** | **$ 0.745** |

| MEASURES | ANNUAL THERM SAVINGS/UNIT | UNITS | PROGRAM REBATE | LOADED UC |
|---|---|---|---|---|
| Gas Convection Oven | 213.00 | each | $ 450.00 | $ 0.500 |
| Radiant Heating (New Tariff) | 4.330 | kBtu/hr | $ 6.95 | $ 0.331 |
| ESK A | 109.000 | each | $ 119.00 | $ 0.818 |
| ESK B | 14.000 | each | $ 44.00 | $ 0.705 |
| *Custom Measures* | | | | |
| Restaurant A Standard and Custom | 1,892 | /unit | $ 1,789.00 | $ 0.188 |
| Junior High School Standard & Custom | 1,933 | /unit | $ 2,588.00 | $ 0.160 |
| State Office A Standard and Custom | 15,706 | /unit | $ 13,982.00 | $ 0.210 |
| Elementary School Custom and Standard DHW Tank | 1,442 | /unit | $ 1,818.00 | $ 0.187 |
| High School Control Upgrade, Boilers | 7,504 | /unit | $ 9,459.00 | $ 0.187 |
| Event Center DCV Control | 4,219 | /unit | $ 2,250.00 | $ 0.165 |
| Warehouse Silverdale Custom Controls | 1,045 | /unit | $ 1,317.00 | $ 0.187 |
| Commercial Building Custom Insulation | 119 | /unit | $ 241.00 | $ 0.167 |
| Industrial Manufacturing Custom 2014+ | 229,000 | /unit | $ 145,750.00 | $ 0.130 |
| Restaurant B Combi Oven | 712 | /unit | $ 739.00 | $ 0.197 |
| State Offices B Standard and Custom | 6,613 | /unit | $ 3,059.00 | $ 0.284 |
| Industrial Custom | 174,600 | /unit | $ 146,500.00 | $ 0.149 |
| Restaurant C. Custom Dishwashers | 244 | /unit | $ 217.00 | $ 0.210 |
| Restaurant D. Custom Dishwashers | 422 | /unit | $ 438.00 | $ 0.197 |
| Commercial Building Custom | 280 | /unit | $ 353.00 | $ 0.187 |
| High School Retro-commissioning | 28,046 | /unit | $ 12,971.00 | $ 0.284 |
| State Offices Standard and Custom | 11,359 | /unit | $ 17,765.00 | $ 0.176 |
| TOTAL PROGRAM | | | | $ 0.216 |

### *Washington Low Income Program*

The Low Income Weatherization Incentive Program (LI-WIP) offers rebates to weatherization agencies performing work to increase energy efficiency in low-income households within Cascade's service territory. Rebates are provided for the installation of certain energy efficiency measures following the completion of a home energy evaluation performed by a qualifying Community Action Agency or Low Income Agency.

The following measures qualify for a rebate through the current LI-WIP tariff. Calculations for rebates are based on projected annual therm savings of the measure(s) x 100% of the Avoided Cost per therm.

**Table 6**

Current Low Income Weatherization rebate offerings from Tariff 301

| Measure | Avoided Cost per Therm |
|---|---|
| **Ceiling Insulation** | $8.09 |
| **Wall Insulation** | $8.09 |
| **Floor Insulation** | $8.09 |
| **Duct Sealing & Insulation** | $6.15 |
| **Infiltration Reduction** | $6.15 |

Cascade has partnered with low income weatherization providers since 2008, offering rebates to the agencies delivering essential home energy improvements to CNGC customers in the State of Washington. Achievements for each year have been provided in the table below.

**Table 7**

| **Weatherization Incentive Program Participation Levels and Savings by Year** | | |
|---|---|---|
| **Year** | **Number of Homes Served** | **Therm Savings** |
| 2008 | 46 | 13,985 |
| 2009 | 54 | 14,733 |
| 2010 | 112 | 30,809 |
| 2011 | 84 | 24,130 |
| 2012 | 64 | 21,824 |
| 2013 | 38 | 14,960 |
| 2014 | 21 | 7,338 |
| 2015 | 19 | 11,724 |

As demonstrated, participation by agencies in Cascade's LI-WIP rose steadily from 2008 through 2010, peaking at 112 homes served in a single year. This success was reflective of the abundance of funds available through the American Recovery and Reinvestment Act of 2009 (ARRA). It also reflected a time when natural gas costs were higher, thus resulting in higher avoided cost payments associated with the work performed. The higher energy burden of natural gas households at that time also resulted in greater prioritization of natural gas weatherization work.

Since 2011, the number of CNGC natural gas homes served by the low income weatherization program has steadily declined. Several agencies that had only minimally participated in LI-WIP since the advent of Cascade's program (even during the height of ARRA) have all but discontinued providing low income weatherization services to Cascade

customers. More troubling is anecdotal feedback that formerly active weatherization agencies have begun to inform customers that no weatherization services are available to natural gas customers, despite the ongoing availability of Rate Schedule 301 LI-WIP offered by Cascade.

Fortunately, the low income weatherization agencies, with the support of The Energy Project, and the Company's CAG have been extremely responsive to Cascade's request for feedback and support in restructuring its LI-WIP program to better accommodate the needs of the agencies with which the Company partners. The Company has further committed to coordinating with the CAG and Energy Project to present a proposal for overcoming barriers to the implementation of the LI-WIP program to the Commission by December 31, 2016.

On Wednesday, October 5, 2016 the Company presented the CAG with a discussion paper centered on potential revisions to Cascade's LI-WIP. Points of discussion included:

1) Identifying barriers to success, such as program design constraints; natural gas weatherization costs; and Federal guidelines. This included exploring the current design of the LI-WIP, Federal prioritization methods inhibiting deeper penetration of the program, and areas of potential improvement;

2) Identifying potential solutions to increase program viability by addressing the limitations associated with the current funding mechanism; and potentially reconfiguring the current program design to meet the needs of the agencies delivering the program.

The Company found this meeting to be extremely productive. Following this discussion, Cascade staff integrated feedback from the CAG and Opportunity Council to map out a preliminary re-design to its LI-WIP, which will be modeled in part from the success of the ongoing Conservation Achievement Tariff (CAT) pilot operated by the Company in the State of Oregon. CAT bridges the gap between avoided energy costs payable under the traditional Oregon Low Income Energy Conservation (OLIEC) program, and the total installed cost of a qualified weatherization measure.

In the State of Washington, it has generally been acknowledged that low-income weatherization is different from standard-income conservation efforts in that it also helps customers mitigate their energy burden, reduces arrearages, and addresses the long term energy needs of a low income customer's household in contrast to other programs such as bill assistance that address the immediate crisis. Supportive feedback from the Energy Project and the CAG on LI-WIP has led to consideration of the following proposed program modifications to Rate Schedule 301.

It is essential to note that these modifications will be further refined with the feedback of the Energy Project and the CAG in preparation for the Company filing to the Washington Utilities and Transportation Commission (WUTC) by December 31, 2016.

Proposed changes to the Company's LI-WIP include:

- Expansion of qualified Energy Efficiency Measures to align more closely with the Washington State Department of Commerce's Weatherization Priority List. This includes potential inclusion of measures such as water heater insulation, showerheads, aerators and furnaces and other measures that are eligible under the appropriate priority list for the Weatherization Agency's region and the home type being weatherized, or that qualify with a savings-to-investment ratio of 1.0 or higher under the TREAT audit performed by a qualifying agency.

- Project rebate payments to be expanded to include the total installed cost of approved measures as demonstrated through contractor invoices and/or an itemized list of work performed. Project payments to be capped at $10k to manage costs and ensure as many homes as possible receive weatherization services.

- Inclusion of an audit and inspection fee to agencies for work performed, similar to the one offered via Cascade's CAT pilot in Oregon.

Additional program terms and conditions will be reflected in the tariff and will also take the form of a memorandum of understanding (MOU) with each participating agency. The MOU will include individualized, realistic targets for each Agency to ensure as many low income natural gas homes as possible are served in Cascade's service territory.

Following the submission and approval of a revised LI-WIP tariff to the WUTC, Cascade will refine the anticipated therm savings and budgetary targets as appropriate.

## Conservation Programs in 2018

The Company expects in the next year to engage the CAG in discussions around viable rebate levels and potential portfolios for the 2018 program year. As mentioned in the previous iteration of the Plan, the Advisory Group showed interest in the Company moving away from its traditional method of maintaining the most robust cost-effective portfolio as feasible with rebates set near 30% of the incremental cost of the measure. The Company will explore varying levels of incentive per viable measure near the end of Q1 2017, leaving additional opportunities to review throughout 2017 and into 2018, with the idea being to increase the incentive levels to make them more enticing to consumers, without adversely affecting the programs or inadvertently promoting free-ridership.

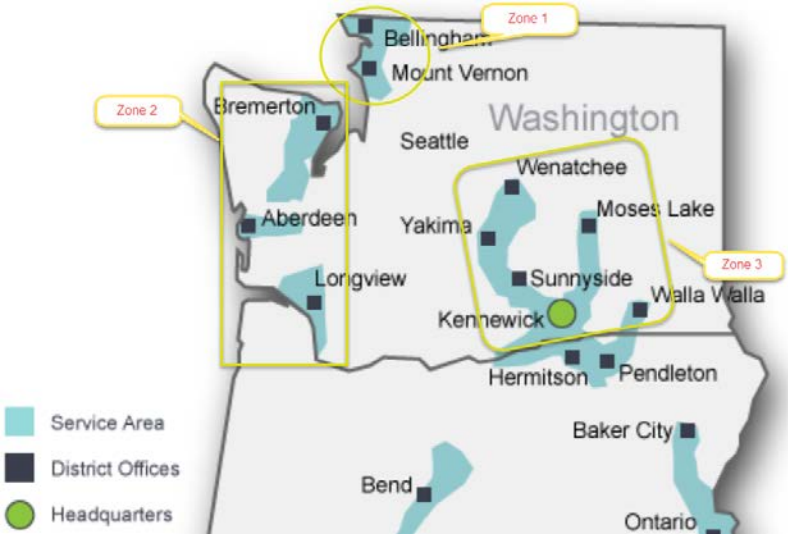
As the Company becomes more familiar with the strengths and capabilities of the iDSM Central software, and continues to build the historical database through everyday use, there is an opportunity to more fully capture actual installed equipment costs based on real data collected from the Company's service territory. One of the elements noted by Nexant Inc. in the potential study and evaluation from 2014 was a need for the Company to track the actual installed cost of measures on a regular basis. Installers often do not provide a detailed invoice broken down to the level of equipment cost vs. labor, but when available it provides a key metric the Company can use in future program planning and evaluation. The Company is using the 2017 year as a time to educate and condition its Trade Allies to provide all relevant data on invoices, including installed costs as available.

There is also a possibility in 2018 the Company will be able to start tailoring targeted conservation efforts and offers in climate zones and towns where the potential in that zone is not being met. Cascade's new method of forecasting savings potential based on climate zone will allow close tracking of achievements throughout 2017, and position the Company to act on this tracking in 2018 to pivot efforts as needs arise.

Calendar year 2018 also provides further opportunity to explore more robust messaging opportunities online for the program. All of these efforts will be geared toward increasing program uptake throughout the territory to meet the program goals as indicated by the TEA-Pot model.

### *Improved Granularity by Climate Zone*

**Figure 2**
**Cascade Natural Gas Washington Climate Zone Map**




As noted for the first time, the Conservation Forecast was run at the climate zone level of granularity instead of at a state wide level. By tailoring the inputs, each of the three climate

zones was able to reflect its technical, economic and achievable potential individually. This allows program administrators to tailor outreach to specific, potentially underperforming areas, and mimic other areas' successful marketing campaigns if they surpass their calculated potential.

Unique inputs include customer count and volume growth rate forecasts by customer class, (Residential, Commercial, and Industrial) as well as by avoided costs. All other factors were held constant across each climate zone's scenario, such as the inflation rate, long term discount rate, load profile, transmission loss rate, cost effectiveness threshold, which measures were left at the 30% of incremental costs incentive levels or bumped to 50%, and the administrative levelized costs per therm by end use. All factors of the model, as well as other changes introduced for the first time in this year's IRP, are discussed further in depth in the following Forward Looking Targets/TEA-Pot Forecasts section below.

The results of both the Residential and Commercial/Industrial Incentive Programs' climate zone level potential are summarized in the following graphs.

Note, Climate Zone 3 contains the Industrial customer class's highest potential. Large Industrial customers' projects are not available every year, but when they are, they have a large impact on the Commercial & Industrial program's annual achievements and full program portfolio's cost effectiveness.

The Total CIP Forecasted Potential by Zone graph demonstrates Climate Zone 2's lower potential compared to Climate Zones 1 and 3. The difference in potential can be tied to its significantly lower customer counts and volume inputs, which are partially offset by the lowest avoided costs in both the near and long term time horizons.

### *Forward Looking Targets/ TEA-Pot Forecasts*

As mentioned previously the method Cascade uses to calculate potential is the TEA-Pot modeling tool (developed in 2013/2014 by Nexant Inc.) The study's analysis at the time was based on calendar year 2012 and tailored to Cascade's distinct service territory.

The following section provides Cascade's achievable forecast by climate zone and customer class as per TEA-Pot calculations from October 2016 for the 10 year horizon.

**Figure 3**
**Zone 1 Achievable Conservation Forecast Potential by Customer Class**

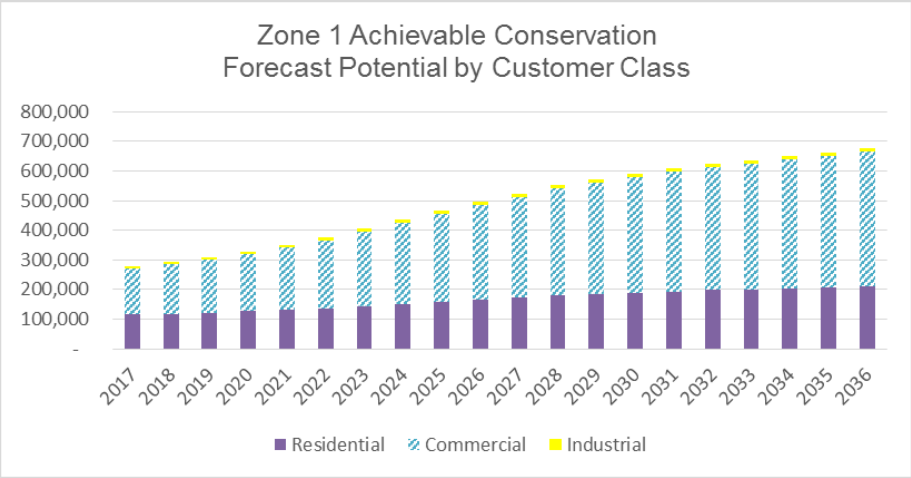



**Figure 4**
**Zone 2 Achievable Conservation Forecast Potential by Customer Class**

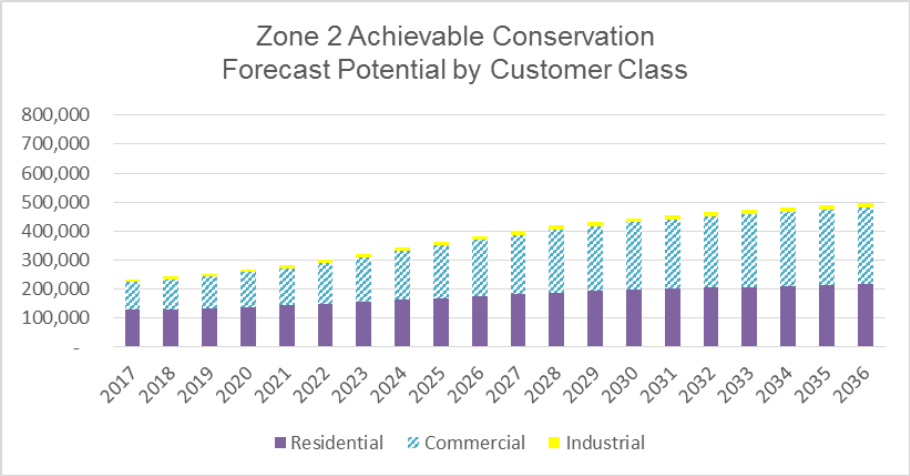



**Figure 5**
**Zone 3 Achievable Conservation Forecast Potential by Customer Class**

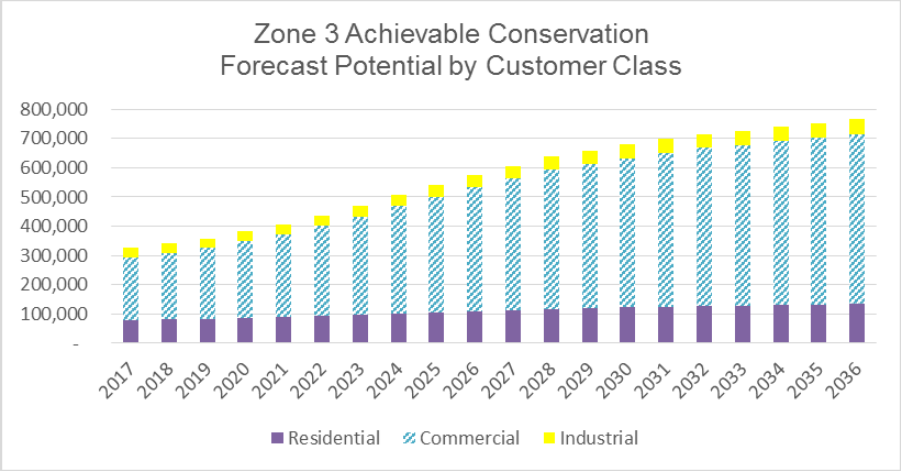
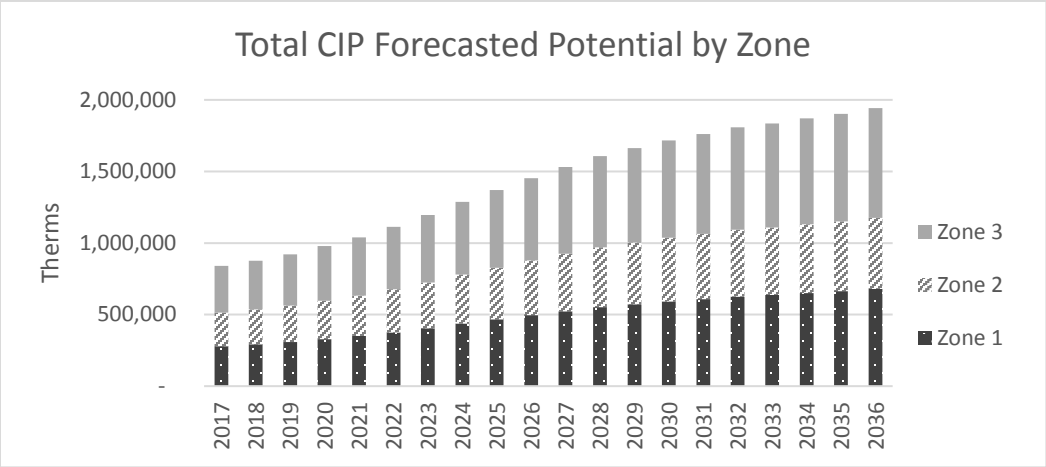


**Figure 6**
**Total CIP Forecasted Potential by Zone**




Cascade's methodology has changed in two key ways along with the inclusion of the administrative costs in the model, and climate zone granularity. First, on both the Residential and the Commercial/Industrial programs, all measures from the study are used for all years of the time horizon. This methodology was implemented instead of past Commercial/Industrial forecast modeling where solely the prescriptive measures offered under the current tariff in place at the time of writing were included in the forecast. This new methodology accounts for capturing the savings inherent to the custom project sector more accurately, in addition to the prescriptive measure offerings, without applying a subjective percentage of custom project therm savings (based on historic performance) on top of the prescriptive savings estimate. On the Residential side, this allows for a full review of the cost-effectiveness measures available in the Nexant Study's library to be considered for future changes to the menu of efficiency offerings.

Second, for both the Residential and Commercial/Industrial programs, measures deemed cost effective at the 50% level of incremental costs were run through the model at the higher incentive level. A higher incentive level yields a higher adoption curve because installation of the measure becomes more cost effective and thus more appealing to participants. In return, a higher level of potential therm savings becomes possible. A full list of included measures' cost effectiveness and incentive levels by customer class at the original base 30% incentive level are available in *Appendix A*.

Below is a summary of the other model inputs, updated from the 2016 Conservation Plan:

- Inflation rate decreased from 2.00% to 1.00% and is in line with the remainder of the IRP. It was also applied to the Administrative Costs per levelized therm by end use, based on 2015 Annual Report achievements. Thus, the decrease in inflation rate

helped decrease the long term Administrative Costs' forecast, and brought down the overall costs needed to acquire therm savings, thereby increasing the Benefit-Cost ratios for measures to pass cost-effectiveness.

- Transmission Loss rate decreased from 0.1959% to 0.1348%

- Long Term Discount rate decreased from 4.17% to 3.52%, aligned with the rest of the IRP's' models. Note, the lower the long term discount rate, the higher the therm savings potential because future years' therm savings' avoided cost values are discounted less, and thus more of the avoided costs can be included, thereby allowing the Benefit-Cost ratios for measures to pass the 0.90 cost-effectiveness threshold for inclusion in the modeling run. This approach recognizes the value of long-lived conservation measures and the generational benefits of deep energy savings.

- Administrative Costs increased to bring the Residential program administration in house, thereby increasing accuracy of reporting and improving control of the customers' rebate processing experiences. It also allowed expansion of Commercial and Industrial CIP outreach. The 2017 budget was set at $550,000 for the Residential program and $1 million for the Commercial/Industrial to accommodate the additional outreach efforts. Note while this may appear to have a negative impact on the Benefit-Cost ratios for each measure, and raises the costs needed to acquire therm savings, it is necessary to accommodate higher therm savings goals.

- Avoided Costs were updated per Appendix H and divided by Climate Zone. It is important to note the higher the Avoided Costs, the higher the therm savings potential because Avoided Costs under the Utility Cost Test increase the Benefit-Cost ratio to allow more measures to be considered cost-effective. Conversely, the lower the avoided costs, the lower the therm savings potential forecasted.

- Load Profile system wide and Customers and Volume Forecasts, divided by Climate Zone, were updated per the Demand Forecast chapter.

Nexant's model provides three levels of potential: Technical, Economic, and Achievable which are further defined below

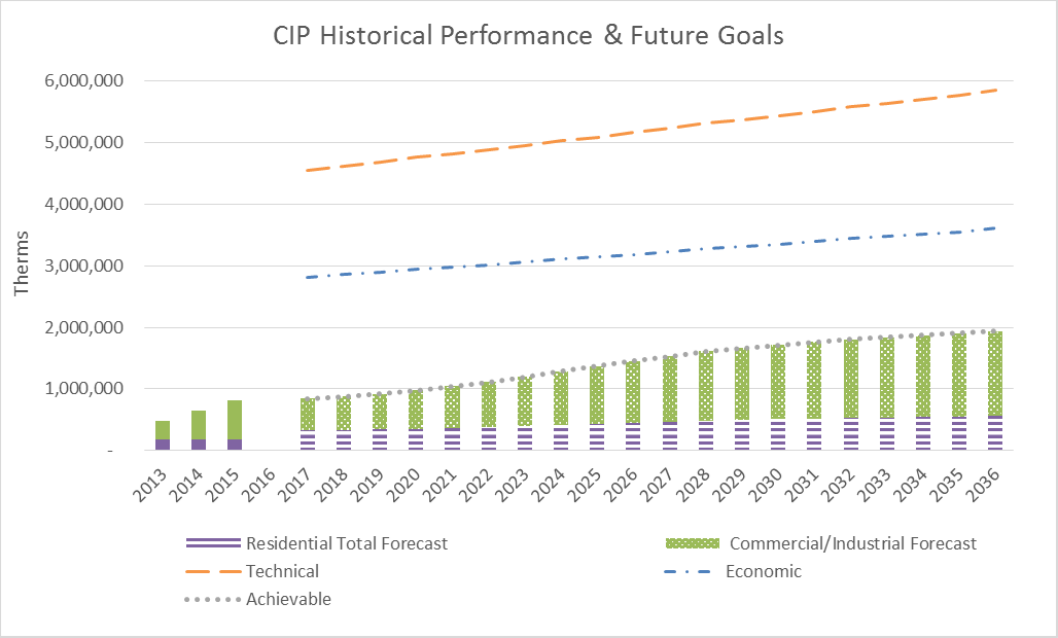
- *Technical Potential*: An estimate of all energy savings that could theoretically be accomplished if every customer that could potentially install a conservation measure did so without consideration of market barriers such as cost and customer awareness.

- *Economic Potential*: The most efficient measures that pass economic screening tests and is a subset of Technical Potential. Because measures' cost effectiveness differs by Climate Zone, market segmentation, and vintage, Cascade implements a 0.90 cost-effectiveness threshold in order to be able to include the largest breadth of measures feasible.

- *Achievable Potential:* Embodies a set of assumptions about the decisions consumers make regarding the efficiency of the equipment they purchase to simulate a realistic estimate of real-life conditions.

As mentioned in the previous section, the model was run individually by climate zone in order to provide increased granularity. The outcomes shown in that section are by climate zone, whereas the summary of the model's output below combines Technical, Economic, and Achievable therm savings potentials, in addition to the past three years of program performance for perspective. Note, 2016 figures are not available at time of writing as the program year has not ended, January 1, 2016 through December 31, 2016. Further analysis and representations of these forecasts can be found in *Appendix A*.

**Figure 7**
**Technical, Economic, Achievable 20 year potential snapshot**




The line graph above provides two separate lines denoting the savings potentials for Technical and Economic levels, followed by the Achievable Residential and Commercial /Industrial targets.

***CY 2017 & 2018 Targets***

Cascade is providing targets the Company has reported for its conservation potential from the 2016 IRP in the following section (in review status at the time of writing of this Conservation Plan). The Company has included the most up to date Achievable goals as per the TEA-Pot model *inclusive* of administrative costs as aspirational goals for 2017 and 2018. These goals have been developed keeping in mind the alterations the Cascade program is currently implementing.

As mentioned, historically the Company tracked rebate submissions to the date the measure or upgrade was installed at the premise. CAG members requested the Company track via the date a rebate was paid rather than the install date method to reduce lag-time in reporting savings. The Company agreed to transition its program reporting which should make annual reporting more straightforward for the 2016 program's Conservation Achievements Annual Report.

In the next two years the Company will continue to explore the cost-effectiveness of some of those measures included in the full Nexant review and not currently offered in its portfolio based on availability to the marketplace, administrative costs in implementing and a variety of other elements.

Note in the 2016 IRP, the Company included the full breadth of measures from Nexant's model for CY 2017 & CY 2018. For 2017, based on the most recent TEA-Pot model and current program offerings, the on-the-ground realistic goal would be closer to 156,459 therms for Residential, with a total of 687,457 including Commercial. However if the Residential program offerings in 2017 were altered significantly to include all possible measures in the Residential portfolio (the Commercial program is slightly different as all measures are encompassed under the custom option category) the goal would be that which is included as the "official" goals noted in this Plan.

The Company is aware it is important to demonstrate the level of savings that could be achieved should the full breadth of offerings be included in the program portfolio throughout the 10 year plan horizon. It is also important to recognize the portfolio will likely change throughout the next two years to accommodate building codes and technology updates.

The following graph shows the next ten years' worth of savings potential in Cascade's territory based on customer type under all three potential levels.

**Figure 8**

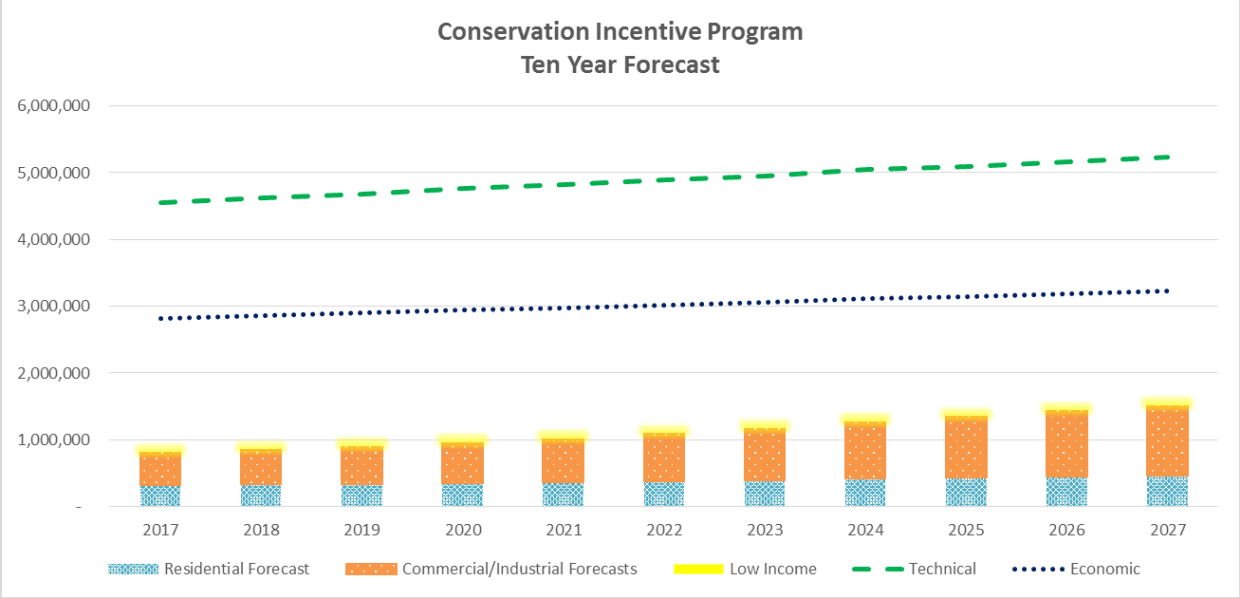
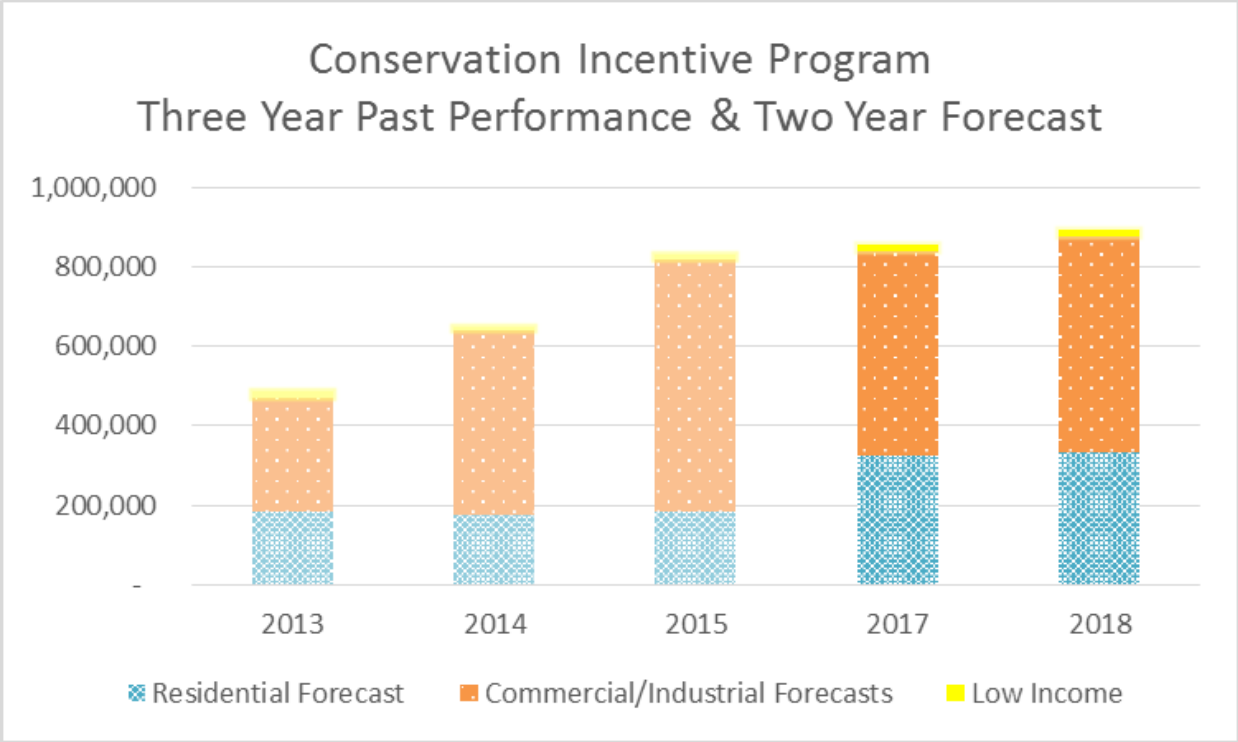



**Figure 9**




These projected achievements are based on the Company's current best estimates of its Achievable potential, which are based on projected gas costs and the Nexant Potential study of viable natural gas measures. Projections are subject to modification dependent upon updated forecasts; knowledge of evolving efficiency technologies; customer interest

and program participation levels; and updates based on external influences. Budgets for FY 2017 and 2018 are based commensurately with these targets and adjusted to ensure maintenance of cost-effectiveness and appropriate levelized costs. The Company anticipates the budget on a portfolio level for 2017 to be in the range of **$1.55 million** in administrative costs to support the increased goals for the residential program. FY 2018 is estimated to have a budget up to $**1.6 million**. The 2017 budget is in line with that which was released in the 2016 Conservation Plan. Administrative costs for FY 2017 are higher than those in previous years due to the transition of the Residential program processing to internal delivery, as well as the initial implementation fee for the new software platform (costs for this one-time software implementation will be accounted for separately in the annual report outside of the standard cost benefit analysis).

Note some of the set-up and development costs for the software package will be paid in 2017 as opposed to 2016 due to a lag in invoicing from delays in meeting delivery timelines. The Company also includes expected participation level costs for the five year NEEA pilot (total **$1,705,130**) as agreed upon in January, 2015. The Company lists these costs in the Annual Conservation Report and will represent the program's cost-effectiveness primarily without the associated NEEA pilot efforts, but also with the costs included in the analysis to demonstrate its effect on cost-effectiveness on the program as a whole.

**Table 8**
**Cascade Natural Gas NEEA Natural Gas Market Transformation Pilot Participation**

| Year | Cascade's Washington Commitment at 9.3% of total budget for 5 year pilot |
|---|---|
| 2015 | $145,872 |
| 2016 | $244,996 |
| 2017 | $313,174 |
| 2018 | $452,285 |
| 2019 | $548,803 |
| Total | $1,705,130 |

## Long term Conservation Potential

The Company provided a table of total CIP Forecasted therms for Residential, Commercial and Industrial efficiency gains from 2017-2036 in the 2016 IRP. Cascade is providing a clearer iteration of the incremental annual potential savings for this Conservation Plan for years 2017-2027 below.

**Table 9**

| Total CIP Forecast 2017-2027<br>Incremental Annual Energy Savings | | | | | | | |
|---|---|---|---|---|---|---|---|
| Year | Technical | Economic | Residential Achievable | Commercial /Industrial Achievable* | Total Achievable | Low Income | Conservation Plan |
| 2017 | 4,552,099 | 2,815,454 | 323,878 | 515,998 | 839,876 | 15,000 | 854,876 |
| 2018 | 4,622,799 | 2,858,324 | 331,357 | 545,217 | 876,574 | 15,000 | 891,574 |
| 2019 | 4,686,406 | 2,896,840 | 340,468 | 580,973 | 921,441 | 25,000 | 946,441 |
| 2020 | 4,769,664 | 2,948,056 | 352,843 | 626,755 | 979,599 | 25,000 | 1,004,599 |
| 2021 | 4,817,844 | 2,977,179 | 363,984 | 675,894 | 1,039,878 | 25,000 | 1,064,878 |
| 2022 | 4,886,307 | 3,018,791 | 378,657 | 735,221 | 1,113,877 | 25,000 | 1,138,877 |
| 2023 | 4,954,176 | 3,060,537 | 395,111 | 800,558 | 1,195,669 | 25,000 | 1,220,669 |
| 2024 | 5,044,322 | 3,115,644 | 414,680 | 872,792 | 1,287,472 | 25,000 | 1,312,472 |
| 2025 | 5,093,061 | 3,145,133 | 431,139 | 938,231 | 1,369,370 | 25,000 | 1,394,370 |
| 2026 | 5,163,110 | 3,187,846 | 449,272 | 1,004,324 | 1,453,596 | 25,000 | 1,478,596 |
| 2027 | 5,231,124 | 3,229,479 | 466,452 | 1,064,697 | 1,531,149 | 25,000 | 1,556,149 |

Note, short-term goals are more realistic when viewed in two-year increments since they allow flexibility in addressing current legislative, building code and budgeting criteria.

Many specific details are required to implement successful programs. As discussed above, the program potential, that which is based from actual implementation design, delivery, and market conditions, reflects some variance in savings, costs, and overall achievements. Customer participation in a program is heavily influenced by the level of incentive paid by the utility versus the cost to the customer.

External infrastructure considerations must also be addressed, such as product availability to utility customers and an adequate network of contractors, retailers, and trade allies to

support a program. As new measures or expanded programs are developed and added to the current program mix, internal and external resources and capabilities need to grow accordingly and progress through a “learning curve.” Additionally, revised projections regarding the cost of natural gas and other external factors will always lead to needed revisions to the Company’s existing programs, and will result in additional impacts on the company’s projected participation levels.

## Planning and EM&V

The Company and its software vendor Nexant Inc. is continuing the process of customizing and building the iDSM Central platform for the Cascade residential programs including Low Income and iTrade Ally support. As part of the transition to internal program delivery, the Company researched ways to cost-effectively increase Evaluation, Measurement and Verification opportunities within the program reporting software platform. Nexant is committed as a partner in further developing the opportunities inherent in its software into Calendar year 2017. The following year will also provide the Company with the means to use the software to provide the tracking and groundwork for future EM&V efforts, potentially in conjunction with additional outside evaluations in future years when deemed necessary and not cost-prohibitive.

### *Housing Stock Assessment Review from NEEA*

One of the areas CAG stakeholders requested Cascade explore and incorporate into future efforts involves engaging further with NEEA in relation to their housing assessment reports. These reports encompass a snapshot of a specific building stock (Residential and Commercial) and have information relevant to natural gas service percentages throughout each of the years of the study. This will enable a view into trends amongst gas usage and gas equipment types. Although the reports do not have gas meter data they have been a key element of the NEEA efforts to understand the market potential in the region. The desire is for Cascade to work with NEEA staff to develop recommendations for exploring what else can be extrapolated specific to Cascade as a gas utility from the data to help in updates to the Company’s programs.

Cascade currently depends on its Nexant potential study from 2013-2014 to establish program potential (as that study was specifically intended to address Cascade’s territory), but sees an opportunity to further refine its approach to future program planning by including elements of the NEEA housing assessments from a regional perspective and in other areas where it might not have previously seen opportunities or needs.

The Company will engage in conversations with NEEA in 2017 to explore additional opportunities for leveraging this resource into its program planning methods.

## Outreach & Messaging Campaigns

The Company frequently reaches out to the public to notify rate payers of available incentives in order to drive uptake of the Conservation Incentive Programs – thereby reducing overall consumption of natural gas. The Company approaches its customer-facing energy efficiency messaging through an integrated marketing strategy - meaning multiple marketing methods or avenues are used to deliver a single (unified) message.

This method utilizes a consistent message that is reinforced frequently to increase brand awareness of the Cascade CIP to natural gas customers. In addition to the integrated marketing approach, the Company is also employing a cross channel marketing practice whereby the customer not only receives messaging via various mediums, but can also use the medium which they are most comfortable with to, in turn, interact with Cascade's programs. The Company does not employ all possible channels by which it could reach customers since marketing can be a costly endeavor, but rather is strategic in its approach to focus on marketing channels that take advantage of synergies in the avenues traditionally employed. The Company leverages existing partnerships and communication channels and adds new opportunities as they arise to keep its energy efficiency message useful, low-profile (yet impactful) and natural in its placement.

The marketing world is rapidly changing with additional technology and social media opportunities. The Company's CIP has traditionally centered on known messaging opportunities but is poised in the next year or two to move further into the digital and social media realm to reach rate payers through additional media channels – always keeping the integrated message in mind.

Current examples of avenues customers can use to gain information or interact with the program include using the internet as a resource for information about the programs through the www.cngc.com/conservation website, applying to receive a residential rebate through a customer portal https://cngc.dsmcentral.com/traksmart4/public/registration.do, sending in a hard copy application through the mail, contacting the program via phone or email and direct one-on-one interactions during an event at which program staff present.

In turn, the Company has multiple avenues in place to deliver program messaging including bill inserts to existing customers, radio advertising, event participation, community engagement and program material inclusion in external publications as well as targeting specific audiences for that message. With the increased goals comes a need to increase outreach and messaging to those key audiences.

A messaging campaign includes elements of consistency for brand awareness with a key focus on the Conservation Incentive Programs offered through Cascade as a standard go-

to for high-efficiency options to assist with offsetting the cost of higher-performance upgrades.

Cascade's messages and print material are tailored to the intended audience. Examples of potential audiences include residential, commercial, construction industry, real-estate and the financial or loan industry.

***Community Participation - A Key to Program Longevity and Support***

One area Cascade has repeatedly found essential to increased program participation and awareness is involvement with local community energy efforts and programs. The Company has long followed the motto *'"In the Community to Serve"* which is strongly reinforced through the offerings provided through the Energy-Efficiency and Community Outreach Department. Energy program efforts outside of the utility programs are often a valuable resource for the utility to leverage in order to reach a new audience while reinforcing the same efficiency message to audiences the Company has targeted in the past.

The following discussion highlights some of the community groups and areas the Company will continue to partner with and message through:

On an annual basis Cascade partners with community energy programs including Sustainable Connections and the Community Energy Challenge in Whatcom and Skagit County and the Sustainable Living Center in Walla Walla. The Company provides funds to assist with delivery of its program information and pave the way for additional customers to apply for (and qualify for) rebates while working through the local auditors and the Community Energy Efficiency Programs (CEEP) where available. The CEEP were created by the Washington State Legislature in 2009 and administered by the Washington State University Extension Energy Program. The funds were used to help deliver energy efficiency upgrades to targeted customers throughout Washington State – both homeowners and small businesses alike. Funding for the program participants originated with the U.S. Department of Energy's State Energy Program and the American Recovery and Reinvestment Act. Once the pilot efforts had wrapped up additional funding was provided to the organizations to leverage already existing community investment. See *Appendix B* for copies of the sponsorship letter agreements between the Company and Sustainable Connections, Community Energy Challenge and the Sustainable Living Center which list out the benefits of partnering with the agencies for their energy use reduction collaborative efforts.

These CEEP funded organizations have been creative in the methods used to help customers reduce usage – ranging from performing energy audits, suggesting energy-

saving efforts, leveraging utility rebates, creating and maintaining Trade Ally networks of qualified contractors and providing additional rebates on top of the existing utility sponsored rebates. In each of these situations, the CEEP group has been an integral partner with the utility in providing personal interactions with community members to help them apply, and more importantly, qualify for the rebate program. In many situations the community organization has helped make the final push to encourage the customer to go with the higher-efficiency options by providing an in-depth understanding of how the different elements of the home affect their comfort, health and overall energy use. Having the ability to partner with local organizations whose efforts include reaching out and performing these services has proved immensely beneficial to all parties in the equation. If a customer can look at their energy use on a whole home basis as opposed to a one-off upgrade approach the overall reduction and potential for repeat efforts increases dramatically.

The Company has spent the past several years working with four towns within its service territory, three of which are in Washington, in their community wide effort to reduce energy use in the residential and municipal realm. Walla Walla, Bellingham and Anacortes engaged in the Georgetown University Energy Prize (GUEP) Competition an effort to encourage local governments and utilities to work with their communities to develop and implement plans for replicable, innovative, scalable and consistent reductions in natural gas and electric consumption. Three areas of import for the prize include:

- Spurring innovative approaches for communities to decrease their per-capita energy usage;
- Highlighting best practices for communities working with utilities, businesses, and their local governments to create and implement inventive plans for sustained energy efficiency;
- Educate the public and engage students in energy efficiency issues including methods, benefits and the environmental costs of the full fuel cycle.

Support from the Company has taken the form of assisting the GUEP with developing best practices in data tracking from a utility perspective, providing quality aggregate data downloads to track reductions in the participating towns and providing miscellaneous assistance as requested to the cities in the variety of activities and events they have engaged in within the communities to promote the efforts. The competition timeframe concludes at the end of 2016, however final evaluation and data management will continue into 2017. As part of the support the Company has provided to communities participating in these efforts, a joint bill insert was released to the four towns in Cascade's territory in 2015 and 2016 (see *Appendix B* for reference.) The Company has also provided a copy of a coloring book cover that was tailored to efficiency messaging for local students interested

in energy-efficiency which can be viewed in the *Appendix B.* Note the remainder of the coloring book includes low-cost/no-cost tips for children to reduce their energy use.

Cascade has also found great value in coordinating with the Western Washington University Institute for Energy Studies. This partnership has grown for the past two years and has been an excellent opportunity for Cascade to provide support to the Sustainability efforts on the Campus with information about its Energy-Efficiency programs, tabling at events as they arise and providing guest lectures about demand side management and associated efficiency programs for multiple classes at the university including a Business of Energy and an Energy Policy class in support of the Energy Policy and Management major as well as the Energy Policy minor.

Company representatives are also involved in a Women in Energy Mentoring Network (WIEMN) which meets on a monthly basis and provides students an opportunity to talk to professionals throughout the industry about various energy topics including efficiency and renewable resources. Its goal is to develop leadership skills in students while maintaining diversity in energy studies and the energy industry through the support and feedback of professionals.

In 2015 Cascade partnered with other utilities in the Tri-Cities area to provide an Energy Experience to local junior high students. The event's goal was to target middle school students and educate them about energy generation, production, safety, efficiency and conservation. Participation by Cascade helped increase awareness of natural gas as a source of energy in the home and how it is used, and in turn how it could be conserved. It also provided an opportunity to talk about the Cascade rebate program in terms of rebates, home energy consumption, and the importance of understanding how a home performs and can be audited, see *Appendix B* for a copy of the flyer developed for the outreach event to students. The event is slated to occur again in 2017 with the Company planning to continue participation.

In accordance with the Company's integrated marketing efforts Cascade has also branched out to its customers through an alternative messaging venue from standard energy efficiency focused events in the community. During the spring and summer season for the past two years the energy efficiency department has worked closely with the safety department on a joint message. The groups will continue outreach of this nature in future years, although the final format will be determined based on discussions with the advertisers and team. A messaging campaign was provided during the Walla Walla Sweets baseball team and Yakima Pippins baseball team seasons for the Company to provide information about natural gas safety going hand-in-hand with efficient use of natural gas. See *Appendix B* for a copy of a handout provided to all attendees at the games as well an

image of one of the signs at the fields. Overall program impressions at one of the fields was up to 1,300 fans viewing the messaging each night throughout the season, and at the other field 41,255 fans attended games this season. The campaign included the following elements:

- Either a 3'x4' poster at the stadium entrance or a 12'x8' outfield sign
- In-game promotion of safe digging (811 promotion) - (*please note costs for this element of the messaging were not covered through deferred funds*)
- 30 second video board commercial during Yakima game
- 30 second radio commercial per game
- 3 tabling nights at each field with distribution of up to 600 efficiency flyers per game
- Web-button linking to CNGC and the efficiency programs from the team's website

Energy efficiency messaging is also provided when requested for support of District Office community engagement efforts including the items from Longview's outreach during sporting events in *Appendix B* from 2016.

In the coming year, Cascade also plans to create Spanish language messaging and forms to ensure the Company is engaging more fully with the Latino community in energy efficiency education and awareness.

***Residential Focus***

The Company takes advantage of the opportunity to message to its customers on the energy efficiency programs whenever possible and cost effective. One such example includes the monthly energy efficiency bill insert sent to all core customers which is sent to customers receiving utility bills in both an electronic and hard copy form. This venue continues to be a viable and consistent format for providing efficiency messaging and updates to customers on program offerings. See *Appendix B* for samples of inserts sent during CY 2016. The bill inserts are generally residential customer focused as it's important for the decision makers in the home to receive the messaging. Having said that, the Company has also referenced its commercial program offerings in bill inserts on occasion and has received follow-up from customers based on the information in the piece.

Local Home Builders Associations provide another strong partnership opportunity for energy efficiency messaging. These organizations play an integral part with local contractors and the new home industry to promote higher-efficiency equipment use and efficient building practices, including Built Green® certification. The Company attends Built Green meetings and events as available to further encourage uptake of program offerings and higher-efficiency natural gas investment from builders at the time when decisions are being made. HBAs commonly message to new home buyers and those interested in

renovating their existing homes – which in turn, provides the Company with a premier opportunity for outreach during an association's Home and Garden Shows and Home Tours. During these events, the Company often places advertisements in event directories and at the homes themselves (see *Appendix B*). The Company will also attend such events in person to speak with customers and support local Trade Ally Contractors by providing program materials and rebate information for distribution to attendees. These efforts will continue into 2017 and 2018 with the Tri-Cities HBA, Central Washington HBA, Skagit/Island County HBA, Home Builders Association of Whatcom County and others as deemed appropriate. Note – in Longview the Company has also provided ad placements in the Lower Columbia Contractor's Association Directory which meets many of the same messaging opportunities as coordinating with the HBAs (See Appendix B for ad placements from 2016).

The real-estate industry also poses a unique opportunity for Company representatives to provide information about energy-efficiency offerings to an audience that is poised to help home buyers make wise decisions on future energy consumption in their homes. Informing real-estate agents of available rebates and the impact energy choices can make to a home's energy costs during the lifespan of the measure is important to start the purchaser on an energy efficient path as early as possible. The Company has attended Association of Realtor meetings in the past and will seek additional opportunities to increase outreach to this group throughout 2017 and into 2018.

As the home owner/buyer is most frequently the decision maker in efficiency upgrade situations it's also an opportunity for the Company to provide information to the industry helping home buyers with their purchase – i.e. the financial or loan industry. The Company recognizes that one of the main barriers to installing higher-efficiency equipment in existing homes and businesses is the initial higher costs. If the Company is able to get information about rebates into the hands of those making the purchasing decisions it helps them be more informed about their options and possibly accommodate the additional higher costs at the time funding is being discussed and made available. Cascade will research opportunities for outreach to this industry in 2017 and increase its efforts accordingly into 2018.

The Company relies heavily on coordination with local area contractors to encourage uptake of its conservation programs. Contractors are on site with the customer, in their home, helping them make the decision to install either standard or high-efficiency appliances. Since contractors play such an integral role in the customer experience and decision making process the Company therefore maintains a robust Trade Ally (TA) network and encourages these contractors to promote higher-efficiency natural gas equipment. The TA network also enables the Company to confirm the majority of

installations performed as part of the CIP conforms to industry best practices meaning the install meets expectations and results in anticipated energy savings.

As part of the residential transition to internal program implementation, Trade Ally management is now being handled directly by Cascade staff. This gives the Company the ability to interface directly with the contractors should questions or concerns arise. The Company also sends periodic newsletters and emails to the contractors addressing pertinent aspects of the program including updates, quality control issues, highlighting best practices and case studies, etc. The Company also provides a range of Trade Ally benefits to encourage active sales of higher-efficiency natural gas equipment and measures. See *Appendix B* for an example of a trade ally bonus coupon, which provides an additional incentive to customers working directly through a qualified TA. These coupons must be submitted by a customer in conjunction with a qualifying rebate application whereupon funds are distributed directly to the customer. The TA program also provides limited cooperative marketing funding for Trade Allies along with reimbursement monies for trainings relevant to working with homes served by natural gas.

***Low Income messaging opportunities***

With the revision of the LI-WIP programs there will be opportunities for additional messaging to customers and the Agencies. The Company will continue to work hand-in-hand with the Agencies to encourage uptake of the programs and may also use bill inserts to generate greater program awareness in select areas, or other strategies at the request of the Company's weatherization partners including public facing advertising as deemed appropriate and cost-effective.

***Commercial Focus***

In addition to the Company's residential outreach efforts, Cascade also tailors messaging to Commercial and Industrial customers. Outreach efforts for these customers in the past were tailored to one-on-one customer engagement and have since blossomed to a more robust effort in accordance with the cross-channel marketing mentioned earlier. For the past several years, Cascade has been a sponsor at the Northwest Food Processors Association Energy Summit. This sponsorship gives program representatives a unique opportunity to discuss conservation options in person and provide information directly to industrial customers who can otherwise be difficult to reach.

The Company also sponsored the 2016 Washington Energy Future Conference where we displayed messaging about the program in the directory. This event plays a key role in promoting energy efficiency throughout the state to industry decision makers and the general public. See *Appendix B* for a sample of the ad.

Additionally, the Company has posted a standee at the Columbia Center Mall tailored to both residential and small commercial business owners, encouraging these customers to consider efficiency in the business and purchasing decisions they make. See *Appendix B*.

The Company regularly attends and tables at Chamber of Commerce events including annual meetings, business expos and monthly meetings to distribute commercial/industrial messaging, and will continue to do so in the following years as opportunities arise.

In 2016, Lockheed Martin, the Company's Commercial program implementation vendor increased its outreach efforts on behalf of the Cascade CIP and is positioned to continue to further increase these efforts into 2017. The Lockheed team attends and tables at events as needed to provide information about Commercial and Industrial program offerings and requirements. They have also reached out to local Chambers and directories to display advertisements to further increase interest in rebates. Lockheed has identified multiple opportunities to highlight customer achievements by providing case studies and public check presentations to increase awareness and excitement about commercial natural gas upgrades. See *Appendix B* for sample

The program will continue to move forward with its outreach strategy into 2017. The Cascade team will also work with Lockheed to develop a more robust second tier of commercially focused trade allies who can serve the same role as the residential program in helping customers move toward higher-efficiency options.

# Appendix A

## Conservation Planning 2017
## Cascade Natural Gas Corporation

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**Breakdown of Scenarios by Customer Class**

**with Adoption Curves**

**Equipment and Non Equipment Libraries**

| Residential Forecasts | | | |
|---|---|---|---|
| Year | Tech | Econ | Achievable |
| 2017 | 1,153,065 | 960,841 | 323,878 |
| 2018 | 1,169,903 | 973,256 | 331,357 |
| 2019 | 1,184,300 | 985,292 | 340,468 |
| 2020 | 1,204,222 | 1,001,899 | 352,843 |
| 2021 | 1,213,571 | 1,009,714 | 363,984 |
| 2022 | 1,228,391 | 1,022,078 | 378,657 |
| 2023 | 1,243,366 | 1,034,568 | 395,111 |
| 2024 | 1,263,873 | 1,051,638 | 414,680 |
| 2025 | 1,273,121 | 1,059,334 | 431,139 |
| 2026 | 1,288,080 | 1,071,785 | 449,272 |
| 2027 | 1,302,901 | 1,084,093 | 466,452 |
| 2028 | 1,323,802 | 1,101,481 | 484,478 |
| 2029 | 1,332,855 | 1,108,992 | 496,550 |
| 2030 | 1,346,751 | 1,120,426 | 508,657 |
| 2031 | 1,360,395 | 1,131,650 | 519,158 |
| 2032 | 1,380,170 | 1,147,991 | 530,765 |
| 2033 | 1,387,405 | 1,153,884 | 536,512 |
| 2034 | 1,400,722 | 1,164,845 | 545,271 |
| 2035 | 1,414,005 | 1,175,781 | 552,472 |
| 2036 | 1,435,386 | 1,193,634 | 561,700 |

| Commercial/Industrial Forecasts | | | |
|---|---|---|---|
| Year | Tech | Econ | Achievable |
| 2017 | 3,399,034 | 1,854,613 | 515,998 |
| 2018 | 3,452,896 | 1,885,068 | 545,217 |
| 2019 | 3,502,105 | 1,911,548 | 580,973 |
| 2020 | 3,565,442 | 1,946,157 | 626,755 |
| 2021 | 3,604,272 | 1,967,465 | 675,894 |
| 2022 | 3,657,915 | 1,996,713 | 735,221 |
| 2023 | 3,710,809 | 2,025,969 | 800,558 |
| 2024 | 3,780,448 | 2,064,006 | 872,792 |
| 2025 | 3,819,939 | 2,085,799 | 938,231 |
| 2026 | 3,875,030 | 2,116,061 | 1,004,324 |
| 2027 | 3,928,224 | 2,145,386 | 1,064,697 |
| 2028 | 3,999,479 | 2,184,484 | 1,123,630 |
| 2029 | 4,036,383 | 2,204,858 | 1,166,051 |
| 2030 | 4,090,945 | 2,234,827 | 1,207,197 |
| 2031 | 4,143,535 | 2,263,714 | 1,242,185 |
| 2032 | 4,211,920 | 2,301,211 | 1,277,411 |
| 2033 | 4,247,266 | 2,320,633 | 1,299,065 |
| 2034 | 4,300,942 | 2,350,312 | 1,325,558 |
| 2035 | 4,351,743 | 2,378,098 | 1,350,379 |
| 2036 | 4,428,426 | 2,420,644 | 1,379,572 |

| Total Conservation Forecasts | | | |
|---|---|---|---|
| Year | Technical | Economic | Achievable |
| 2017 | 4,552,099 | 2,815,454 | 839,876 |
| 2018 | 4,622,799 | 2,858,324 | 876,574 |
| 2019 | 4,686,406 | 2,896,840 | 921,441 |
| 2020 | 4,769,664 | 2,948,056 | 979,599 |
| 2021 | 4,817,844 | 2,977,179 | 1,039,878 |
| 2022 | 4,886,307 | 3,018,791 | 1,113,877 |
| 2023 | 4,954,176 | 3,060,537 | 1,195,669 |
| 2024 | 5,044,322 | 3,115,644 | 1,287,472 |
| 2025 | 5,093,061 | 3,145,133 | 1,369,370 |
| 2026 | 5,163,110 | 3,187,846 | 1,453,596 |
| 2027 | 5,231,124 | 3,229,479 | 1,531,149 |
| 2028 | 5,323,281 | 3,285,965 | 1,608,109 |
| 2029 | 5,369,238 | 3,313,850 | 1,662,601 |
| 2030 | 5,437,697 | 3,355,253 | 1,715,853 |
| 2031 | 5,503,930 | 3,395,364 | 1,761,343 |
| 2032 | 5,592,090 | 3,449,201 | 1,808,177 |
| 2033 | 5,634,670 | 3,474,518 | 1,835,577 |
| 2034 | 5,701,664 | 3,515,157 | 1,870,829 |
| 2035 | 5,765,748 | 3,553,879 | 1,902,851 |
| 2036 | 5,863,812 | 3,614,278 | 1,941,272 |

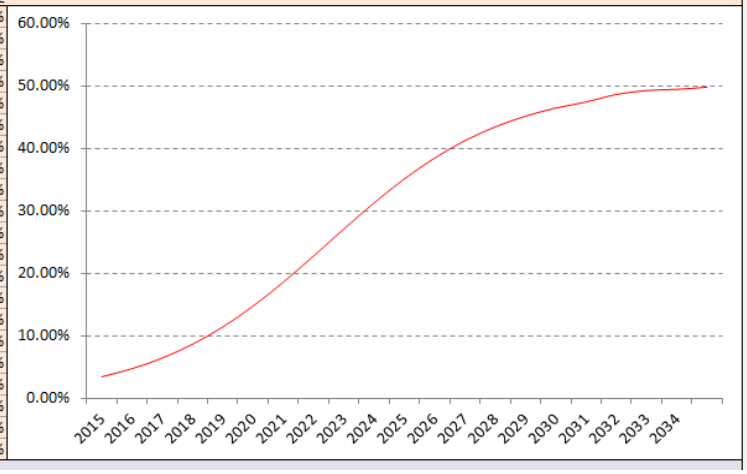
| Commercial Forecasts | | | |
|---|---|---|---|
| Year | Tech | Econ | Achievable |
| 2017 | 3,178,361 | 1,726,527 | 468,479 |
| 2018 | 3,228,640 | 1,755,071 | 496,521 |
| 2019 | 3,275,345 | 1,780,082 | 530,929 |
| 2020 | 3,335,788 | 1,812,997 | 575,035 |
| 2021 | 3,372,961 | 1,833,333 | 622,516 |
| 2022 | 3,424,468 | 1,861,331 | 679,805 |
| 2023 | 3,475,362 | 1,889,417 | 742,897 |
| 2024 | 3,542,475 | 1,925,981 | 812,585 |
| 2025 | 3,580,683 | 1,947,024 | 875,725 |
| 2026 | 3,633,982 | 1,976,240 | 939,436 |
| 2027 | 3,685,422 | 2,004,543 | 997,584 |
| 2028 | 3,754,384 | 2,042,306 | 1,054,356 |
| 2029 | 3,790,238 | 2,062,067 | 1,095,213 |
| 2030 | 3,843,214 | 2,091,112 | 1,134,886 |
| 2031 | 3,894,232 | 2,119,085 | 1,168,627 |
| 2032 | 3,960,462 | 2,155,328 | 1,202,616 |
| 2033 | 3,994,967 | 2,174,260 | 1,223,571 |
| 2034 | 4,047,168 | 2,203,081 | 1,249,084 |
| 2035 | 4,096,585 | 2,230,060 | 1,273,176 |
| 2036 | 4,171,528 | 2,271,522 | 1,301,660 |

| Industrial Forecasts | | | |
|---|---|---|---|
| Year | Tech | Econ | Achievable |
| 2017 | 220,673 | 128,086 | 47,520 |
| 2018 | 224,256 | 129,997 | 48,695 |
| 2019 | 226,760 | 131,466 | 50,045 |
| 2020 | 229,654 | 133,160 | 51,720 |
| 2021 | 231,311 | 134,131 | 53,378 |
| 2022 | 233,448 | 135,382 | 55,416 |
| 2023 | 235,447 | 136,552 | 57,661 |
| 2024 | 237,973 | 138,025 | 60,207 |
| 2025 | 239,256 | 138,776 | 62,506 |
| 2026 | 241,048 | 139,821 | 64,888 |
| 2027 | 242,802 | 140,844 | 67,113 |
| 2028 | 245,094 | 142,178 | 69,274 |
| 2029 | 246,146 | 142,791 | 70,838 |
| 2030 | 247,731 | 143,715 | 72,311 |
| 2031 | 249,302 | 144,629 | 73,558 |
| 2032 | 251,458 | 145,883 | 74,796 |
| 2033 | 252,299 | 146,374 | 75,494 |
| 2034 | 253,774 | 147,231 | 76,474 |
| 2035 | 255,158 | 148,038 | 77,203 |
| 2036 | 256,898 | 149,123 | 77,911 |

**Adoption Curve for Each Achievable Scenario and Incentive Level**

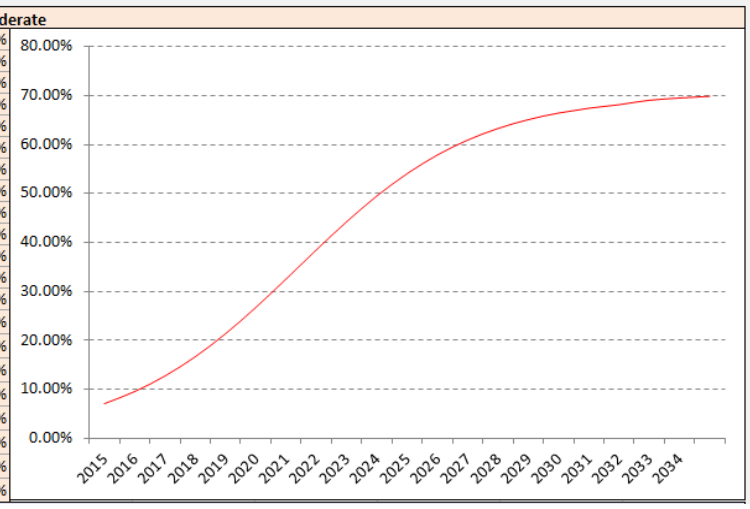
**Achievable 1 - Adoption Curve for 30% of Incremental Costs Incentive Level**

| Name: | Achievable Base |
|---|---|
| 2015 | 3.46% |
| 2016 | 4.76% |
| 2017 | 6.47% |
| 2018 | 8.69% |
| 2019 | 11.46% |
| 2020 | 14.80% |
| 2021 | 18.64% |
| 2022 | 22.84% |
| 2023 | 27.16% |
| 2024 | 31.36% |
| 2025 | 35.20% |
| 2026 | 38.54% |
| 2027 | 41.31% |
| 2028 | 43.53% |
| 2029 | 45.24% |
| 2030 | 46.54% |
| 2031 | 47.50% |
| 2032 | 48.72% |
| 2033 | 49.35% |
| 2034 | 49.54% |
| | 49.88% |



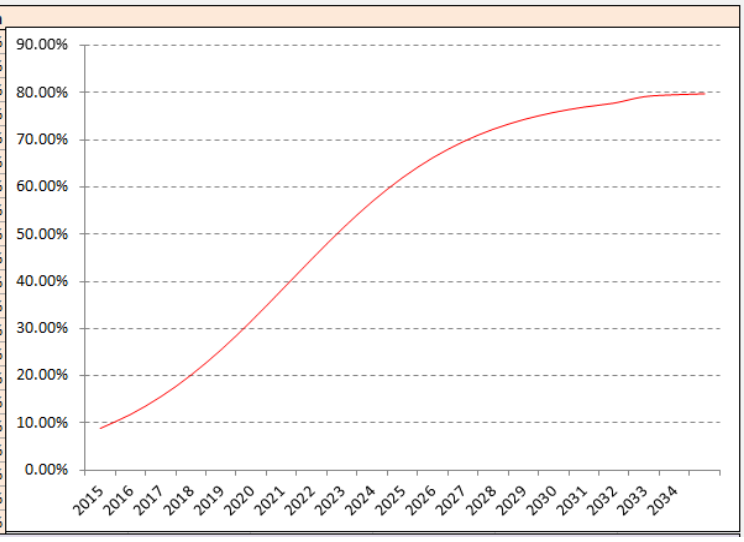

**Achievable 2 - Adoption Curve for 50% of Incremental Costs Incentive Level**

| Name: | Achievable Moderate |
|---|---|
| 2015 | 7.07% |
| 2016 | 9.56% |
| 2017 | 12.73% |
| 2018 | 16.67% |
| 2019 | 21.37% |
| 2020 | 26.74% |
| 2021 | 32.55% |
| 2022 | 38.50% |
| 2023 | 44.25% |
| 2024 | 49.51% |
| 2025 | 54.08% |
| 2026 | 57.89% |
| 2027 | 60.93% |
| 2028 | 63.30% |
| 2029 | 65.10% |
| 2030 | 66.44% |
| 2031 | 67.43% |
| 2032 | 68.16% |
| 2033 | 69.05% |
| 2034 | 69.52% |
| | 69.88% |




**Achievable 3 - Adoption Curve for 75% of Incremental Costs Incentive Level**

| Name: | Achievable High |
|---|---|
| 2015 | 8.83% |
| 2016 | 11.80% |
| 2017 | 15.55% |
| 2018 | 20.13% |
| 2019 | 25.53% |
| 2020 | 31.62% |
| 2021 | 38.14% |
| 2022 | 44.76% |
| 2023 | 51.13% |
| 2024 | 56.94% |
| 2025 | 61.99% |
| 2026 | 66.21% |
| 2027 | 69.60% |
| 2028 | 72.25% |
| 2029 | 74.29% |
| 2030 | 75.82% |
| 2031 | 76.96% |
| 2032 | 77.79% |
| 2033 | 79.17% |
| 2034 | 79.57% |
| | 79.78% |



| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Mfg_CZ1 | 1 | 0.8208 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Mfg_CZ2 | 2 | 0.8208 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Mfg_CZ3 | 3 | 0.8208 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Multi_CZ1 | 1 | 0.6785 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Multi_CZ2 | 2 | 0.6785 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Multi_CZ3 | 3 | 0.6785 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Single_CZ1 | 1 | 0.8158 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Single_CZ2 | 2 | 0.8158 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Early Retirement | Single_CZ3 | 3 | 0.8158 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Mfg_CZ1 | 1 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Mfg_CZ2 | 2 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Mfg_CZ3 | 3 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Multi_CZ1 | 1 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Multi_CZ2 | 2 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Multi_CZ3 | 3 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Single_CZ1 | 1 | 1.1769 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Single_CZ2 | 2 | 1.1769 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | New | Single_CZ3 | 3 | 1.1769 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Mfg_CZ1 | 1 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Mfg_CZ2 | 2 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Mfg_CZ3 | 3 | 1.1811 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Multi_CZ1 | 1 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Multi_CZ2 | 2 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Multi_CZ3 | 3 | 1.0145 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Single_CZ1 | 1 | 1.1769 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Single_CZ2 | 2 | 1.1769 |
| 40 Gallon High Efficiency Natural Gas Water Heater (0.67 EF) | Turnover | Single_CZ3 | 3 | 1.1769 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Mfg_CZ1 | 1 | 0.7894 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Mfg_CZ2 | 2 | 0.7719 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Mfg_CZ3 | 3 | 0.7918 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Multi_CZ1 | 1 | 0.7220 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Multi_CZ2 | 2 | 0.7059 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Multi_CZ3 | 3 | 0.7245 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Single_CZ1 | 1 | 0.9702 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Single_CZ2 | 2 | 0.9504 |
| Condensing boiler with 96% estimated seasonal efficiency | Early Retirement | Single_CZ3 | 3 | 0.9730 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Mfg_CZ1 | 1 | 1.0154 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Mfg_CZ2 | 2 | 0.9958 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Mfg_CZ3 | 3 | 1.0190 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Multi_CZ1 | 1 | 0.9369 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Multi_CZ2 | 2 | 0.9174 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Multi_CZ3 | 3 | 0.9400 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Single_CZ1 | 1 | 1.2205 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Single_CZ2 | 2 | 1.1992 |
| Condensing boiler with 96% estimated seasonal efficiency | New | Single_CZ3 | 3 | 1.2240 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Mfg_CZ1 | 1 | 1.0154 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Mfg_CZ2 | 2 | 0.9958 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Mfg_CZ3 | 3 | 1.0190 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Multi_CZ1 | 1 | 0.9369 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Multi_CZ2 | 2 | 0.9174 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Multi_CZ3 | 3 | 0.9400 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Single_CZ1 | 1 | 1.2205 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Single_CZ2 | 2 | 1.1992 |
| Condensing boiler with 96% estimated seasonal efficiency | Turnover | Single_CZ3 | 3 | 1.2240 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Mfg_CZ1 | 1 | 0.8121 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Mfg_CZ2 | 2 | 0.8121 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Mfg_CZ3 | 3 | 0.8121 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Multi_CZ1 | 1 | 0.6648 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Multi_CZ2 | 2 | 0.6648 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Multi_CZ3 | 3 | 0.6648 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Single_CZ1 | 1 | 0.8072 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Single_CZ2 | 2 | 0.8072 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Early Retirement | Single_CZ3 | 3 | 0.8072 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Mfg_CZ1 | 1 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Mfg_CZ2 | 2 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Mfg_CZ3 | 3 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Multi_CZ1 | 1 | 0.6478 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Multi_CZ2 | 2 | 0.6478 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Multi_CZ3 | 3 | 0.6478 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Single_CZ1 | 1 | 0.7887 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Single_CZ2 | 2 | 0.7887 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | New | Single_CZ3 | 3 | 0.7887 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Mfg_CZ1 | 1 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Mfg_CZ2 | 2 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Mfg_CZ3 | 3 | 0.7929 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Multi_CZ1 | 1 | 0.6478 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Multi_CZ2 | 2 | 0.6478 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Multi_CZ3 | 3 | 0.6478 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Single_CZ1 | 1 | 0.7887 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Single_CZ2 | 2 | 0.7887 |
| Condensing High Efficiency Natural Gas Tankless Water Heater (0.91 EF) | Turnover | Single_CZ3 | 3 | 0.7887 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Mfg_CZ1 | 1 | 0.7068 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Mfg_CZ2 | 2 | 0.7068 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Mfg_CZ3 | 3 | 0.7068 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Multi_CZ1 | 1 | 0.5799 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Multi_CZ2 | 2 | 0.5799 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Multi_CZ3 | 3 | 0.5799 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Single_CZ1 | 1 | 0.7024 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Single_CZ2 | 2 | 0.7024 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Early Retirement | Single_CZ3 | 3 | 0.7024 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Mfg_CZ1 | 1 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Mfg_CZ2 | 2 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Mfg_CZ3 | 3 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Multi_CZ1 | 1 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Multi_CZ2 | 2 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Multi_CZ3 | 3 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Single_CZ1 | 1 | 0.7972 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Single_CZ2 | 2 | 0.7972 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | New | Single_CZ3 | 3 | 0.7972 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Mfg_CZ1 | 1 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Mfg_CZ2 | 2 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Mfg_CZ3 | 3 | 0.8017 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Multi_CZ1 | 1 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Multi_CZ2 | 2 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Multi_CZ3 | 3 | 0.6645 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Single_CZ1 | 1 | 0.7972 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Single_CZ2 | 2 | 0.7972 |
| Condensing Natural Gas Water Heater (0.90 EF), 40 gallon | Turnover | Single_CZ3 | 3 | 0.7972 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Mfg_CZ1 | 1 | 0.9800 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Mfg_CZ2 | 2 | 0.9600 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Mfg_CZ3 | 3 | 0.9828 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Multi_CZ1 | 1 | 0.9038 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Multi_CZ2 | 2 | 0.8854 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Multi_CZ3 | 3 | 0.9068 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Single_CZ1 | 1 | 1.1770 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Single_CZ2 | 2 | 1.1562 |
| High Efficiency Boiler, 90% AFUE or greater. | Early Retirement | Single_CZ3 | 3 | 1.1805 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Mfg_CZ1 | 1 | 1.4110 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Mfg_CZ2 | 2 | 1.3896 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Mfg_CZ3 | 3 | 1.4146 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Multi_CZ1 | 1 | 1.3243 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Multi_CZ2 | 2 | 1.3031 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Multi_CZ3 | 3 | 1.3269 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Single_CZ1 | 1 | 1.6250 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Single_CZ2 | 2 | 1.6027 |
| High Efficiency Boiler, 90% AFUE or greater. | New | Single_CZ3 | 3 | 1.6285 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Mfg_CZ1 | 1 | 1.4110 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Mfg_CZ2 | 2 | 1.3896 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Mfg_CZ3 | 3 | 1.4146 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Multi_CZ1 | 1 | 1.3243 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Multi_CZ2 | 2 | 1.3031 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Multi_CZ3 | 3 | 1.3269 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ1 | 1 | 1.6250 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ1 | 1 | 2.6094 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ2 | 2 | 1.6027 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ2 | 2 | 2.6577 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ3 | 3 | 2.6471 |
| High Efficiency Boiler, 90% AFUE or greater. | Turnover | Single_CZ3 | 3 | 1.6285 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Mfg_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Mfg_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Mfg_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Multi_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Multi_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Multi_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Single_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Single_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Early Retirement | Single_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Mfg_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Mfg_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Mfg_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Multi_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Multi_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Multi_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Single_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Single_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | New | Single_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Mfg_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Mfg_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Mfg_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Multi_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Multi_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Multi_CZ3 | 3 | 1.5883 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Single_CZ1 | 1 | 1.5844 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Single_CZ2 | 2 | 1.5626 |
| High efficiency natural gas fireplace hearth; AFUE 80% | Turnover | Single_CZ3 | 3 | 1.5883 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Mfg_CZ1 | 1 | 0.9929 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Mfg_CZ2 | 2 | 0.9887 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Mfg_CZ3 | 3 | 0.9934 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Multi_CZ1 | 1 | 1.0100 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Multi_CZ2 | 2 | 1.0059 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Multi_CZ3 | 3 | 1.0111 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Single_CZ1 | 1 | 1.0600 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Single_CZ2 | 2 | 1.0546 |
| High-efficiency (condensing) furnace = AFUE 95 | Early Retirement | Single_CZ3 | 3 | 1.0609 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Mfg_CZ1 | 1 | 1.2767 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Mfg_CZ2 | 2 | 1.2726 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Mfg_CZ3 | 3 | 1.2773 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| High-efficiency (condensing) furnace = AFUE 95 | New | Multi_CZ1 | 1 | 1.2932 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Multi_CZ2 | 2 | 1.2886 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Multi_CZ3 | 3 | 1.2939 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Single_CZ1 | 1 | 1.3401 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Single_CZ2 | 2 | 1.3352 |
| High-efficiency (condensing) furnace = AFUE 95 | New | Single_CZ3 | 3 | 1.3413 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Mfg_CZ1 | 1 | 1.2767 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Mfg_CZ2 | 2 | 1.2726 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Mfg_CZ3 | 3 | 1.2773 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Multi_CZ1 | 1 | 1.2932 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Multi_CZ2 | 2 | 1.2886 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Multi_CZ3 | 3 | 1.2939 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Single_CZ1 | 1 | 1.3401 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Single_CZ2 | 2 | 1.3352 |
| High-efficiency (condensing) furnace = AFUE 95 | Turnover | Single_CZ3 | 3 | 1.3413 |
| New High Efficiency Condensing Boiler for Water and Space Heating applied to MF buildings | Early Retirement | Multi_CZ3 | 3 | 1.9605 |
| New High Efficiency Condensing Boiler for Water and Space Heating applied to MF buildings | New | Multi_CZ1 | 1 | 1.9605 |
| New High Efficiency Condensing Boiler for Water and Space Heating applied to MF buildings | Turnover | Multi_CZ2 | 2 | 1.9605 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Mfg_CZ1 | 1 | 0.8326 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Mfg_CZ2 | 2 | 0.8229 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Mfg_CZ3 | 3 | 0.8341 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Multi_CZ1 | 1 | 0.6756 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Multi_CZ2 | 2 | 0.6662 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Multi_CZ3 | 3 | 0.6771 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Single_CZ1 | 1 | 0.4675 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Single_CZ2 | 2 | 0.4613 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Early Retirement | Single_CZ3 | 3 | 0.4684 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Mfg_CZ1 | 1 | 2.4795 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Mfg_CZ2 | 2 | 2.4717 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Mfg_CZ3 | 3 | 2.4806 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Multi_CZ1 | 1 | 2.4180 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Multi_CZ2 | 2 | 2.4086 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Multi_CZ3 | 3 | 2.4194 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Single_CZ1 | 1 | 2.2099 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Single_CZ2 | 2 | 2.2002 |
| Tankless water heater with mean capacity of 108 MBTU/hr | New | Single_CZ3 | 3 | 2.2114 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Mfg_CZ1 | 1 | 0.8400 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Mfg_CZ2 | 2 | 0.8305 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Mfg_CZ3 | 3 | 0.8414 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Multi_CZ1 | 1 | 0.6685 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Multi_CZ2 | 2 | 0.6594 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Multi_CZ3 | 3 | 0.6699 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Single_CZ1 | 1 | 0.4421 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Single_CZ2 | 2 | 0.4363 |
| Tankless water heater with mean capacity of 108 MBTU/hr | Turnover | Single_CZ3 | 3 | 0.4430 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ1 | 1 | 1.5437 |
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ1 | 1 | 1.2698 |
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ2 | 2 | 1.4993 |
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ2 | 2 | 1.2329 |
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ3 | 3 | 1.6560 |
| Attic / Ceiling Insulation > R-38 | Existing | Mfg_CZ3 | 3 | 1.3745 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ1 | 1 | 1.5437 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ1 | 1 | 1.2698 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ2 | 2 | 1.4993 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ2 | 2 | 1.2329 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ3 | 3 | 1.6560 |
| Attic / Ceiling Insulation > R-38 | Existing | Multi_CZ3 | 3 | 1.3745 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ1 | 1 | 1.5449 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ1 | 1 | 1.2709 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ2 | 2 | 1.5032 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ2 | 2 | 1.2329 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ3 | 3 | 1.6548 |
| Attic / Ceiling Insulation > R-38 | Existing | Single_CZ3 | 3 | 1.3726 |
| Attic / Ceiling Insulation > R-38 | New | Mfg_CZ1 | 1 | 1.4993 |
| Attic / Ceiling Insulation > R-38 | New | Mfg_CZ2 | 2 | 1.4532 |
| Attic / Ceiling Insulation > R-38 | New | Mfg_CZ3 | 3 | 1.6042 |
| Attic / Ceiling Insulation > R-38 | New | Multi_CZ1 | 1 | 1.4993 |
| Attic / Ceiling Insulation > R-38 | New | Multi_CZ2 | 2 | 1.4532 |
| Attic / Ceiling Insulation > R-38 | New | Multi_CZ3 | 3 | 1.6042 |
| Attic / Ceiling Insulation > R-38 | New | Single_CZ1 | 1 | 1.4954 |
| Attic / Ceiling Insulation > R-38 | New | Single_CZ2 | 2 | 1.4559 |
| Attic / Ceiling Insulation > R-38 | New | Single_CZ3 | 3 | 1.6065 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ1 | 1 | 2.6501 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ1 | 1 | 1.7673 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ2 | 2 | 2.6134 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ2 | 2 | 1.7238 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ3 | 3 | 2.7445 |
| Attic / Ceiling Insulation > R-49 | Existing | Mfg_CZ3 | 3 | 1.8804 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ1 | 1 | 2.6501 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ1 | 1 | 1.7673 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ2 | 2 | 2.6134 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ2 | 2 | 1.7238 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ3 | 3 | 2.7445 |
| Attic / Ceiling Insulation > R-49 | Existing | Multi_CZ3 | 3 | 1.8804 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ1 | 1 | 2.6498 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ1 | 1 | 1.7673 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ2 | 2 | 2.6135 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ2 | 2 | 1.7249 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ3 | 3 | 2.7446 |
| Attic / Ceiling Insulation > R-49 | Existing | Single_CZ3 | 3 | 1.8804 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ1 | 1 | 2.6082 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ1 | 1 | 1.7183 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ1 | 1 | 1.2275 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ2 | 2 | 2.5703 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ2 | 2 | 1.6756 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ2 | 2 | 1.3307 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ3 | 3 | 2.7041 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ3 | 3 | 1.8317 |
| Attic / Ceiling Insulation > R-49 | New | Mfg_CZ3 | 3 | 1.3307 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ1 | 1 | 2.6082 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ1 | 1 | 1.7183 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ1 | 1 | 1.2275 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ2 | 2 | 2.5703 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ2 | 2 | 1.6756 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ2 | 2 | 1.3307 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ3 | 3 | 2.7041 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ3 | 3 | 1.8317 |
| Attic / Ceiling Insulation > R-49 | New | Multi_CZ3 | 3 | 1.3307 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ1 | 1 | 2.6077 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ1 | 1 | 1.7182 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ1 | 1 | 1.2265 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ2 | 2 | 2.5706 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ2 | 2 | 1.6756 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ2 | 2 | 1.3288 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ3 | 3 | 2.7042 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ3 | 3 | 1.8307 |
| Attic / Ceiling Insulation > R-49 | New | Single_CZ3 | 3 | 1.3288 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Mfg_CZ1 | 1 | 1.4492 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Mfg_CZ2 | 2 | 1.4277 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Mfg_CZ3 | 3 | 1.4527 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Multi_CZ1 | 1 | 1.3621 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Multi_CZ2 | 2 | 1.3408 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Multi_CZ3 | 3 | 1.3660 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Single_CZ1 | 1 | 1.6627 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Single_CZ2 | 2 | 1.6415 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | Existing | Single_CZ3 | 3 | 1.6662 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Mfg_CZ1 | 1 | 1.4118 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Mfg_CZ2 | 2 | 1.3892 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Mfg_CZ3 | 3 | 1.4155 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Multi_CZ1 | 1 | 1.3244 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Multi_CZ2 | 2 | 1.3021 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Multi_CZ3 | 3 | 1.3272 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Single_CZ1 | 1 | 1.6251 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Single_CZ2 | 2 | 1.6036 |
| Boiler reset controls capable of resetting boiler supply water temp in an inverse linear fasion w/outdoor air temp | New | Single_CZ3 | 3 | 1.6288 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Mfg_CZ1 | 1 | 0.9585 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Mfg_CZ2 | 2 | 0.9363 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Mfg_CZ3 | 3 | 1.0188 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Multi_CZ1 | 1 | 0.9585 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Multi_CZ2 | 2 | 0.9363 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Multi_CZ3 | 3 | 1.0188 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Single_CZ1 | 1 | 0.9585 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Single_CZ2 | 2 | 0.9363 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | Existing | Single_CZ3 | 3 | 1.0188 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Mfg_CZ1 | 1 | 0.0818 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Mfg_CZ2 | 2 | 0.0795 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Mfg_CZ3 | 3 | 0.0929 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Multi_CZ1 | 1 | 0.0818 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Multi_CZ2 | 2 | 0.0795 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Multi_CZ3 | 3 | 0.0929 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Single_CZ1 | 1 | 0.0818 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Single_CZ2 | 2 | 0.0795 |
| Comprehensive shell air sealing / infiltration control: to achieve CFM of 1250 | New | Single_CZ3 | 3 | 0.0929 |
| Door U-Factor <0.21, Energy Star Door | Existing | Mfg_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Mfg_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Mfg_CZ3 | 3 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Multi_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Multi_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Multi_CZ3 | 3 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Single_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Single_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | Existing | Single_CZ3 | 3 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Mfg_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Mfg_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Mfg_CZ3 | 3 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Multi_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Multi_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Multi_CZ3 | 3 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Single_CZ1 | 1 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Single_CZ2 | 2 | 1.3109 |
| Door U-Factor <0.21, Energy Star Door | New | Single_CZ3 | 3 | 1.3109 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Mfg_CZ1 | 1 | 1.2044 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Mfg_CZ2 | 2 | 1.2044 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Mfg_CZ3 | 3 | 1.2044 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Multi_CZ1 | 1 | 0.7145 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Multi_CZ2 | 2 | 0.7145 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Multi_CZ3 | 3 | 0.7145 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Single_CZ1 | 1 | 1.2044 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Single_CZ2 | 2 | 1.2044 |
| Drain Water Heat Recovery Unit, 60% efficiency | Existing | Single_CZ3 | 3 | 1.2044 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Mfg_CZ1 | 1 | 0.9739 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Mfg_CZ2 | 2 | 0.9739 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Mfg_CZ3 | 3 | 0.9739 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Multi_CZ1 | 1 | 0.5531 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Multi_CZ2 | 2 | 0.5531 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Multi_CZ3 | 3 | 0.5531 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Single_CZ1 | 1 | 0.9739 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Single_CZ2 | 2 | 0.9739 |
| Drain Water Heat Recovery Unit, 60% efficiency | New | Single_CZ3 | 3 | 0.9739 |
| Exterior Wall Insulation > R11 | Existing | Mfg_CZ1 | 1 | 2.6064 |
| Exterior Wall Insulation > R11 | Existing | Mfg_CZ2 | 2 | 2.5697 |
| Exterior Wall Insulation > R11 | Existing | Mfg_CZ3 | 3 | 2.7035 |
| Exterior Wall Insulation > R11 | Existing | Multi_CZ1 | 1 | 2.6064 |
| Exterior Wall Insulation > R11 | Existing | Multi_CZ2 | 2 | 2.5697 |
| Exterior Wall Insulation > R11 | Existing | Multi_CZ3 | 3 | 2.7035 |
| Exterior Wall Insulation > R11 | Existing | Single_CZ1 | 1 | 2.6066 |
| Exterior Wall Insulation > R11 | Existing | Single_CZ2 | 2 | 2.5697 |
| Exterior Wall Insulation > R11 | Existing | Single_CZ3 | 3 | 2.7033 |
| Exterior Wall Insulation > R11 | New | Mfg_CZ1 | 1 | 2.5643 |
| Exterior Wall Insulation > R11 | New | Mfg_CZ2 | 2 | 2.5257 |
| Exterior Wall Insulation > R11 | New | Mfg_CZ3 | 3 | 2.6626 |
| Exterior Wall Insulation > R11 | New | Multi_CZ1 | 1 | 2.5643 |
| Exterior Wall Insulation > R11 | New | Multi_CZ2 | 2 | 2.5257 |
| Exterior Wall Insulation > R11 | New | Multi_CZ3 | 3 | 2.6626 |
| Exterior Wall Insulation > R11 | New | Single_CZ1 | 1 | 2.5641 |
| Exterior Wall Insulation > R11 | New | Single_CZ2 | 2 | 2.5261 |
| Exterior Wall Insulation > R11 | New | Single_CZ3 | 3 | 2.6623 |
| HERS 75 | New | Single_CZ1 | 1 | 0.7706 |
| HERS 75 | New | Single_CZ2 | 2 | 0.7619 |
| HERS 75 | New | Single_CZ3 | 3 | 0.7721 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Mfg_CZ1 | 1 | 1.3176 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Mfg_CZ2 | 2 | 1.3176 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Mfg_CZ3 | 3 | 1.3176 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Multi_CZ1 | 1 | 1.2449 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Multi_CZ2 | 2 | 1.2449 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Multi_CZ3 | 3 | 1.2449 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Single_CZ1 | 1 | 1.3137 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Single_CZ2 | 2 | 1.3137 |
| Insulated hot water pipe for conventional gas storage tank-type hot water heater (R>5.3) | Existing | Single_CZ3 | 3 | 1.3137 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Mfg_CZ1 | 1 | 1.4845 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Mfg_CZ2 | 2 | 1.4845 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Mfg_CZ3 | 3 | 1.4845 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Multi_CZ1 | 1 | 1.4709 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Multi_CZ2 | 2 | 1.4709 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Multi_CZ3 | 3 | 1.4709 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Single_CZ1 | 1 | 1.4507 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Single_CZ2 | 2 | 1.4507 |
| Low Flow Showerhead (1.5 GPM max) | Existing | Single_CZ3 | 3 | 1.4507 |
| Low Flow Showerhead (1.5 GPM max) | New | Mfg_CZ1 | 1 | 1.3357 |
| Low Flow Showerhead (1.5 GPM max) | New | Mfg_CZ2 | 2 | 1.3357 |
| Low Flow Showerhead (1.5 GPM max) | New | Mfg_CZ3 | 3 | 1.3357 |
| Low Flow Showerhead (1.5 GPM max) | New | Multi_CZ1 | 1 | 1.3094 |
| Low Flow Showerhead (1.5 GPM max) | New | Multi_CZ2 | 2 | 1.3094 |
| Low Flow Showerhead (1.5 GPM max) | New | Multi_CZ3 | 3 | 1.3094 |
| Low Flow Showerhead (1.5 GPM max) | New | Single_CZ1 | 1 | 1.2717 |
| Low Flow Showerhead (1.5 GPM max) | New | Single_CZ2 | 2 | 1.2717 |
| Low Flow Showerhead (1.5 GPM max) | New | Single_CZ3 | 3 | 1.2717 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Mfg_CZ1 | 1 | 1.4447 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Mfg_CZ2 | 2 | 1.4447 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Mfg_CZ3 | 3 | 1.4447 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Multi_CZ1 | 1 | 1.4270 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Multi_CZ2 | 2 | 1.4270 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Multi_CZ3 | 3 | 1.4270 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Single_CZ1 | 1 | 1.4018 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Single_CZ2 | 2 | 1.4018 |
| Low Flow Showerhead (2.0 GPM max) | Existing | Single_CZ3 | 3 | 1.4018 |
| Low Flow Showerhead (2.0 GPM max) | New | Mfg_CZ1 | 1 | 0.8330 |
| Low Flow Showerhead (2.0 GPM max) | New | Mfg_CZ2 | 2 | 0.8330 |
| Low Flow Showerhead (2.0 GPM max) | New | Mfg_CZ3 | 3 | 0.8330 |
| Low Flow Showerhead (2.0 GPM max) | New | Multi_CZ1 | 1 | 0.7893 |
| Low Flow Showerhead (2.0 GPM max) | New | Multi_CZ2 | 2 | 0.7893 |
| Low Flow Showerhead (2.0 GPM max) | New | Multi_CZ3 | 3 | 0.7893 |
| Low Flow Showerhead (2.0 GPM max) | New | Single_CZ1 | 1 | 0.7327 |
| Low Flow Showerhead (2.0 GPM max) | New | Single_CZ2 | 2 | 0.7327 |
| Low Flow Showerhead (2.0 GPM max) | New | Single_CZ3 | 3 | 0.7327 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Mfg_CZ1 | 1 | 1.3208 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Mfg_CZ2 | 2 | 1.3208 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Mfg_CZ3 | 3 | 1.3208 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Multi_CZ1 | 1 | 1.2493 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Multi_CZ2 | 2 | 1.2493 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Multi_CZ3 | 3 | 1.2493 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Single_CZ1 | 1 | 1.1627 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Single_CZ2 | 2 | 1.1627 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | Existing | Single_CZ3 | 3 | 1.1627 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Mfg_CZ1 | 1 | 1.0194 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Mfg_CZ2 | 2 | 1.0194 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Mfg_CZ3 | 3 | 1.0194 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Multi_CZ1 | 1 | 0.9283 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Multi_CZ2 | 2 | 0.9283 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Multi_CZ3 | 3 | 0.9283 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Single_CZ1 | 1 | 0.7988 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Single_CZ2 | 2 | 0.7988 |
| One kitchen aerator at 1.5 gpm, and two additional aerators at 1.0 gpm = 1.17 gpm weighted average. | New | Single_CZ3 | 3 | 0.7988 |
| Programmable Thermostat | Existing | Mfg_CZ1 | 1 | 1.1257 |
| Programmable Thermostat | Existing | Mfg_CZ2 | 2 | 1.1055 |
| Programmable Thermostat | Existing | Mfg_CZ3 | 3 | 1.1728 |
| Programmable Thermostat | Existing | Multi_CZ1 | 1 | 1.1257 |
| Programmable Thermostat | Existing | Multi_CZ2 | 2 | 1.1055 |
| Programmable Thermostat | Existing | Multi_CZ3 | 3 | 1.1728 |
| Programmable Thermostat | Existing | Single_CZ1 | 1 | 1.5350 |
| Programmable Thermostat | Existing | Single_CZ2 | 2 | 1.5261 |
| Programmable Thermostat | Existing | Single_CZ3 | 3 | 1.5570 |
| Programmable Thermostat | New | Mfg_CZ1 | 1 | 1.3285 |
| Programmable Thermostat | New | Mfg_CZ2 | 2 | 1.3155 |
| Programmable Thermostat | New | Mfg_CZ3 | 3 | 1.3666 |
| Programmable Thermostat | New | Multi_CZ1 | 1 | 1.3285 |
| Programmable Thermostat | New | Multi_CZ2 | 2 | 1.3155 |
| Programmable Thermostat | New | Multi_CZ3 | 3 | 1.3666 |
| Programmable Thermostat | New | Single_CZ1 | 1 | 1.6217 |
| Programmable Thermostat | New | Single_CZ2 | 2 | 1.6162 |
| Programmable Thermostat | New | Single_CZ3 | 3 | 1.6359 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Mfg_CZ1 | 1 | 3.4134 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Mfg_CZ2 | 2 | 3.3967 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Mfg_CZ3 | 3 | 3.4547 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Multi_CZ1 | 1 | 3.4134 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Multi_CZ2 | 2 | 3.3967 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Multi_CZ3 | 3 | 3.4547 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Single_CZ1 | 1 | 3.4134 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Single_CZ2 | 2 | 3.3967 |
| R-13 Basement Insulation added to a basement or crawl space | Existing | Single_CZ3 | 3 | 3.4547 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| R-13 Basement Insulation added to a basement or crawl space | New | Mfg_CZ1 | 1 | 3.3943 |
| R-13 Basement Insulation added to a basement or crawl space | New | Mfg_CZ2 | 2 | 3.3775 |
| R-13 Basement Insulation added to a basement or crawl space | New | Mfg_CZ3 | 3 | 3.4373 |
| R-13 Basement Insulation added to a basement or crawl space | New | Multi_CZ1 | 1 | 3.3943 |
| R-13 Basement Insulation added to a basement or crawl space | New | Multi_CZ2 | 2 | 3.3775 |
| R-13 Basement Insulation added to a basement or crawl space | New | Multi_CZ3 | 3 | 3.4373 |
| R-13 Basement Insulation added to a basement or crawl space | New | Single_CZ1 | 1 | 3.3943 |
| R-13 Basement Insulation added to a basement or crawl space | New | Single_CZ2 | 2 | 3.3775 |
| R-13 Basement Insulation added to a basement or crawl space | New | Single_CZ3 | 3 | 3.4373 |
| R-30 insulation added to basement or crawl space floor | Existing | Mfg_CZ1 | 1 | 1.1602 |
| R-30 insulation added to basement or crawl space floor | Existing | Mfg_CZ2 | 2 | 1.1256 |
| R-30 insulation added to basement or crawl space floor | Existing | Mfg_CZ3 | 3 | 1.2550 |
| R-30 insulation added to basement or crawl space floor | Existing | Multi_CZ1 | 1 | 1.1603 |
| R-30 insulation added to basement or crawl space floor | Existing | Multi_CZ2 | 2 | 1.1252 |
| R-30 insulation added to basement or crawl space floor | Existing | Multi_CZ3 | 3 | 1.2548 |
| R-30 insulation added to basement or crawl space floor | Existing | Single_CZ1 | 1 | 1.1598 |
| R-30 insulation added to basement or crawl space floor | Existing | Single_CZ2 | 2 | 1.1253 |
| R-30 insulation added to basement or crawl space floor | Existing | Single_CZ3 | 3 | 1.2548 |
| R-30 insulation added to basement or crawl space floor | New | Mfg_CZ1 | 1 | 1.2002 |
| R-30 insulation added to basement or crawl space floor | New | Mfg_CZ2 | 2 | 1.1653 |
| R-30 insulation added to basement or crawl space floor | New | Mfg_CZ3 | 3 | 1.2971 |
| R-30 insulation added to basement or crawl space floor | New | Multi_CZ1 | 1 | 1.2002 |
| R-30 insulation added to basement or crawl space floor | New | Multi_CZ2 | 2 | 1.1655 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| R-30 insulation added to basement or crawl space floor | New | Multi_CZ3 | 3 | 1.2970 |
| R-30 insulation added to basement or crawl space floor | New | Single_CZ1 | 1 | 1.2005 |
| R-30 insulation added to basement or crawl space floor | New | Single_CZ2 | 2 | 1.1652 |
| R-30 insulation added to basement or crawl space floor | New | Single_CZ3 | 3 | 1.2971 |
| R-5 Slab Insulation (4ft) | Existing | Mfg_CZ1 | 1 | 1.5041 |
| R-5 Slab Insulation (4ft) | Existing | Mfg_CZ2 | 2 | 1.4642 |
| R-5 Slab Insulation (4ft) | Existing | Mfg_CZ3 | 3 | 1.6205 |
| R-5 Slab Insulation (4ft) | Existing | Multi_CZ1 | 1 | 1.5969 |
| R-5 Slab Insulation (4ft) | Existing | Multi_CZ2 | 2 | 1.5560 |
| R-5 Slab Insulation (4ft) | Existing | Multi_CZ3 | 3 | 1.7157 |
| R-5 Slab Insulation (4ft) | Existing | Single_CZ1 | 1 | 1.2912 |
| R-5 Slab Insulation (4ft) | Existing | Single_CZ2 | 2 | 1.2520 |
| R-5 Slab Insulation (4ft) | Existing | Single_CZ3 | 3 | 1.3987 |
| R-5 Slab Insulation (4ft) | New | Mfg_CZ1 | 1 | 1.8482 |
| R-5 Slab Insulation (4ft) | New | Mfg_CZ2 | 2 | 1.8056 |
| R-5 Slab Insulation (4ft) | New | Mfg_CZ3 | 3 | 1.9708 |
| R-5 Slab Insulation (4ft) | New | Multi_CZ1 | 1 | 1.7319 |
| R-5 Slab Insulation (4ft) | New | Multi_CZ2 | 2 | 1.6899 |
| R-5 Slab Insulation (4ft) | New | Multi_CZ3 | 3 | 1.8532 |
| R-5 Slab Insulation (4ft) | New | Single_CZ1 | 1 | 1.4800 |
| R-5 Slab Insulation (4ft) | New | Single_CZ2 | 2 | 1.4380 |
| R-5 Slab Insulation (4ft) | New | Single_CZ3 | 3 | 1.5942 |
| Residential Energy Star Home [HERS Score: 75: base Home (as described in assumptions below) with the following alternates: R-44 Ceiling Insulation, 92AFUE furnace, 0.62 EF water heater, 0.46 ACH] plus the following additional savings: efficient dishwasher, clothes washer, duct insulation, and water faucets. | New | Single_CZ1 | 1 | 0.7753 |
| Residential Energy Star Home [HERS Score: 75: base Home (as described in assumptions below) with the following alternates: R-44 Ceiling Insulation, 92AFUE furnace, 0.62 EF water heater, 0.46 ACH] plus the following additional savings: efficient dishwasher, clothes washer, duct insulation, and water faucets. | New | Single_CZ2 | 2 | 0.7666 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Residential Energy Star Home [HERS Score: 75: base Home (as described in assumptions below) with the following alternates: R-44 Ceiling Insulation, 92AFUE furnace, 0.62 EF water heater, 0.46 ACH] plus the following additional savings: efficient dishwasher, clothes washer, duct insulation, and water faucets. | New | Single_CZ3 | 3 | 0.7766 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Mfg_CZ1 | 1 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Mfg_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Mfg_CZ3 | 3 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Multi_CZ1 | 1 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Multi_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Multi_CZ3 | 3 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Single_CZ1 | 1 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Single_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | Existing | Single_CZ3 | 3 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Mfg_CZ1 | 1 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Mfg_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Mfg_CZ3 | 3 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Multi_CZ1 | 1 | 1.8163 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Multi_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Multi_CZ3 | 3 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Single_CZ1 | 1 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Single_CZ2 | 2 | 1.8163 |
| Ventilation system meeting ASHRAE 62.2-2007 requirements using an Energy Star qualified air-to-air heat recovery ventilator | New | Single_CZ3 | 3 | 1.8163 |
| Wall Insulation, R-13 | Existing | Mfg_CZ1 | 1 | 2.6757 |
| Wall Insulation, R-13 | Existing | Mfg_CZ2 | 2 | 2.6397 |
| Wall Insulation, R-13 | Existing | Mfg_CZ3 | 3 | 2.7684 |
| Wall Insulation, R-13 | Existing | Multi_CZ1 | 1 | 2.6757 |
| Wall Insulation, R-13 | Existing | Multi_CZ2 | 2 | 2.1889 |
| Wall Insulation, R-13 | Existing | Multi_CZ3 | 3 | 2.7684 |
| Wall Insulation, R-13 | Existing | Single_CZ1 | 1 | 2.6753 |
| Wall Insulation, R-13 | Existing | Single_CZ2 | 2 | 3.0115 |
| Wall Insulation, R-13 | Existing | Single_CZ3 | 3 | 2.7687 |
| Wall Insulation, R-13 | New | Mfg_CZ1 | 1 | 2.6341 |
| Wall Insulation, R-13 | New | Mfg_CZ2 | 2 | 2.5969 |
| Wall Insulation, R-13 | New | Mfg_CZ3 | 3 | 2.7293 |
| Wall Insulation, R-13 | New | Multi_CZ1 | 1 | 2.6341 |
| Wall Insulation, R-13 | New | Multi_CZ2 | 2 | 2.1402 |
| Wall Insulation, R-13 | New | Multi_CZ3 | 3 | 2.7293 |
| Wall Insulation, R-13 | New | Single_CZ1 | 1 | 2.6339 |
| Wall Insulation, R-13 | New | Single_CZ2 | 2 | 2.9782 |
| Wall Insulation, R-13 | New | Single_CZ3 | 3 | 2.7293 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Education | All | 1.3363 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Grocery | All | 0.1795 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Healthcare | All | 0.8592 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Lodging | All | 2.4627 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Misc. | All | 0.0189 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Office | All | 0.0700 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Restaurant | All | 0.6449 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Retail | All | 0.0427 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Early Retirement | Warehouse | All | 0.0331 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Education | All | 1.3363 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Grocery | All | 0.1795 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Healthcare | All | 0.8592 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Lodging | All | 2.4627 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Misc. | All | 0.0189 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Office | All | 0.0700 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Restaurant | All | 0.6449 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Retail | All | 0.0427 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | New | Warehouse | All | 0.0331 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Education | All | 1.3363 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Grocery | All | 0.1795 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Healthcare | All | 0.8592 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Lodging | All | 2.4627 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Misc. | All | 0.0189 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Office | All | 0.0700 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Restaurant | All | 0.6449 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Retail | All | 0.0427 |
| 1 32SF Solar Collector, Glazed. Thermodynamics G32 (<2012) | Turnover | Warehouse | All | 0.0331 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Education | All | 0.0399 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Grocery | All | 0.2307 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Healthcare | All | 0.0339 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Lodging | All | 0.0385 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Misc. | All | 0.0087 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Office | All | 0.0035 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Restaurant | All | 0.1296 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Retail | All | 0.0127 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Early Retirement | Warehouse | All | 0.0000 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Education | All | 0.2157 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Grocery | All | 1.1203 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Healthcare | All | 0.1842 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Lodging | All | 0.2085 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Misc. | All | 0.0481 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Office | All | 0.0191 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Restaurant | All | 0.6655 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Retail | All | 0.0696 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | New | Warehouse | All | 0.0000 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Education | All | 0.2157 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Grocery | All | 1.1203 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Healthcare | All | 0.1842 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Lodging | All | 0.2085 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Misc. | All | 0.0481 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Office | All | 0.0191 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Restaurant | All | 0.6655 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Retail | All | 0.0696 |
| Combination convection with steam oven cooking efficiency ≥ 38% and convection mode cooking efficiency ≥ 44% | Turnover | Warehouse | All | 0.0000 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Education | All | 0.4139 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Grocery | All | 1.9275 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Healthcare | All | 0.3548 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Lodging | All | 0.4004 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Misc. | All | 0.0944 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Office | All | 0.0377 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Restaurant | All | 1.2077 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Retail | All | 0.1361 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Early Retirement | Warehouse | All | 0.0000 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Education | All | 5.4951 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Grocery | All | 7.0122 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Healthcare | All | 5.2542 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Lodging | All | 5.4448 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Misc. | All | 2.8436 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Office | All | 1.4653 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Restaurant | All | 6.7103 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Retail | All | 3.5180 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | New | Warehouse | All | 0.0010 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Education | All | 5.4951 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Grocery | All | 7.0122 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Healthcare | All | 5.2542 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Lodging | All | 5.4448 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Misc. | All | 2.8436 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Office | All | 1.4653 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Restaurant | All | 6.7103 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Retail | All | 3.5180 |
| Energy Star Convection Oven with cooking efficiency ≥ 44% | Turnover | Warehouse | All | 0.0010 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Education | All | 0.5035 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Grocery | All | 1.1822 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Healthcare | All | 0.2633 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Lodging | All | 0.7514 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Misc. | All | 0.0864 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Office | All | 0.0288 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Restaurant | All | 1.8599 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Retail | All | 0.0742 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Early Retirement | Warehouse | All | 0.0000 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Education | All | 2.9913 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Grocery | All | 4.7318 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Healthcare | All | 1.8878 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Lodging | All | 3.7931 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Misc. | All | 0.7310 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Office | All | 0.2583 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Restaurant | All | 5.6149 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Retail | All | 0.6353 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | New | Warehouse | All | 0.0001 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Education | All | 2.9913 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Grocery | All | 4.7318 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Healthcare | All | 1.8878 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Lodging | All | 3.7931 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Misc. | All | 0.7310 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Office | All | 0.2583 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Restaurant | All | 5.6149 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Retail | All | 0.6353 |
| ENERGY STAR® qualified with 38% minimum cooking energy efficiency at heavy load (potato) cooking capacity for gas steam cookers. | Turnover | Warehouse | All | 0.0001 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Education | All | 0.8635 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Grocery | All | 0.2106 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Healthcare | All | 0.7647 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Lodging | All | 1.8487 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Misc. | All | 0.0472 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Office | All | 0.0800 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Restaurant | All | 2.0567 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Retail | All | 0.0598 |
| Heat Pump Water Heater, 1.55 COP | Early Retirement | Warehouse | All | 0.0316 |
| Heat Pump Water Heater, 1.55 COP | New | Education | All | 0.9285 |
| Heat Pump Water Heater, 1.55 COP | New | Grocery | All | 0.2281 |
| Heat Pump Water Heater, 1.55 COP | New | Healthcare | All | 0.8232 |
| Heat Pump Water Heater, 1.55 COP | New | Lodging | All | 1.9666 |
| Heat Pump Water Heater, 1.55 COP | New | Misc. | All | 0.0513 |
| Heat Pump Water Heater, 1.55 COP | New | Office | All | 0.0868 |
| Heat Pump Water Heater, 1.55 COP | New | Restaurant | All | 2.1830 |
| Heat Pump Water Heater, 1.55 COP | New | Retail | All | 0.0648 |
| Heat Pump Water Heater, 1.55 COP | New | Warehouse | All | 0.0343 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Education | All | 0.9285 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Grocery | All | 0.2281 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Healthcare | All | 0.8232 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Lodging | All | 1.9666 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Misc. | All | 0.0513 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Office | All | 0.0868 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Restaurant | All | 2.1830 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Retail | All | 0.0648 |
| Heat Pump Water Heater, 1.55 COP | Turnover | Warehouse | All | 0.0343 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Education | All | 5.6123 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Grocery | All | 4.6467 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Healthcare | All | 4.2724 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Lodging | All | 4.2630 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Misc. | All | 2.2212 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Office | All | 3.3720 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Restaurant | All | 2.2273 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Retail | All | 3.4082 |
| Low Intensity Gas Fired Radiant Heater | Early Retirement | Warehouse | All | 2.9874 |
| Low Intensity Gas Fired Radiant Heater | New | Education | All | 8.0360 |
| Low Intensity Gas Fired Radiant Heater | New | Grocery | All | 7.3361 |
| Low Intensity Gas Fired Radiant Heater | New | Healthcare | All | 7.0246 |
| Low Intensity Gas Fired Radiant Heater | New | Lodging | All | 7.0164 |
| Low Intensity Gas Fired Radiant Heater | New | Misc. | All | 4.7245 |
| Low Intensity Gas Fired Radiant Heater | New | Office | All | 6.1577 |
| Low Intensity Gas Fired Radiant Heater | New | Restaurant | All | 4.7334 |
| Low Intensity Gas Fired Radiant Heater | New | Retail | All | 6.1963 |
| Low Intensity Gas Fired Radiant Heater | New | Warehouse | All | 5.7261 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Education | All | 8.0360 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Grocery | All | 7.3361 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Healthcare | All | 7.0246 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Lodging | All | 7.0164 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Misc. | All | 4.7245 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Office | All | 6.1577 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Restaurant | All | 4.7334 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Retail | All | 6.1963 |
| Low Intensity Gas Fired Radiant Heater | Turnover | Warehouse | All | 5.7261 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Education | All | 0.0207 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Grocery | All | 0.1217 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Healthcare | All | 0.0176 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Lodging | All | 0.0200 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Misc. | All | 0.0045 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Office | All | 0.0018 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Restaurant | All | 0.0678 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Retail | All | 0.0066 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Early Retirement | Warehouse | All | 0.0000 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Education | All | 0.2772 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Grocery | All | 1.4402 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Healthcare | All | 0.2367 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Lodging | All | 0.2680 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Misc. | All | 0.0619 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Office | All | 0.0246 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Restaurant | All | 0.8555 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Retail | All | 0.0895 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | New | Warehouse | All | 0.0000 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Education | All | 0.2772 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Grocery | All | 1.4402 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Healthcare | All | 0.2367 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Lodging | All | 0.2680 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Misc. | All | 0.0619 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Office | All | 0.0246 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Restaurant | All | 0.8555 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Retail | All | 0.0895 |
| Natural gas conveyor oven with a tested baking energy efficiency > 42% | Turnover | Warehouse | All | 0.0000 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Education | All | 1.9924 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Grocery | All | 3.6269 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Healthcare | All | 1.1610 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Lodging | All | 2.6888 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Misc. | All | 0.4161 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Office | All | 0.1427 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Restaurant | All | 2.8587 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Retail | All | 0.3594 |
| Natural gas fired ENERGY STAR fryer | Early Retirement | Warehouse | All | 0.0001 |
| Natural gas fired ENERGY STAR fryer | New | Education | All | 2.8175 |
| Natural gas fired ENERGY STAR fryer | New | Grocery | All | 4.5609 |
| Natural gas fired ENERGY STAR fryer | New | Healthcare | All | 1.7528 |
| Natural gas fired ENERGY STAR fryer | New | Lodging | All | 3.6107 |
| Natural gas fired ENERGY STAR fryer | New | Misc. | All | 0.6687 |
| Natural gas fired ENERGY STAR fryer | New | Office | All | 0.2349 |
| Natural gas fired ENERGY STAR fryer | New | Restaurant | All | 3.7923 |
| Natural gas fired ENERGY STAR fryer | New | Retail | All | 0.5805 |
| Natural gas fired ENERGY STAR fryer | New | Warehouse | All | 0.0001 |
| Natural gas fired ENERGY STAR fryer | Turnover | Education | All | 2.8175 |
| Natural gas fired ENERGY STAR fryer | Turnover | Grocery | All | 4.5609 |
| Natural gas fired ENERGY STAR fryer | Turnover | Healthcare | All | 1.7528 |
| Natural gas fired ENERGY STAR fryer | Turnover | Lodging | All | 3.6107 |
| Natural gas fired ENERGY STAR fryer | Turnover | Misc. | All | 0.6687 |
| Natural gas fired ENERGY STAR fryer | Turnover | Office | All | 0.2349 |
| Natural gas fired ENERGY STAR fryer | Turnover | Restaurant | All | 3.7923 |
| Natural gas fired ENERGY STAR fryer | Turnover | Retail | All | 0.5805 |
| Natural gas fired ENERGY STAR fryer | Turnover | Warehouse | All | 0.0001 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Education | All | 0.2321 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Grocery | All | 0.5754 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Healthcare | All | 0.1191 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Lodging | All | 0.3532 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Misc. | All | 0.0386 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Office | All | 0.0128 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Restaurant | All | 0.3302 |
| Natural gas fired ENERGY STAR griddle | Early Retirement | Retail | All | 0.0331 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Natural gas fired ENERGY STAR griddle | Early Retirement | Warehouse | All | 0.0000 |
| Natural gas fired ENERGY STAR griddle | New | Education | All | 2.0435 |
| Natural gas fired ENERGY STAR griddle | New | Grocery | All | 3.6914 |
| Natural gas fired ENERGY STAR griddle | New | Healthcare | All | 1.1954 |
| Natural gas fired ENERGY STAR griddle | New | Lodging | All | 2.7486 |
| Natural gas fired ENERGY STAR griddle | New | Misc. | All | 0.4299 |
| Natural gas fired ENERGY STAR griddle | New | Office | All | 0.1477 |
| Natural gas fired ENERGY STAR griddle | New | Restaurant | All | 2.6277 |
| Natural gas fired ENERGY STAR griddle | New | Retail | All | 0.3715 |
| Natural gas fired ENERGY STAR griddle | New | Warehouse | All | 0.0001 |
| Natural gas fired ENERGY STAR griddle | Turnover | Education | All | 2.0435 |
| Natural gas fired ENERGY STAR griddle | Turnover | Grocery | All | 3.6914 |
| Natural gas fired ENERGY STAR griddle | Turnover | Healthcare | All | 1.1954 |
| Natural gas fired ENERGY STAR griddle | Turnover | Lodging | All | 2.7486 |
| Natural gas fired ENERGY STAR griddle | Turnover | Misc. | All | 0.4299 |
| Natural gas fired ENERGY STAR griddle | Turnover | Office | All | 0.1477 |
| Natural gas fired ENERGY STAR griddle | Turnover | Restaurant | All | 2.6277 |
| Natural gas fired ENERGY STAR griddle | Turnover | Retail | All | 0.3715 |
| Natural gas fired ENERGY STAR griddle | Turnover | Warehouse | All | 0.0001 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Education | All | 0.4761 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Grocery | All | 0.6391 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Healthcare | All | 0.1907 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Lodging | All | 0.2827 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Misc. | All | 0.2194 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Office | All | 0.1955 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Restaurant | All | 0.2202 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Retail | All | 0.3905 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Early Retirement | Warehouse | All | 0.3239 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Education | All | 0.6247 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Grocery | All | 0.8348 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Healthcare | All | 0.2523 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Lodging | All | 0.3730 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Misc. | All | 0.2900 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Office | All | 0.2585 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Restaurant | All | 0.2910 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Retail | All | 0.5137 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | New | Warehouse | All | 0.4269 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Education | All | 0.6247 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Grocery | All | 0.8348 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Healthcare | All | 0.2523 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Lodging | All | 0.3730 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Misc. | All | 0.2900 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Office | All | 0.2585 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Restaurant | All | 0.2910 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Retail | All | 0.5137 |
| Natural Gas Heat Pump, 1.2 mimimum seasonal performance factor | Turnover | Warehouse | All | 0.4269 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Education | All | 0.2961 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Education | All | 0.1058 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Grocery | All | 0.3997 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Grocery | All | 0.0175 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Healthcare | All | 0.1175 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Healthcare | All | 0.0683 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Lodging | All | 0.1747 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Lodging | All | 0.1935 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Misc. | All | 0.1353 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Misc. | All | 0.0038 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Office | All | 0.1204 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Office | All | 0.0065 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Restaurant | All | 0.1358 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Restaurant | All | 0.1402 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Retail | All | 0.1358 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Retail | All | 0.0049 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Warehouse | All | 0.2005 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Early Retirement | Warehouse | All | 0.0068 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Education | All | 0.3678 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Education | All | 0.1323 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Grocery | All | 0.4954 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Grocery | All | 0.0219 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Healthcare | All | 0.1465 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Healthcare | All | 0.0854 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Lodging | All | 0.2176 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Lodging | All | 0.2415 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Misc. | All | 0.1672 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Misc. | All | 0.0048 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Office | All | 0.1502 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Office | All | 0.0082 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Restaurant | All | 0.1678 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Restaurant | All | 0.1751 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Retail | All | 0.3012 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Retail | All | 0.0061 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Warehouse | All | 0.2473 |
| New High Efficiency Condensing Boiler for Water and Space Heating | New | Warehouse | All | 0.0085 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Education | All | 0.3678 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Education | All | 0.1323 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Grocery | All | 0.4954 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Grocery | All | 0.0219 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Healthcare | All | 0.1465 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Healthcare | All | 0.0854 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Lodging | All | 0.2176 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Lodging | All | 0.2415 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Misc. | All | 0.1672 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Misc. | All | 0.0048 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Office | All | 0.1502 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Office | All | 0.0082 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Restaurant | All | 0.1678 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Restaurant | All | 0.1751 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Retail | All | 0.3012 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Retail | All | 0.0061 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Warehouse | All | 0.2473 |
| New High Efficiency Condensing Boiler for Water and Space Heating | Turnover | Warehouse | All | 0.0085 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Education | All | 0.2979 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Grocery | All | 0.4020 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Healthcare | All | 0.1182 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Lodging | All | 0.1758 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Misc. | All | 0.1361 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Office | All | 0.1212 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Restaurant | All | 0.1366 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Retail | All | 0.2436 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Early Retirement | Warehouse | All | 0.2017 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Education | All | 0.3709 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Grocery | All | 0.4996 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Healthcare | All | 0.1478 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Lodging | All | 0.2194 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Misc. | All | 0.1701 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Office | All | 0.1515 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Restaurant | All | 0.1707 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Retail | All | 0.3038 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | New | Warehouse | All | 0.2517 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Education | All | 0.3709 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Grocery | All | 0.4996 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Healthcare | All | 0.1478 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Lodging | All | 0.2194 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Misc. | All | 0.1701 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Office | All | 0.1515 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Restaurant | All | 0.1707 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Retail | All | 0.3038 |
| New High Efficiency Condensing Boiler Input Capacity >300 kBtuh and Thermal Efficiency >=90% | Turnover | Warehouse | All | 0.2517 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Education | All | 1.1277 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Grocery | All | 1.4171 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Healthcare | All | 0.9697 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Lodging | All | 0.7914 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Misc. | All | 1.0373 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Office | All | 0.8597 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Restaurant | All | 1.7281 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Retail | All | 1.0484 |
| New High Efficiency Condensing Furnace 91 AFUE | Early Retirement | Warehouse | All | 0.6158 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Education | All | 2.6949 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Grocery | All | 3.2410 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Healthcare | All | 2.3755 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Lodging | All | 1.9953 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Misc. | All | 2.5142 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| New High Efficiency Condensing Furnace 91 AFUE | New | Office | All | 2.1436 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Restaurant | All | 3.7782 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Retail | All | 2.5367 |
| New High Efficiency Condensing Furnace 91 AFUE | New | Warehouse | All | 1.5985 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Education | All | 2.6949 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Grocery | All | 3.2410 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Healthcare | All | 2.3755 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Lodging | All | 1.9953 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Misc. | All | 2.5142 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Office | All | 2.1436 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Restaurant | All | 3.7782 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Retail | All | 2.5367 |
| New High Efficiency Condensing Furnace 91 AFUE | Turnover | Warehouse | All | 1.5985 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Education | All | 1.4018 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Grocery | All | 1.7513 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Healthcare | All | 1.2092 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Lodging | All | 0.9905 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Misc. | All | 1.2918 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Office | All | 1.0745 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Restaurant | All | 1.8803 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Retail | All | 1.3053 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Early Retirement | Warehouse | All | 0.7734 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Education | All | 1.3166 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Grocery | All | 1.6487 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Healthcare | All | 1.1343 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Lodging | All | 0.9278 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Misc. | All | 1.2124 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Office | All | 1.0070 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Restaurant | All | 1.7716 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Retail | All | 1.2252 |
| New High Efficiency Condensing Unit Heater 92 AFUE | New | Warehouse | All | 0.7234 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Education | All | 1.3166 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Grocery | All | 1.6487 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Healthcare | All | 1.1343 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Lodging | All | 0.9278 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Misc. | All | 1.2124 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Office | All | 1.0070 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Restaurant | All | 1.7716 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Retail | All | 1.2252 |
| New High Efficiency Condensing Unit Heater 92 AFUE | Turnover | Warehouse | All | 0.7234 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Education | All | 1.1584 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Grocery | All | 1.4569 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Healthcare | All | 0.9957 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Lodging | All | 0.8122 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Misc. | All | 1.0654 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Office | All | 0.8825 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Restaurant | All | 1.5680 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Retail | All | 1.0768 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Early Retirement | Warehouse | All | 0.6317 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Education | All | 0.8036 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Grocery | All | 1.0205 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Healthcare | All | 0.6871 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Lodging | All | 0.5572 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Misc. | All | 0.7368 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Office | All | 0.6068 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Restaurant | All | 1.1023 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Retail | All | 0.7450 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | New | Warehouse | All | 0.4309 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Education | All | 0.8036 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Grocery | All | 1.0205 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Healthcare | All | 0.6871 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Lodging | All | 0.5572 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Misc. | All | 0.7368 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Office | All | 0.6068 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Restaurant | All | 1.1023 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Retail | All | 0.7450 |
| New High Efficiency Non-Condensing Unit Heater 86 AFUE | Turnover | Warehouse | All | 0.4309 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Education | All | 0.6017 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Grocery | All | 0.1425 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Healthcare | All | 0.5305 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Lodging | All | 1.3487 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Misc. | All | 0.0317 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Office | All | 0.0538 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Restaurant | All | 1.5155 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Retail | All | 0.0402 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Early Retirement | Warehouse | All | 0.0212 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Education | All | 1.3685 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Grocery | All | 0.3529 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Healthcare | All | 1.2219 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Lodging | All | 2.7083 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Misc. | All | 0.0803 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Office | All | 0.1356 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Restaurant | All | 2.9658 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Retail | All | 0.1015 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | New | Warehouse | All | 0.0538 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Education | All | 1.3685 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Grocery | All | 0.3529 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Healthcare | All | 1.2219 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Lodging | All | 2.7083 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Misc. | All | 0.0803 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Office | All | 0.1356 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Restaurant | All | 2.9658 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Retail | All | 0.1015 |
| New High Efficiency Tank Condensing Water Heater, >75,000 kBtuh | Turnover | Warehouse | All | 0.0538 |
| New High Efficiency Tank Water Heater | Early Retirement | Education | All | 0.8567 |
| New High Efficiency Tank Water Heater | Early Retirement | Grocery | All | 0.2088 |
| New High Efficiency Tank Water Heater | Early Retirement | Healthcare | All | 0.7587 |
| New High Efficiency Tank Water Heater | Early Retirement | Lodging | All | 1.8363 |
| New High Efficiency Tank Water Heater | Early Retirement | Misc. | All | 0.0468 |
| New High Efficiency Tank Water Heater | Early Retirement | Office | All | 0.0793 |
| New High Efficiency Tank Water Heater | Early Retirement | Restaurant | All | 2.0435 |
| New High Efficiency Tank Water Heater | Early Retirement | Retail | All | 0.0592 |
| New High Efficiency Tank Water Heater | Early Retirement | Warehouse | All | 0.0313 |
| New High Efficiency Tank Water Heater | New | Education | All | 0.9549 |
| New High Efficiency Tank Water Heater | New | Grocery | All | 0.2353 |
| New High Efficiency Tank Water Heater | New | Healthcare | All | 0.8469 |
| New High Efficiency Tank Water Heater | New | Lodging | All | 2.0136 |
| New High Efficiency Tank Water Heater | New | Misc. | All | 0.0529 |
| New High Efficiency Tank Water Heater | New | Office | All | 0.0895 |
| New High Efficiency Tank Water Heater | New | Restaurant | All | 2.2332 |
| New High Efficiency Tank Water Heater | New | Retail | All | 0.0669 |
| New High Efficiency Tank Water Heater | New | Warehouse | All | 0.0354 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| New High Efficiency Tank Water Heater, EF=.10 | Turnover | Office | All | 0.0895 |
| New High Efficiency Tank Water Heater, EF=.11 | Turnover | Lodging | All | 2.0136 |
| New High Efficiency Tank Water Heater, EF=.12 | Turnover | Misc. | All | 0.0529 |
| New High Efficiency Tank Water Heater, EF=.13 | Turnover | Restaurant | All | 2.2332 |
| New High Efficiency Tank Water Heater, EF=.14 | Turnover | Retail | All | 0.0669 |
| New High Efficiency Tank Water Heater, EF=.15 | Turnover | Warehouse | All | 0.0354 |
| New High Efficiency Tank Water Heater, EF=.7 | Turnover | Education | All | 0.9549 |
| New High Efficiency Tank Water Heater, EF=.8 | Turnover | Grocery | All | 0.2353 |
| New High Efficiency Tank Water Heater, EF=.9 | Turnover | Healthcare | All | 0.8469 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Education | All | 1.6134 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Grocery | All | 0.4025 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Healthcare | All | 1.4337 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Lodging | All | 3.3417 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Misc. | All | 0.0908 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Office | All | 0.1535 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Restaurant | All | 3.6924 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Retail | All | 0.1148 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Early Retirement | Warehouse | All | 0.0607 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Education | All | 1.6134 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Grocery | All | 0.4025 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Healthcare | All | 1.4337 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Lodging | All | 3.3417 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Misc. | All | 0.0908 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Office | All | 0.1535 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Restaurant | All | 3.6924 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Retail | All | 0.1148 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | New | Warehouse | All | 0.0607 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Education | All | 1.4224 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Grocery | All | 0.3499 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Healthcare | All | 1.2613 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Lodging | All | 3.0074 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Misc. | All | 0.0786 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Office | All | 0.1331 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Restaurant | All | 3.3372 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Retail | All | 0.0995 |
| New High Efficiency Tankless Water Heater <200,000 Mbtuh, .82 EF | Turnover | Warehouse | All | 0.0526 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Boiler Pipe Insulation | Existing | Education | All | 3.3577 |
| Boiler Pipe Insulation | Existing | Grocery | All | 4.1418 |
| Boiler Pipe Insulation | Existing | Healthcare | All | 1.5912 |
| Boiler Pipe Insulation | Existing | Lodging | All | 2.2273 |
| Boiler Pipe Insulation | Existing | Misc. | All | 1.7974 |
| Boiler Pipe Insulation | Existing | Office | All | 1.6258 |
| Boiler Pipe Insulation | Existing | Restaurant | All | 1.8028 |
| Boiler Pipe Insulation | Existing | Retail | All | 2.8882 |
| Boiler Pipe Insulation | Existing | Warehouse | All | 2.4900 |
| Boiler Pipe Insulation | New | Education | All | 3.3577 |
| Boiler Pipe Insulation | New | Grocery | All | 4.1418 |
| Boiler Pipe Insulation | New | Healthcare | All | 1.5912 |
| Boiler Pipe Insulation | New | Lodging | All | 2.2273 |
| Boiler Pipe Insulation | New | Misc. | All | 1.7974 |
| Boiler Pipe Insulation | New | Office | All | 1.6258 |
| Boiler Pipe Insulation | New | Restaurant | All | 1.8028 |
| Boiler Pipe Insulation | New | Retail | All | 2.8882 |
| Boiler Pipe Insulation | New | Warehouse | All | 2.4900 |
| Boiler Power Burner | Existing | Education | All | 0.4955 |
| Boiler Power Burner | Existing | Grocery | All | 0.6283 |
| Boiler Power Burner | Existing | Healthcare | All | 0.2213 |
| Boiler Power Burner | Existing | Lodging | All | 0.3163 |
| Boiler Power Burner | Existing | Misc. | All | 0.2517 |
| Boiler Power Burner | Existing | Office | All | 0.2264 |
| Boiler Power Burner | Existing | Restaurant | All | 0.2525 |
| Boiler Power Burner | Existing | Retail | All | 0.4194 |
| Boiler Power Burner | Existing | Warehouse | All | 0.3568 |
| Boiler Power Burner | New | Education | All | 0.4955 |
| Boiler Power Burner | New | Grocery | All | 0.6283 |
| Boiler Power Burner | New | Healthcare | All | 0.2213 |
| Boiler Power Burner | New | Lodging | All | 0.3163 |
| Boiler Power Burner | New | Misc. | All | 0.2517 |
| Boiler Power Burner | New | Office | All | 0.2264 |
| Boiler Power Burner | New | Restaurant | All | 0.2525 |
| Boiler Power Burner | New | Retail | All | 0.4194 |
| Boiler Power Burner | New | Warehouse | All | 0.3568 |
| Boiler Repair/Maintenance | Existing | Education | All | 0.1381 |
| Boiler Repair/Maintenance | Existing | Grocery | All | 0.1818 |
| Boiler Repair/Maintenance | Existing | Healthcare | All | 0.0573 |
| Boiler Repair/Maintenance | Existing | Lodging | All | 0.0840 |
| Boiler Repair/Maintenance | Existing | Misc. | All | 0.0657 |
| Boiler Repair/Maintenance | Existing | Office | All | 0.0587 |
| Boiler Repair/Maintenance | Existing | Restaurant | All | 0.0660 |
| Boiler Repair/Maintenance | Existing | Retail | All | 0.1145 |
| Boiler Repair/Maintenance | Existing | Warehouse | All | 0.0958 |
| Boiler Repair/Maintenance | New | Education | All | 0.1381 |
| Boiler Repair/Maintenance | New | Grocery | All | 0.1818 |
| Boiler Repair/Maintenance | New | Healthcare | All | 0.0573 |
| Boiler Repair/Maintenance | New | Lodging | All | 0.0840 |
| Boiler Repair/Maintenance | New | Misc. | All | 0.0657 |
| Boiler Repair/Maintenance | New | Office | All | 0.0587 |
| Boiler Repair/Maintenance | New | Restaurant | All | 0.0660 |
| Boiler Repair/Maintenance | New | Retail | All | 0.1145 |
| Boiler Repair/Maintenance | New | Warehouse | All | 0.0958 |
| Boiler Stack Economizer | Existing | Education | All | 0.6153 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Boiler Stack Economizer | Existing | Grocery | All | 0.8224 |
| Boiler Stack Economizer | Existing | Healthcare | All | 0.2484 |
| Boiler Stack Economizer | Existing | Lodging | All | 0.3672 |
| Boiler Stack Economizer | Existing | Misc. | All | 0.2855 |
| Boiler Stack Economizer | Existing | Office | All | 0.2545 |
| Boiler Stack Economizer | Existing | Restaurant | All | 0.2865 |
| Boiler Stack Economizer | Existing | Retail | All | 0.5058 |
| Boiler Stack Economizer | Existing | Warehouse | All | 0.4203 |
| Boiler Stack Economizer | New | Education | All | 0.5468 |
| Boiler Stack Economizer | New | Grocery | All | 0.7324 |
| Boiler Stack Economizer | New | Healthcare | All | 0.2199 |
| Boiler Stack Economizer | New | Lodging | All | 0.3256 |
| Boiler Stack Economizer | New | Misc. | All | 0.2529 |
| Boiler Stack Economizer | New | Office | All | 0.2254 |
| Boiler Stack Economizer | New | Restaurant | All | 0.2538 |
| Boiler Stack Economizer | New | Retail | All | 0.4491 |
| Boiler Stack Economizer | New | Warehouse | All | 0.3728 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Education | All | 2.1762 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Grocery | All | 2.4755 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Healthcare | All | 1.2733 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Lodging | All | 1.6435 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Misc. | All | 0.8489 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Office | All | 1.9555 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Restaurant | All | 1.4032 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Retail | All | 1.9715 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Warehouse | All | 1.7800 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Education | All | 2.0789 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Grocery | All | 2.3824 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Healthcare | All | 1.1899 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Lodging | All | 1.5497 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Misc. | All | 0.7853 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Office | All | 1.8579 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Restaurant | All | 1.3154 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Retail | All | 1.8739 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | New | Warehouse | All | 1.6840 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Education | All | 0.5710 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Grocery | All | 0.7568 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Healthcare | All | 0.2341 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Lodging | All | 0.3444 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Misc. | All | 0.2686 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Office | All | 0.2398 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Restaurant | All | 0.2695 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Retail | All | 0.4716 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Warehouse | All | 0.3933 |
| Boiler vent damper - min. 1000 kBtu input | New | Education | All | 0.5710 |
| Boiler vent damper - min. 1000 kBtu input | New | Grocery | All | 0.7568 |
| Boiler vent damper - min. 1000 kBtu input | New | Healthcare | All | 0.2341 |
| Boiler vent damper - min. 1000 kBtu input | New | Lodging | All | 0.3444 |
| Boiler vent damper - min. 1000 kBtu input | New | Misc. | All | 0.2686 |
| Boiler vent damper - min. 1000 kBtu input | New | Office | All | 0.2398 |
| Boiler vent damper - min. 1000 kBtu input | New | Restaurant | All | 0.2695 |
| Boiler vent damper - min. 1000 kBtu input | New | Retail | All | 0.4716 |
| Boiler vent damper - min. 1000 kBtu input | New | Warehouse | All | 0.3933 |
| Boiler Waste Water Heat Exchanger | Existing | Education | All | 0.0867 |
| Boiler Waste Water Heat Exchanger | Existing | Grocery | All | 0.0592 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Boiler Waste Water Heat Exchanger | Existing | Healthcare | All | 0.0510 |
| Boiler Waste Water Heat Exchanger | Existing | Lodging | All | 0.0508 |
| Boiler Waste Water Heat Exchanger | Existing | Misc. | All | 0.0196 |
| Boiler Waste Water Heat Exchanger | Existing | Office | All | 0.0349 |
| Boiler Waste Water Heat Exchanger | Existing | Restaurant | All | 0.0197 |
| Boiler Waste Water Heat Exchanger | Existing | Retail | All | 0.0354 |
| Boiler Waste Water Heat Exchanger | Existing | Warehouse | All | 0.0292 |
| Boiler Waste Water Heat Exchanger | New | Education | All | 0.0867 |
| Boiler Waste Water Heat Exchanger | New | Grocery | All | 0.0592 |
| Boiler Waste Water Heat Exchanger | New | Healthcare | All | 0.0510 |
| Boiler Waste Water Heat Exchanger | New | Lodging | All | 0.0508 |
| Boiler Waste Water Heat Exchanger | New | Misc. | All | 0.0196 |
| Boiler Waste Water Heat Exchanger | New | Office | All | 0.0349 |
| Boiler Waste Water Heat Exchanger | New | Restaurant | All | 0.0197 |
| Boiler Waste Water Heat Exchanger | New | Retail | All | 0.0354 |
| Boiler Waste Water Heat Exchanger | New | Warehouse | All | 0.0292 |
| Demand Controlled Ventilation | Existing | Education | All | 4.2406 |
| Demand Controlled Ventilation | Existing | Grocery | All | 3.5314 |
| Demand Controlled Ventilation | Existing | Healthcare | All | 3.2543 |
| Demand Controlled Ventilation | Existing | Lodging | All | 3.2472 |
| Demand Controlled Ventilation | Existing | Misc. | All | 1.7130 |
| Demand Controlled Ventilation | Existing | Office | All | 2.5824 |
| Demand Controlled Ventilation | Existing | Restaurant | All | 1.7177 |
| Demand Controlled Ventilation | Existing | Retail | All | 2.6096 |
| Demand Controlled Ventilation | Existing | Warehouse | All | 2.2933 |
| Demand Controlled Ventilation | New | Education | All | 4.0141 |
| Demand Controlled Ventilation | New | Grocery | All | 3.3034 |
| Demand Controlled Ventilation | New | Healthcare | All | 3.0303 |
| Demand Controlled Ventilation | New | Lodging | All | 3.0234 |
| Demand Controlled Ventilation | New | Misc. | All | 1.5556 |
| Demand Controlled Ventilation | New | Office | All | 2.3783 |
| Demand Controlled Ventilation | New | Restaurant | All | 1.5600 |
| Demand Controlled Ventilation | New | Retail | All | 2.4044 |
| Demand Controlled Ventilation | New | Warehouse | All | 2.1021 |
| Drainwater Heat Recovery | Existing | Education | All | 4.1589 |
| Drainwater Heat Recovery | Existing | Grocery | All | 1.0931 |
| Drainwater Heat Recovery | Existing | Healthcare | All | 3.2094 |
| Drainwater Heat Recovery | Existing | Lodging | All | 6.5427 |
| Drainwater Heat Recovery | Existing | Misc. | All | 0.2782 |
| Drainwater Heat Recovery | Existing | Office | All | 0.4303 |
| Drainwater Heat Recovery | Existing | Restaurant | All | 5.7961 |
| Drainwater Heat Recovery | Existing | Retail | All | 0.3503 |
| Drainwater Heat Recovery | Existing | Warehouse | All | 0.5268 |
| Drainwater Heat Recovery | New | Education | All | 4.4612 |
| Drainwater Heat Recovery | New | Grocery | All | 1.2085 |
| Drainwater Heat Recovery | New | Healthcare | All | 3.4747 |
| Drainwater Heat Recovery | New | Lodging | All | 6.8597 |
| Drainwater Heat Recovery | New | Misc. | All | 0.3101 |
| Drainwater Heat Recovery | New | Office | All | 0.4789 |
| Drainwater Heat Recovery | New | Restaurant | All | 6.1202 |
| Drainwater Heat Recovery | New | Retail | All | 0.3902 |
| Drainwater Heat Recovery | New | Warehouse | All | 0.5857 |
| Duct Sealing and Insulation | Existing | Education | All | 0.6780 |
| Duct Sealing and Insulation | Existing | Grocery | All | 0.8647 |
| Duct Sealing and Insulation | Existing | Healthcare | All | 0.5784 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Duct Sealing and Insulation | Existing | Lodging | All | 0.4678 |
| Duct Sealing and Insulation | Existing | Misc. | All | 0.6208 |
| Duct Sealing and Insulation | Existing | Office | All | 0.5099 |
| Duct Sealing and Insulation | Existing | Restaurant | All | 1.0718 |
| Duct Sealing and Insulation | Existing | Retail | All | 0.6278 |
| Duct Sealing and Insulation | Existing | Warehouse | All | 0.3608 |
| Duct Sealing and Insulation | New | Education | All | 0.6780 |
| Duct Sealing and Insulation | New | Grocery | All | 0.8647 |
| Duct Sealing and Insulation | New | Healthcare | All | 0.5784 |
| Duct Sealing and Insulation | New | Lodging | All | 0.4678 |
| Duct Sealing and Insulation | New | Misc. | All | 0.6208 |
| Duct Sealing and Insulation | New | Office | All | 0.5099 |
| Duct Sealing and Insulation | New | Restaurant | All | 1.0718 |
| Duct Sealing and Insulation | New | Retail | All | 0.6278 |
| Duct Sealing and Insulation | New | Warehouse | All | 0.3608 |
| Faucet Aerator 2.0 gpm | Existing | Education | All | 4.9455 |
| Faucet Aerator 2.0 gpm | Existing | Grocery | All | 4.8493 |
| Faucet Aerator 2.0 gpm | Existing | Healthcare | All | 4.8764 |
| Faucet Aerator 2.0 gpm | Existing | Lodging | All | 5.4110 |
| Faucet Aerator 2.0 gpm | Existing | Misc. | All | 3.0291 |
| Faucet Aerator 2.0 gpm | Existing | Office | All | 2.6048 |
| Faucet Aerator 2.0 gpm | Existing | Restaurant | All | 5.6136 |
| Faucet Aerator 2.0 gpm | Existing | Retail | All | 4.1164 |
| Faucet Aerator 2.0 gpm | Existing | Warehouse | All | 3.8018 |
| Faucet Aerator 2.0 gpm | New | Education | All | 4.4054 |
| Faucet Aerator 2.0 gpm | New | Grocery | All | 4.2641 |
| Faucet Aerator 2.0 gpm | New | Healthcare | All | 4.3036 |
| Faucet Aerator 2.0 gpm | New | Lodging | All | 5.1447 |
| Faucet Aerator 2.0 gpm | New | Misc. | All | 2.1420 |
| Faucet Aerator 2.0 gpm | New | Office | All | 1.7615 |
| Faucet Aerator 2.0 gpm | New | Restaurant | All | 5.4984 |
| Faucet Aerator 2.0 gpm | New | Retail | All | 3.2964 |
| Faucet Aerator 2.0 gpm | New | Warehouse | All | 2.9321 |
| Floor Insulation, R-30 insulation added to floor | Existing | Education | All | 0.1773 |
| Floor Insulation, R-30 insulation added to floor | Existing | Grocery | All | 0.1790 |
| Floor Insulation, R-30 insulation added to floor | Existing | Healthcare | All | 0.1501 |
| Floor Insulation, R-30 insulation added to floor | Existing | Lodging | All | 0.1138 |
| Floor Insulation, R-30 insulation added to floor | Existing | Misc. | All | 0.1527 |
| Floor Insulation, R-30 insulation added to floor | Existing | Office | All | 0.1316 |
| Floor Insulation, R-30 insulation added to floor | Existing | Restaurant | All | 0.2573 |
| Floor Insulation, R-30 insulation added to floor | Existing | Retail | All | 0.1275 |
| Floor Insulation, R-30 insulation added to floor | Existing | Warehouse | All | 0.0565 |
| Floor Insulation, R-30 insulation added to floor | New | Education | All | 0.1773 |
| Floor Insulation, R-30 insulation added to floor | New | Grocery | All | 0.1790 |
| Floor Insulation, R-30 insulation added to floor | New | Healthcare | All | 0.1501 |
| Floor Insulation, R-30 insulation added to floor | New | Lodging | All | 0.1138 |
| Floor Insulation, R-30 insulation added to floor | New | Misc. | All | 0.1527 |
| Floor Insulation, R-30 insulation added to floor | New | Office | All | 0.1316 |
| Floor Insulation, R-30 insulation added to floor | New | Restaurant | All | 0.2573 |
| Floor Insulation, R-30 insulation added to floor | New | Retail | All | 0.1275 |
| Floor Insulation, R-30 insulation added to floor | New | Warehouse | All | 0.0565 |
| Heat Recovery | Existing | Education | All | 0.3047 |
| Heat Recovery | Existing | Grocery | All | 0.3917 |
| Heat Recovery | Existing | Healthcare | All | 0.2588 |
| Heat Recovery | Existing | Lodging | All | 0.2084 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Heat Recovery | Existing | Misc. | All | 0.2783 |
| Heat Recovery | Existing | Office | All | 0.2275 |
| Heat Recovery | Existing | Restaurant | All | 0.4898 |
| Heat Recovery | Existing | Retail | All | 0.2815 |
| Heat Recovery | Existing | Warehouse | All | 0.1600 |
| Heat Recovery | New | Education | All | 0.3047 |
| Heat Recovery | New | Grocery | All | 0.3917 |
| Heat Recovery | New | Healthcare | All | 0.2588 |
| Heat Recovery | New | Lodging | All | 0.2084 |
| Heat Recovery | New | Misc. | All | 0.2783 |
| Heat Recovery | New | Office | All | 0.2275 |
| Heat Recovery | New | Restaurant | All | 0.4898 |
| Heat Recovery | New | Retail | All | 0.2815 |
| Heat Recovery | New | Warehouse | All | 0.1600 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Education | All | 2.6043 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Grocery | All | 0.6103 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Healthcare | All | 2.0322 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Lodging | All | 3.3908 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Misc. | All | 0.0717 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Office | All | 0.2559 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Restaurant | All | 1.6872 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Retail | All | 0.1591 |
| High Efficiency Commercial Gas Clothes Washer | Existing | Warehouse | All | 0.1242 |
| High Efficiency Commercial Gas Clothes Washer | New | Education | All | 4.1620 |
| High Efficiency Commercial Gas Clothes Washer | New | Grocery | All | 2.4508 |
| High Efficiency Commercial Gas Clothes Washer | New | Healthcare | All | 3.9258 |
| High Efficiency Commercial Gas Clothes Washer | New | Lodging | All | 4.3790 |
| High Efficiency Commercial Gas Clothes Washer | New | Misc. | All | 0.4870 |
| High Efficiency Commercial Gas Clothes Washer | New | Office | All | 1.4055 |
| High Efficiency Commercial Gas Clothes Washer | New | Restaurant | All | 3.7288 |
| High Efficiency Commercial Gas Clothes Washer | New | Retail | All | 0.9716 |
| High Efficiency Commercial Gas Clothes Washer | New | Warehouse | All | 0.7903 |
| Hot Water Pipe Insulation | Existing | Education | All | 4.9236 |
| Hot Water Pipe Insulation | Existing | Grocery | All | 5.2665 |
| Hot Water Pipe Insulation | Existing | Healthcare | All | 4.6806 |
| Hot Water Pipe Insulation | Existing | Lodging | All | 4.3363 |
| Hot Water Pipe Insulation | Existing | Misc. | All | 4.7907 |
| Hot Water Pipe Insulation | Existing | Office | All | 4.4787 |
| Hot Water Pipe Insulation | Existing | Restaurant | All | 5.5373 |
| Hot Water Pipe Insulation | Existing | Retail | All | 4.8077 |
| Hot Water Pipe Insulation | Existing | Warehouse | All | 3.8922 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Education | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Grocery | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Healthcare | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Lodging | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Misc. | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Office | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Restaurant | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Retail | All | 0.0000 |
| Hot Water Pipe Insulation 1.0" of Insulation, assuming R-4 (WA Stat | New | Warehouse | All | 0.0000 |
| Hot Water Temperature Reset | Existing | Education | All | 0.9897 |
| Hot Water Temperature Reset | Existing | Grocery | All | 1.2534 |
| Hot Water Temperature Reset | Existing | Healthcare | All | 0.8475 |
| Hot Water Temperature Reset | Existing | Lodging | All | 0.6884 |
| Hot Water Temperature Reset | Existing | Misc. | All | 0.9082 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Hot Water Temperature Reset | Existing | Office | All | 0.7492 |
| Hot Water Temperature Reset | Existing | Restaurant | All | 1.4021 |
| Hot Water Temperature Reset | Existing | Retail | All | 0.9182 |
| Hot Water Temperature Reset | Existing | Warehouse | All | 0.5332 |
| Hot Water Temperature Reset | New | Education | All | 0.9897 |
| Hot Water Temperature Reset | New | Grocery | All | 1.2534 |
| Hot Water Temperature Reset | New | Healthcare | All | 0.8475 |
| Hot Water Temperature Reset | New | Lodging | All | 0.6884 |
| Hot Water Temperature Reset | New | Misc. | All | 0.9082 |
| Hot Water Temperature Reset | New | Office | All | 0.7492 |
| Hot Water Temperature Reset | New | Restaurant | All | 1.4021 |
| Hot Water Temperature Reset | New | Retail | All | 0.9182 |
| Hot Water Temperature Reset | New | Warehouse | All | 0.5332 |
| Hot Water Temperature Setback | Existing | Education | All | 3.2278 |
| Hot Water Temperature Setback | Existing | Grocery | All | 2.5059 |
| Hot Water Temperature Setback | Existing | Healthcare | All | 3.1496 |
| Hot Water Temperature Setback | Existing | Lodging | All | 3.2952 |
| Hot Water Temperature Setback | Existing | Misc. | All | 0.7847 |
| Hot Water Temperature Setback | Existing | Office | All | 1.7842 |
| Hot Water Temperature Setback | Existing | Restaurant | All | 3.0802 |
| Hot Water Temperature Setback | Existing | Retail | All | 1.3708 |
| Hot Water Temperature Setback | Existing | Warehouse | All | 1.1694 |
| Hot Water Temperature Setback | New | Education | All | 3.2278 |
| Hot Water Temperature Setback | New | Grocery | All | 2.5059 |
| Hot Water Temperature Setback | New | Healthcare | All | 3.1496 |
| Hot Water Temperature Setback | New | Lodging | All | 3.2952 |
| Hot Water Temperature Setback | New | Misc. | All | 0.7847 |
| Hot Water Temperature Setback | New | Office | All | 1.7842 |
| Hot Water Temperature Setback | New | Restaurant | All | 3.0802 |
| Hot Water Temperature Setback | New | Retail | All | 1.3708 |
| Hot Water Temperature Setback | New | Warehouse | All | 1.1694 |
| HVAC Controls | Existing | Education | All | 0.7570 |
| HVAC Controls | Existing | Grocery | All | 0.5344 |
| HVAC Controls | Existing | Healthcare | All | 0.4648 |
| HVAC Controls | Existing | Lodging | All | 0.4632 |
| HVAC Controls | Existing | Misc. | All | 0.1865 |
| HVAC Controls | Existing | Office | All | 0.3247 |
| HVAC Controls | Existing | Restaurant | All | 0.1871 |
| HVAC Controls | Existing | Retail | All | 0.3297 |
| HVAC Controls | Existing | Warehouse | All | 0.2742 |
| HVAC Controls | New | Education | All | 0.7570 |
| HVAC Controls | New | Grocery | All | 0.5344 |
| HVAC Controls | New | Healthcare | All | 0.4648 |
| HVAC Controls | New | Lodging | All | 0.4632 |
| HVAC Controls | New | Misc. | All | 0.1865 |
| HVAC Controls | New | Office | All | 0.3247 |
| HVAC Controls | New | Restaurant | All | 0.1871 |
| HVAC Controls | New | Retail | All | 0.3297 |
| HVAC Controls | New | Warehouse | All | 0.2742 |
| HVAC System Commissioning | Existing | Education | All | 0.2399 |
| HVAC System Commissioning | Existing | Grocery | All | 0.1672 |
| HVAC System Commissioning | Existing | Healthcare | All | 0.1449 |
| HVAC System Commissioning | Existing | Lodging | All | 0.1444 |
| HVAC System Commissioning | Existing | Misc. | All | 0.0572 |
| HVAC System Commissioning | Existing | Office | All | 0.1004 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| HVAC System Commissioning | Existing | Restaurant | All | 0.0574 |
| HVAC System Commissioning | Existing | Retail | All | 0.1020 |
| HVAC System Commissioning | Existing | Warehouse | All | 0.0845 |
| HVAC System Commissioning | New | Education | All | 0.2399 |
| HVAC System Commissioning | New | Grocery | All | 0.1672 |
| HVAC System Commissioning | New | Healthcare | All | 0.1449 |
| HVAC System Commissioning | New | Lodging | All | 0.1444 |
| HVAC System Commissioning | New | Misc. | All | 0.0572 |
| HVAC System Commissioning | New | Office | All | 0.1004 |
| HVAC System Commissioning | New | Restaurant | All | 0.0574 |
| HVAC System Commissioning | New | Retail | All | 0.1020 |
| HVAC System Commissioning | New | Warehouse | All | 0.0845 |
| Low Flow Showerhead, 2.0 gpm | Existing | Education | All | 4.7141 |
| Low Flow Showerhead, 2.0 gpm | Existing | Grocery | All | 4.6315 |
| Low Flow Showerhead, 2.0 gpm | Existing | Healthcare | All | 3.7124 |
| Low Flow Showerhead, 2.0 gpm | Existing | Lodging | All | 4.2341 |
| Low Flow Showerhead, 2.0 gpm | Existing | Misc. | All | 1.3999 |
| Low Flow Showerhead, 2.0 gpm | Existing | Office | All | 3.2485 |
| Low Flow Showerhead, 2.0 gpm | Existing | Restaurant | All | 5.7621 |
| Low Flow Showerhead, 2.0 gpm | Existing | Retail | All | 2.4748 |
| Low Flow Showerhead, 2.0 gpm | Existing | Warehouse | All | 2.1026 |
| Low Flow Showerhead, 2.0 gpm | New | Education | All | 5.3335 |
| Low Flow Showerhead, 2.0 gpm | New | Grocery | All | 5.2759 |
| Low Flow Showerhead, 2.0 gpm | New | Healthcare | All | 4.5768 |
| Low Flow Showerhead, 2.0 gpm | New | Lodging | All | 4.9871 |
| Low Flow Showerhead, 2.0 gpm | New | Misc. | All | 2.1762 |
| Low Flow Showerhead, 2.0 gpm | New | Office | All | 4.1783 |
| Low Flow Showerhead, 2.0 gpm | New | Restaurant | All | 6.0026 |
| Low Flow Showerhead, 2.0 gpm | New | Retail | All | 3.4310 |
| Low Flow Showerhead, 2.0 gpm | New | Warehouse | All | 3.0284 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Education | All | 3.1507 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Grocery | All | 2.1552 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Healthcare | All | 3.0301 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Lodging | All | 3.2575 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Misc. | All | 0.9092 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Office | All | 1.9471 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Restaurant | All | 2.9258 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Retail | All | 1.5328 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | Existing | Warehouse | All | 1.3235 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Education | All | 3.2513 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Grocery | All | 2.6323 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Healthcare | All | 3.1867 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Lodging | All | 3.3065 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Misc. | All | 1.4417 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Office | All | 2.4730 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Restaurant | All | 3.1289 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Retail | All | 2.1149 |
| Low-flow Pre-Rinse Spray Valve 1.06 gpm | New | Warehouse | All | 1.9093 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Education | All | 1.7579 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Grocery | All | 0.2479 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Healthcare | All | 1.1529 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Lodging | All | 3.0966 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Misc. | All | 0.0525 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Office | All | 0.1921 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Restaurant | All | 0.8732 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Low-temp Door-Type Energy Star Dishwasher | Existing | Retail | All | 0.1178 |
| Low-temp Door-Type Energy Star Dishwasher | Existing | Warehouse | All | 0.0915 |
| Low-temp Door-Type Energy Star Dishwasher | New | Education | All | 3.8163 |
| Low-temp Door-Type Energy Star Dishwasher | New | Grocery | All | 0.7113 |
| Low-temp Door-Type Energy Star Dishwasher | New | Healthcare | All | 2.7731 |
| Low-temp Door-Type Energy Star Dishwasher | New | Lodging | All | 5.5299 |
| Low-temp Door-Type Energy Star Dishwasher | New | Misc. | All | 0.1570 |
| Low-temp Door-Type Energy Star Dishwasher | New | Office | All | 0.5578 |
| Low-temp Door-Type Energy Star Dishwasher | New | Restaurant | All | 2.2106 |
| Low-temp Door-Type Energy Star Dishwasher | New | Retail | All | 0.3477 |
| Low-temp Door-Type Energy Star Dishwasher | New | Warehouse | All | 0.2717 |
| Motion Faucet Controls | Existing | Education | All | 0.4414 |
| Motion Faucet Controls | Existing | Grocery | All | 0.3931 |
| Motion Faucet Controls | Existing | Healthcare | All | 0.7240 |
| Motion Faucet Controls | Existing | Lodging | All | 2.3839 |
| Motion Faucet Controls | Existing | Misc. | All | 0.0897 |
| Motion Faucet Controls | Existing | Office | All | 0.0672 |
| Motion Faucet Controls | Existing | Restaurant | All | 1.6830 |
| Motion Faucet Controls | Existing | Retail | All | 0.1963 |
| Motion Faucet Controls | Existing | Warehouse | All | 0.1541 |
| Motion Faucet Controls, 12 s flow duration | New | Education | All | 2.3895 |
| Motion Faucet Controls, 12 s flow duration | New | Grocery | All | 2.2958 |
| Motion Faucet Controls, 12 s flow duration | New | Healthcare | All | 2.7446 |
| Motion Faucet Controls, 12 s flow duration | New | Lodging | All | 3.2739 |
| Motion Faucet Controls, 12 s flow duration | New | Misc. | All | 1.0388 |
| Motion Faucet Controls, 12 s flow duration | New | Office | All | 0.8394 |
| Motion Faucet Controls, 12 s flow duration | New | Restaurant | All | 3.1631 |
| Motion Faucet Controls, 12 s flow duration | New | Retail | All | 1.6899 |
| Motion Faucet Controls, 12 s flow duration | New | Warehouse | All | 1.4766 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Education | All | 1.1082 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Grocery | All | 0.1413 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Healthcare | All | 0.6971 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Lodging | All | 2.1551 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Misc. | All | 0.0295 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Office | All | 0.1091 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Restaurant | All | 0.5182 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Retail | All | 0.0666 |
| Multi-tank Conveyor Dishwasher - Energy Star | Existing | Warehouse | All | 0.0517 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Education | All | 7.4185 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Grocery | All | 1.9795 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Healthcare | All | 5.9981 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Lodging | All | 9.2162 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Misc. | All | 0.4735 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Office | All | 1.5860 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Restaurant | All | 5.0909 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Retail | All | 1.0191 |
| Multi-tank Conveyor Dishwasher - Energy Star | New | Warehouse | All | 0.8052 |
| Ozone injection laundry systems | Existing | Education | All | 0.3074 |
| Ozone injection laundry systems | Existing | Grocery | All | 0.0375 |
| Ozone injection laundry systems | Existing | Healthcare | All | 0.1898 |
| Ozone injection laundry systems | Existing | Lodging | All | 0.6283 |
| Ozone injection laundry systems | Existing | Misc. | All | 0.0039 |
| Ozone injection laundry systems | Existing | Office | All | 0.0145 |
| Ozone injection laundry systems | Existing | Restaurant | All | 0.1399 |
| Ozone injection laundry systems | Existing | Retail | All | 0.0088 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Ozone injection laundry systems | Existing | Warehouse | All | 0.0068 |
| Ozone injection laundry systems | New | Education | All | 0.3074 |
| Ozone injection laundry systems | New | Grocery | All | 0.0375 |
| Ozone injection laundry systems | New | Healthcare | All | 0.1898 |
| Ozone injection laundry systems | New | Lodging | All | 0.6283 |
| Ozone injection laundry systems | New | Misc. | All | 0.0039 |
| Ozone injection laundry systems | New | Office | All | 0.0145 |
| Ozone injection laundry systems | New | Restaurant | All | 0.1399 |
| Ozone injection laundry systems | New | Retail | All | 0.0088 |
| Ozone injection laundry systems | New | Warehouse | All | 0.0068 |
| Pool Cover | Existing | Education | All | 1.1190 |
| Pool Cover | Existing | Grocery | All | 0.1140 |
| Pool Cover | Existing | Healthcare | All | 0.3196 |
| Pool Cover | Existing | Lodging | All | 0.3565 |
| Pool Cover | Existing | Misc. | All | 0.0776 |
| Pool Cover | Existing | Office | All | 0.1344 |
| Pool Cover | Existing | Restaurant | All | 0.0229 |
| Pool Cover | Existing | Retail | All | 0.0348 |
| Pool Cover | Existing | Warehouse | All | 0.0748 |
| Pool Cover | New | Education | All | 1.1190 |
| Pool Cover | New | Grocery | All | 0.1140 |
| Pool Cover | New | Healthcare | All | 0.3196 |
| Pool Cover | New | Lodging | All | 0.3565 |
| Pool Cover | New | Misc. | All | 0.0776 |
| Pool Cover | New | Office | All | 0.1344 |
| Pool Cover | New | Restaurant | All | 0.0229 |
| Pool Cover | New | Retail | All | 0.0348 |
| Pool Cover | New | Warehouse | All | 0.0748 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Education | All | 4.6010 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Grocery | All | 0.4738 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Healthcare | All | 1.3254 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Lodging | All | 1.4778 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Misc. | All | 0.3228 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Office | All | 0.5582 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Restaurant | All | 0.0952 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Retail | All | 0.1446 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | Existing | Warehouse | All | 0.3110 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Education | All | 4.6010 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Grocery | All | 0.4738 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Healthcare | All | 1.3254 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Lodging | All | 1.4778 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Misc. | All | 0.3228 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Office | All | 0.5582 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Restaurant | All | 0.0952 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Retail | All | 0.1446 |
| Pool Spa Solar Heat, 79 sf collector area, pool is storage volume | New | Warehouse | All | 0.3110 |
| Recirculation Controls | Existing | Education | All | 2.8919 |
| Recirculation Controls | Existing | Grocery | All | 0.6476 |
| Recirculation Controls | Existing | Healthcare | All | 2.0992 |
| Recirculation Controls | Existing | Lodging | All | 4.1957 |
| Recirculation Controls | Existing | Misc. | All | 0.1505 |
| Recirculation Controls | Existing | Office | All | 0.2530 |
| Recirculation Controls | Existing | Restaurant | All | 3.4759 |
| Recirculation Controls | Existing | Retail | All | 0.1899 |
| Recirculation Controls | Existing | Warehouse | All | 0.2625 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Recirculation Controls | New | Education | All | 5.6808 |
| Recirculation Controls | New | Grocery | All | 1.9656 |
| Recirculation Controls | New | Healthcare | All | 4.7108 |
| Recirculation Controls | New | Lodging | All | 6.8401 |
| Recirculation Controls | New | Misc. | All | 0.5197 |
| Recirculation Controls | New | Office | All | 0.8495 |
| Recirculation Controls | New | Restaurant | All | 6.2540 |
| Recirculation Controls | New | Retail | All | 0.6486 |
| Recirculation Controls | New | Warehouse | All | 0.8791 |
| Refrigeration system superheat recovery DHW | Existing | Education | All | 1.4336 |
| Refrigeration system superheat recovery DHW | Existing | Grocery | All | 0.1947 |
| Refrigeration system superheat recovery DHW | Existing | Healthcare | All | 0.9260 |
| Refrigeration system superheat recovery DHW | Existing | Lodging | All | 2.6142 |
| Refrigeration system superheat recovery DHW | Existing | Misc. | All | 0.0206 |
| Refrigeration system superheat recovery DHW | Existing | Office | All | 0.0760 |
| Refrigeration system superheat recovery DHW | Existing | Restaurant | All | 0.6965 |
| Refrigeration system superheat recovery DHW | Existing | Retail | All | 0.0464 |
| Refrigeration system superheat recovery DHW | Existing | Warehouse | All | 0.0360 |
| Refrigeration system superheat recovery DHW | New | Education | All | 1.4336 |
| Refrigeration system superheat recovery DHW | New | Grocery | All | 0.1947 |
| Refrigeration system superheat recovery DHW | New | Healthcare | All | 0.9260 |
| Refrigeration system superheat recovery DHW | New | Lodging | All | 2.6142 |
| Refrigeration system superheat recovery DHW | New | Misc. | All | 0.0206 |
| Refrigeration system superheat recovery DHW | New | Office | All | 0.0760 |
| Refrigeration system superheat recovery DHW | New | Restaurant | All | 0.6965 |
| Refrigeration system superheat recovery DHW | New | Retail | All | 0.0464 |
| Refrigeration system superheat recovery DHW | New | Warehouse | All | 0.0360 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Education | All | 3.1425 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Grocery | All | 3.1671 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Healthcare | All | 2.7449 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Lodging | All | 2.1725 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Misc. | All | 2.7848 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Office | All | 2.4606 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Restaurant | All | 4.1835 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Retail | All | 2.3950 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Warehouse | All | 1.1588 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Education | All | 3.1425 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Grocery | All | 3.1671 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Healthcare | All | 2.7449 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Lodging | All | 2.1725 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Misc. | All | 2.7848 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Office | All | 2.4606 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Restaurant | All | 4.1835 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Retail | All | 2.3950 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | New | Warehouse | All | 1.1588 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Education | All | 2.2528 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Grocery | All | 2.2718 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Healthcare | All | 1.9492 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Lodging | All | 1.5221 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Misc. | All | 1.9794 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Office | All | 1.7356 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Restaurant | All | 3.0759 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Retail | All | 1.6868 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Warehouse | All | 0.7930 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Education | All | 0.0475 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Grocery | All | 0.0480 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Healthcare | All | 0.0402 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Lodging | All | 0.0304 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Misc. | All | 0.0409 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Office | All | 0.0352 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Restaurant | All | 0.0693 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Retail | All | 0.0341 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | New | Warehouse | All | 0.0150 |
| SolarWall 26ga | Existing | Education | All | 0.7905 |
| SolarWall 26ga | Existing | Grocery | All | 0.7457 |
| SolarWall 26ga | Existing | Healthcare | All | 0.5646 |
| SolarWall 26ga | Existing | Lodging | All | 0.5061 |
| SolarWall 26ga | Existing | Misc. | All | 0.3681 |
| SolarWall 26ga | Existing | Office | All | 0.4404 |
| SolarWall 26ga | Existing | Restaurant | All | 0.4913 |
| SolarWall 26ga | Existing | Retail | All | 0.4937 |
| SolarWall 26ga | Existing | Warehouse | All | 0.3390 |
| SolarWall 26ga | New | Education | All | 0.7905 |
| SolarWall 26ga | New | Grocery | All | 0.7457 |
| SolarWall 26ga | New | Healthcare | All | 0.5646 |
| SolarWall 26ga | New | Lodging | All | 0.5061 |
| SolarWall 26ga | New | Misc. | All | 0.3681 |
| SolarWall 26ga | New | Office | All | 0.4404 |
| SolarWall 26ga | New | Restaurant | All | 0.4913 |
| SolarWall 26ga | New | Retail | All | 0.4937 |
| SolarWall 26ga | New | Warehouse | All | 0.3390 |
| Steam System Efficiency Improvements | Existing | Education | All | 1.0425 |
| Steam System Efficiency Improvements | Existing | Grocery | All | 0.7372 |
| Steam System Efficiency Improvements | Existing | Healthcare | All | 0.6416 |
| Steam System Efficiency Improvements | Existing | Lodging | All | 0.6393 |
| Steam System Efficiency Improvements | Existing | Misc. | All | 0.2579 |
| Steam System Efficiency Improvements | Existing | Office | All | 0.4486 |
| Steam System Efficiency Improvements | Existing | Restaurant | All | 0.2588 |
| Steam System Efficiency Improvements | Existing | Retail | All | 0.4555 |
| Steam System Efficiency Improvements | Existing | Warehouse | All | 0.3790 |
| Steam System Efficiency Improvements | New | Education | All | 1.0425 |
| Steam System Efficiency Improvements | New | Grocery | All | 0.7372 |
| Steam System Efficiency Improvements | New | Healthcare | All | 0.6416 |
| Steam System Efficiency Improvements | New | Lodging | All | 0.6393 |
| Steam System Efficiency Improvements | New | Misc. | All | 0.2579 |
| Steam System Efficiency Improvements | New | Office | All | 0.4486 |
| Steam System Efficiency Improvements | New | Restaurant | All | 0.2588 |
| Steam System Efficiency Improvements | New | Retail | All | 0.4555 |
| Steam System Efficiency Improvements | New | Warehouse | All | 0.3790 |
| Variable Volume Air System | Existing | Education | All | 1.0017 |
| Variable Volume Air System | Existing | Grocery | All | 1.2590 |
| Variable Volume Air System | Existing | Healthcare | All | 0.8612 |
| Variable Volume Air System | Existing | Lodging | All | 0.7028 |
| Variable Volume Air System | Existing | Misc. | All | 0.9214 |
| Variable Volume Air System | Existing | Office | All | 0.7635 |
| Variable Volume Air System | Existing | Restaurant | All | 1.5357 |
| Variable Volume Air System | Existing | Retail | All | 0.9312 |
| Variable Volume Air System | Existing | Warehouse | All | 0.5468 |
| Variable Volume Air System | New | Education | All | 1.0017 |
| Variable Volume Air System | New | Grocery | All | 1.2590 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Variable Volume Air System | New | Healthcare | All | 0.8612 |
| Variable Volume Air System | New | Lodging | All | 0.7028 |
| Variable Volume Air System | New | Misc. | All | 0.9214 |
| Variable Volume Air System | New | Office | All | 0.7635 |
| Variable Volume Air System | New | Restaurant | All | 1.5357 |
| Variable Volume Air System | New | Retail | All | 0.9312 |
| Variable Volume Air System | New | Warehouse | All | 0.5468 |
| Ventilation Hood / Makeup Air | Existing | Education | All | 0.3543 |
| Ventilation Hood / Makeup Air | Existing | Grocery | All | 0.4460 |
| Ventilation Hood / Makeup Air | Existing | Healthcare | All | 0.3044 |
| Ventilation Hood / Makeup Air | Existing | Lodging | All | 0.2482 |
| Ventilation Hood / Makeup Air | Existing | Misc. | All | 0.3258 |
| Ventilation Hood / Makeup Air | Existing | Office | All | 0.2697 |
| Ventilation Hood / Makeup Air | Existing | Restaurant | All | 0.5450 |
| Ventilation Hood / Makeup Air | Existing | Retail | All | 0.3293 |
| Ventilation Hood / Makeup Air | Existing | Warehouse | All | 0.1929 |
| Ventilation Hood / Makeup Air | New | Education | All | 0.3543 |
| Ventilation Hood / Makeup Air | New | Grocery | All | 0.4460 |
| Ventilation Hood / Makeup Air | New | Healthcare | All | 0.3044 |
| Ventilation Hood / Makeup Air | New | Lodging | All | 0.2482 |
| Ventilation Hood / Makeup Air | New | Misc. | All | 0.3258 |
| Ventilation Hood / Makeup Air | New | Office | All | 0.2697 |
| Ventilation Hood / Makeup Air | New | Restaurant | All | 0.5450 |
| Ventilation Hood / Makeup Air | New | Retail | All | 0.3293 |
| Ventilation Hood / Makeup Air | New | Warehouse | All | 0.1929 |
| Wall insulation - Tier 2: Min R-19 | Existing | Education | All | 3.6928 |
| Wall insulation - Tier 2: Min R-19 | Existing | Grocery | All | 3.5248 |
| Wall insulation - Tier 2: Min R-19 | Existing | Healthcare | All | 2.8038 |
| Wall insulation - Tier 2: Min R-19 | Existing | Lodging | All | 2.5551 |
| Wall insulation - Tier 2: Min R-19 | Existing | Misc. | All | 1.9340 |
| Wall insulation - Tier 2: Min R-19 | Existing | Office | All | 2.2657 |
| Wall insulation - Tier 2: Min R-19 | Existing | Restaurant | All | 2.4906 |
| Wall insulation - Tier 2: Min R-19 | Existing | Retail | All | 2.5011 |
| Wall insulation - Tier 2: Min R-19 | Existing | Warehouse | All | 1.7967 |
| Wall insulation - Tier 2: Min R-19 | New | Education | All | 0.4537 |
| Wall insulation - Tier 2: Min R-19 | New | Grocery | All | 0.4274 |
| Wall insulation - Tier 2: Min R-19 | New | Healthcare | All | 0.3221 |
| Wall insulation - Tier 2: Min R-19 | New | Lodging | All | 0.2883 |
| Wall insulation - Tier 2: Min R-19 | New | Misc. | All | 0.2090 |
| Wall insulation - Tier 2: Min R-19 | New | Office | All | 0.2505 |
| Wall insulation - Tier 2: Min R-19 | New | Restaurant | All | 0.2798 |
| Wall insulation - Tier 2: Min R-19 | New | Retail | All | 0.2812 |
| Wall insulation - Tier 2: Min R-19 | New | Warehouse | All | 0.1923 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Education | All | 3.4828 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Grocery | All | 3.3216 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Healthcare | All | 2.6326 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Lodging | All | 2.3960 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Misc. | All | 1.8080 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Office | All | 2.1216 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Restaurant | All | 2.3348 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Retail | All | 2.3448 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | Existing | Warehouse | All | 1.6785 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Education | All | 3.4828 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Grocery | All | 3.3216 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Healthcare | All | 2.6326 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Lodging | All | 2.3960 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Misc. | All | 1.8080 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Office | All | 2.1216 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Restaurant | All | 2.3348 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Retail | All | 2.3448 |
| Wall insulation (Retrofit Only) - Tier 1: Min R-11 | New | Warehouse | All | 1.6785 |
| Windows - Add Argon to Vinyl Lowe | Existing | Education | All | 3.2207 |
| Windows - Add Argon to Vinyl Lowe | Existing | Grocery | All | 3.8633 |
| Windows - Add Argon to Vinyl Lowe | Existing | Healthcare | All | 2.8433 |
| Windows - Add Argon to Vinyl Lowe | Existing | Lodging | All | 2.3926 |
| Windows - Add Argon to Vinyl Lowe | Existing | Misc. | All | 3.0073 |
| Windows - Add Argon to Vinyl Lowe | Existing | Office | All | 2.5685 |
| Windows - Add Argon to Vinyl Lowe | Existing | Restaurant | All | 4.4921 |
| Windows - Add Argon to Vinyl Lowe | Existing | Retail | All | 3.0338 |
| Windows - Add Argon to Vinyl Lowe | Existing | Warehouse | All | 1.9204 |
| Windows - Add Argon to Vinyl Lowe | New | Education | All | 2.7649 |
| Windows - Add Argon to Vinyl Lowe | New | Grocery | All | 3.3528 |
| Windows - Add Argon to Vinyl Lowe | New | Healthcare | All | 2.4256 |
| Windows - Add Argon to Vinyl Lowe | New | Lodging | All | 2.0259 |
| Windows - Add Argon to Vinyl Lowe | New | Misc. | All | 2.5726 |
| Windows - Add Argon to Vinyl Lowe | New | Office | All | 2.1812 |
| Windows - Add Argon to Vinyl Lowe | New | Restaurant | All | 3.9406 |
| Windows - Add Argon to Vinyl Lowe | New | Retail | All | 2.5964 |
| Windows - Add Argon to Vinyl Lowe | New | Warehouse | All | 1.6135 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Education | All | 10.8030 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Grocery | All | 10.5730 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Healthcare | All | 10.9264 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Lodging | All | 11.0639 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Misc. | All | 10.8738 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Office | All | 11.0114 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Restaurant | All | 10.3198 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Retail | All | 10.8651 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Warehouse | All | 11.1975 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Education | All | 10.8030 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Grocery | All | 10.5730 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Healthcare | All | 10.9264 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Lodging | All | 11.0639 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Misc. | All | 10.8738 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Office | All | 11.0114 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Restaurant | All | 10.3198 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Retail | All | 10.8651 |
| Windows - Add Low E and Argon to Vinyl Tint | New | Warehouse | All | 11.1975 |
| Windows - Add Low E to Vinyl Tint | Existing | Education | All | 4.0321 |
| Windows - Add Low E to Vinyl Tint | Existing | Grocery | All | 4.7455 |
| Windows - Add Low E to Vinyl Tint | Existing | Healthcare | All | 3.6003 |
| Windows - Add Low E to Vinyl Tint | Existing | Lodging | All | 3.0714 |
| Windows - Add Low E to Vinyl Tint | Existing | Misc. | All | 3.7891 |
| Windows - Add Low E to Vinyl Tint | Existing | Office | All | 3.2795 |
| Windows - Add Low E to Vinyl Tint | Existing | Restaurant | All | 5.4180 |
| Windows - Add Low E to Vinyl Tint | Existing | Retail | All | 3.8195 |
| Windows - Add Low E to Vinyl Tint | Existing | Warehouse | All | 2.5014 |
| Windows - Add Low E to Vinyl Tint | New | Education | All | 3.3644 |
| Windows - Add Low E to Vinyl Tint | New | Grocery | All | 4.0220 |
| Windows - Add Low E to Vinyl Tint | New | Healthcare | All | 2.9761 |
| Windows - Add Low E to Vinyl Tint | New | Lodging | All | 2.5103 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Windows - Add Low E to Vinyl Tint | New | Misc. | All | 3.1450 |
| Windows - Add Low E to Vinyl Tint | New | Office | All | 2.6924 |
| Windows - Add Low E to Vinyl Tint | New | Restaurant | All | 4.6612 |
| Windows - Add Low E to Vinyl Tint | New | Retail | All | 3.1723 |
| Windows - Add Low E to Vinyl Tint | New | Warehouse | All | 2.0200 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Education | All | 1.5028 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Grocery | All | 1.8791 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Healthcare | All | 1.2958 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Lodging | All | 1.0609 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Misc. | All | 1.3846 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Office | All | 1.1510 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Restaurant | All | 2.2795 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Retail | All | 1.3991 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Warehouse | All | 0.8280 |
| Windows - Non-Tinted AL Code to Class 36 | New | Education | All | 1.4319 |
| Windows - Non-Tinted AL Code to Class 36 | New | Grocery | All | 1.7935 |
| Windows - Non-Tinted AL Code to Class 36 | New | Healthcare | All | 1.2335 |
| Windows - Non-Tinted AL Code to Class 36 | New | Lodging | All | 1.0087 |
| Windows - Non-Tinted AL Code to Class 36 | New | Misc. | All | 1.3185 |
| Windows - Non-Tinted AL Code to Class 36 | New | Office | All | 1.0949 |
| Windows - Non-Tinted AL Code to Class 36 | New | Restaurant | All | 2.1798 |
| Windows - Non-Tinted AL Code to Class 36 | New | Retail | All | 1.3324 |
| Windows - Non-Tinted AL Code to Class 36 | New | Warehouse | All | 0.7864 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Education | All | 2.2575 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Grocery | All | 2.7712 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Healthcare | All | 1.9667 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Lodging | All | 1.6292 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Misc. | All | 2.0921 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Office | All | 1.7597 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Restaurant | All | 3.2975 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Retail | All | 2.1126 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Warehouse | All | 1.2868 |
| Windows - Non-Tinted AL Code to Class 40 | New | Education | All | 2.1835 |
| Windows - Non-Tinted AL Code to Class 40 | New | Grocery | All | 2.6851 |
| Windows - Non-Tinted AL Code to Class 40 | New | Healthcare | All | 1.9003 |
| Windows - Non-Tinted AL Code to Class 40 | New | Lodging | All | 1.5724 |
| Windows - Non-Tinted AL Code to Class 40 | New | Misc. | All | 2.0224 |
| Windows - Non-Tinted AL Code to Class 40 | New | Office | All | 1.6990 |
| Windows - Non-Tinted AL Code to Class 40 | New | Restaurant | All | 3.2009 |
| Windows - Non-Tinted AL Code to Class 40 | New | Retail | All | 2.0423 |
| Windows - Non-Tinted AL Code to Class 40 | New | Warehouse | All | 1.2404 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Education | All | 1.3676 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Grocery | All | 1.7157 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Healthcare | All | 1.1770 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Lodging | All | 0.9616 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Misc. | All | 1.2586 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Office | All | 1.0442 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Restaurant | All | 2.0887 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Retail | All | 1.2720 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Warehouse | All | 0.7490 |
| Windows - Non-Tinted AL Code to Class 45 | New | Education | All | 1.2970 |
| Windows - Non-Tinted AL Code to Class 45 | New | Grocery | All | 1.6301 |
| Windows - Non-Tinted AL Code to Class 45 | New | Healthcare | All | 1.1153 |
| Windows - Non-Tinted AL Code to Class 45 | New | Lodging | All | 0.9102 |
| Windows - Non-Tinted AL Code to Class 45 | New | Misc. | All | 1.1931 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Windows - Non-Tinted AL Code to Class 45 | New | Office | All | 0.9887 |
| Windows - Non-Tinted AL Code to Class 45 | New | Restaurant | All | 1.9881 |
| Windows - Non-Tinted AL Code to Class 45 | New | Retail | All | 1.2058 |
| Windows - Non-Tinted AL Code to Class 45 | New | Warehouse | All | 0.7082 |
| Windows - Tinted AL Code to Class 36 | Existing | Education | All | 1.3154 |
| Windows - Tinted AL Code to Class 36 | Existing | Grocery | All | 1.6524 |
| Windows - Tinted AL Code to Class 36 | Existing | Healthcare | All | 1.1313 |
| Windows - Tinted AL Code to Class 36 | Existing | Lodging | All | 0.9235 |
| Windows - Tinted AL Code to Class 36 | Existing | Misc. | All | 1.2101 |
| Windows - Tinted AL Code to Class 36 | Existing | Office | All | 1.0031 |
| Windows - Tinted AL Code to Class 36 | Existing | Restaurant | All | 2.0144 |
| Windows - Tinted AL Code to Class 36 | Existing | Retail | All | 1.2231 |
| Windows - Tinted AL Code to Class 36 | Existing | Warehouse | All | 0.7188 |
| Windows - Tinted AL Code to Class 36 | New | Education | All | 1.0823 |
| Windows - Tinted AL Code to Class 36 | New | Grocery | All | 1.3675 |
| Windows - Tinted AL Code to Class 36 | New | Healthcare | All | 0.9279 |
| Windows - Tinted AL Code to Class 36 | New | Lodging | All | 0.7548 |
| Windows - Tinted AL Code to Class 36 | New | Misc. | All | 0.9939 |
| Windows - Tinted AL Code to Class 36 | New | Office | All | 0.8210 |
| Windows - Tinted AL Code to Class 36 | New | Restaurant | All | 1.6776 |
| Windows - Tinted AL Code to Class 36 | New | Retail | All | 1.0048 |
| Windows - Tinted AL Code to Class 36 | New | Warehouse | All | 0.5854 |
| Windows - Tinted AL Code to Class 45 | Existing | Education | All | 0.3124 |
| Windows - Tinted AL Code to Class 45 | Existing | Grocery | All | 0.4024 |
| Windows - Tinted AL Code to Class 45 | Existing | Healthcare | All | 0.2651 |
| Windows - Tinted AL Code to Class 45 | Existing | Lodging | All | 0.2132 |
| Windows - Tinted AL Code to Class 45 | Existing | Misc. | All | 0.2852 |
| Windows - Tinted AL Code to Class 45 | Existing | Office | All | 0.2329 |
| Windows - Tinted AL Code to Class 45 | Existing | Restaurant | All | 0.5044 |
| Windows - Tinted AL Code to Class 45 | Existing | Retail | All | 0.2885 |
| Windows - Tinted AL Code to Class 45 | Existing | Warehouse | All | 0.1635 |
| Windows - Tinted AL Code to Class 45 | New | Education | All | 0.0005 |
| Windows - Tinted AL Code to Class 45 | New | Grocery | All | 0.0007 |
| Windows - Tinted AL Code to Class 45 | New | Healthcare | All | 0.0004 |
| Windows - Tinted AL Code to Class 45 | New | Lodging | All | 0.0003 |
| Windows - Tinted AL Code to Class 45 | New | Misc. | All | 0.0005 |
| Windows - Tinted AL Code to Class 45 | New | Office | All | 0.0004 |
| Windows - Tinted AL Code to Class 45 | New | Restaurant | All | 0.0008 |
| Windows - Tinted AL Code to Class 45 | New | Retail | All | 0.0005 |
| Windows - Tinted AL Code to Class 45 | New | Warehouse | All | 0.0003 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Combination Boiler and Hot Water Heater | Early Retirement | FoodMfg | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | FoodMfg | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | LumberWood | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | LumberWood | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | MetalsFab | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | MetalsFab | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | Other | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | Other | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | PaperMfg | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | PaperMfg | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | StoneClayGlass | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Early Retirement | StoneClayGlass | All | 0.2068 |
| Combination Boiler and Hot Water Heater | Turnover | FoodMfg | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | FoodMfg | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | LumberWood | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | LumberWood | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | MetalsFab | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | MetalsFab | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | Other | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | Other | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | PaperMfg | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | PaperMfg | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | StoneClayGlass | All | 0.2557 |
| Combination Boiler and Hot Water Heater | Turnover | StoneClayGlass | All | 0.2557 |
| Direct Fired Radiant Heater | Early Retirement | FoodMfg | All | 3.6702 |
| Direct Fired Radiant Heater | Early Retirement | LumberWood | All | 3.6702 |
| Direct Fired Radiant Heater | Early Retirement | MetalsFab | All | 3.6702 |
| Direct Fired Radiant Heater | Early Retirement | Other | All | 3.6702 |
| Direct Fired Radiant Heater | Early Retirement | PaperMfg | All | 3.6702 |
| Direct Fired Radiant Heater | Early Retirement | StoneClayGlass | All | 3.6702 |
| Direct Fired Radiant Heater | Turnover | FoodMfg | All | 8.5566 |
| Direct Fired Radiant Heater | Turnover | LumberWood | All | 8.5566 |
| Direct Fired Radiant Heater | Turnover | MetalsFab | All | 8.5566 |
| Direct Fired Radiant Heater | Turnover | Other | All | 8.5566 |
| Direct Fired Radiant Heater | Turnover | PaperMfg | All | 8.5566 |
| Direct Fired Radiant Heater | Turnover | StoneClayGlass | All | 8.5566 |
| High Efficiency Condensing Boiler | Early Retirement | FoodMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | FoodMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | FoodMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | FoodMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | LumberWood | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | LumberWood | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | LumberWood | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | LumberWood | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | MetalsFab | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | MetalsFab | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | MetalsFab | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | MetalsFab | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | Other | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | Other | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | Other | All | 0.2080 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| High Efficiency Condensing Boiler | Early Retirement | Other | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | PaperMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | PaperMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | PaperMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | PaperMfg | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | StoneClayGlass | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | StoneClayGlass | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | StoneClayGlass | All | 0.2080 |
| High Efficiency Condensing Boiler | Early Retirement | StoneClayGlass | All | 0.2080 |
| High Efficiency Condensing Boiler | Turnover | FoodMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | FoodMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | FoodMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | FoodMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | LumberWood | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | LumberWood | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | LumberWood | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | LumberWood | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | MetalsFab | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | MetalsFab | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | MetalsFab | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | MetalsFab | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | Other | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | Other | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | Other | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | Other | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | PaperMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | PaperMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | PaperMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | PaperMfg | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | StoneClayGlass | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | StoneClayGlass | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | StoneClayGlass | All | 0.2602 |
| High Efficiency Condensing Boiler | Turnover | StoneClayGlass | All | 0.2602 |
| High Efficiency Condensing Furnace | Early Retirement | FoodMfg | All | 0.6556 |
| High Efficiency Condensing Furnace | Early Retirement | LumberWood | All | 0.6556 |
| High Efficiency Condensing Furnace | Early Retirement | MetalsFab | All | 0.6556 |
| High Efficiency Condensing Furnace | Early Retirement | Other | All | 0.6556 |
| High Efficiency Condensing Furnace | Early Retirement | PaperMfg | All | 0.6556 |
| High Efficiency Condensing Furnace | Early Retirement | StoneClayGlass | All | 0.6556 |
| High Efficiency Condensing Furnace | Turnover | FoodMfg | All | 1.8014 |
| High Efficiency Condensing Furnace | Turnover | LumberWood | All | 1.8014 |
| High Efficiency Condensing Furnace | Turnover | MetalsFab | All | 1.8014 |
| High Efficiency Condensing Furnace | Turnover | Other | All | 1.8014 |
| High Efficiency Condensing Furnace | Turnover | PaperMfg | All | 1.8014 |
| High Efficiency Condensing Furnace | Turnover | StoneClayGlass | All | 1.8014 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | FoodMfg | All | 0.8255 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | LumberWood | All | 0.8255 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | MetalsFab | All | 0.8255 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | Other | All | 0.8255 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | PaperMfg | All | 0.8255 |
| High Efficiency Condensing Unit Heater 92% AFUE | Early Retirement | StoneClayGlass | All | 0.8255 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | FoodMfg | All | 0.7701 |
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | LumberWood | All | 0.7701 |
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | MetalsFab | All | 0.7701 |
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | Other | All | 0.7701 |
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | PaperMfg | All | 0.7701 |
| High Efficiency Condensing Unit Heater 92% AFUE | Turnover | StoneClayGlass | All | 0.7701 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | FoodMfg | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | LumberWood | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | MetalsFab | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | Other | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | PaperMfg | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Early Retirement | StoneClayGlass | All | 0.6691 |
| High Efficiency Non-Condensing Unit Heater | Turnover | FoodMfg | All | 0.4516 |
| High Efficiency Non-Condensing Unit Heater | Turnover | LumberWood | All | 0.4516 |
| High Efficiency Non-Condensing Unit Heater | Turnover | MetalsFab | All | 0.4516 |
| High Efficiency Non-Condensing Unit Heater | Turnover | Other | All | 0.4516 |
| High Efficiency Non-Condensing Unit Heater | Turnover | PaperMfg | All | 0.4516 |
| High Efficiency Non-Condensing Unit Heater | Turnover | StoneClayGlass | All | 0.4516 |
| Process Heating: High Efficiency Furance | Early Retirement | FoodMfg | All | 0.6556 |
| Process Heating: High Efficiency Furance | Early Retirement | LumberWood | All | 0.6556 |
| Process Heating: High Efficiency Furance | Early Retirement | MetalsFab | All | 0.6556 |
| Process Heating: High Efficiency Furance | Early Retirement | Other | All | 0.6556 |
| Process Heating: High Efficiency Furance | Early Retirement | PaperMfg | All | 0.6556 |
| Process Heating: High Efficiency Furance | Early Retirement | StoneClayGlass | All | 0.6556 |
| Process Heating: High Efficiency Furance | Turnover | FoodMfg | All | 1.8014 |
| Process Heating: High Efficiency Furance | Turnover | LumberWood | All | 1.8014 |
| Process Heating: High Efficiency Furance | Turnover | MetalsFab | All | 1.8014 |
| Process Heating: High Efficiency Furance | Turnover | Other | All | 1.8014 |
| Process Heating: High Efficiency Furance | Turnover | PaperMfg | All | 1.8014 |
| Process Heating: High Efficiency Furance | Turnover | StoneClayGlass | All | 1.8014 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Boiler Power Burner | Existing | FoodMfg | All | 0.4056 |
| Boiler Power Burner | Existing | LumberWood | All | 0.4056 |
| Boiler Power Burner | Existing | MetalsFab | All | 0.4056 |
| Boiler Power Burner | Existing | Other | All | 0.4056 |
| Boiler Power Burner | Existing | PaperMfg | All | 0.4056 |
| Boiler Power Burner | Existing | StoneClayGlass | All | 0.4056 |
| Boiler Repair/Maintenance | Existing | FoodMfg | All | 0.1038 |
| Boiler Repair/Maintenance | Existing | LumberWood | All | 0.1038 |
| Boiler Repair/Maintenance | Existing | MetalsFab | All | 0.1038 |
| Boiler Repair/Maintenance | Existing | Other | All | 0.1038 |
| Boiler Repair/Maintenance | Existing | PaperMfg | All | 0.1038 |
| Boiler Repair/Maintenance | Existing | StoneClayGlass | All | 0.1038 |
| Boiler Stack Economizer | Existing | FoodMfg | All | 0.4382 |
| Boiler Stack Economizer | Existing | LumberWood | All | 0.4382 |
| Boiler Stack Economizer | Existing | MetalsFab | All | 0.4382 |
| Boiler Stack Economizer | Existing | Other | All | 0.4382 |
| Boiler Stack Economizer | Existing | PaperMfg | All | 0.4382 |
| Boiler Stack Economizer | Existing | StoneClayGlass | All | 0.4382 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | FoodMfg | All | 0.2948 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | LumberWood | All | 0.2948 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | MetalsFab | All | 0.2948 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | Other | All | 0.2948 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | PaperMfg | All | 0.2948 |
| Boiler Steam Trap - min. 300 kBtu in, pressure of 7 psig or > | Existing | StoneClayGlass | All | 0.2948 |
| Boiler vent damper - min. 1000 kBtu input | Existing | FoodMfg | All | 0.4189 |
| Boiler vent damper - min. 1000 kBtu input | Existing | LumberWood | All | 0.4189 |
| Boiler vent damper - min. 1000 kBtu input | Existing | MetalsFab | All | 0.4189 |
| Boiler vent damper - min. 1000 kBtu input | Existing | Other | All | 0.4189 |
| Boiler vent damper - min. 1000 kBtu input | Existing | PaperMfg | All | 0.4189 |
| Boiler vent damper - min. 1000 kBtu input | Existing | StoneClayGlass | All | 0.4189 |
| Demand Controlled Ventilation | Existing | FoodMfg | All | 2.8553 |
| Demand Controlled Ventilation | Existing | LumberWood | All | 2.8553 |
| Demand Controlled Ventilation | Existing | MetalsFab | All | 2.8553 |
| Demand Controlled Ventilation | Existing | Other | All | 2.8553 |
| Demand Controlled Ventilation | Existing | PaperMfg | All | 2.8553 |
| Demand Controlled Ventilation | Existing | StoneClayGlass | All | 2.8553 |
| Duct Sealing and Insulation | Existing | FoodMfg | All | 0.3753 |
| Duct Sealing and Insulation | Existing | LumberWood | All | 0.3753 |
| Duct Sealing and Insulation | Existing | MetalsFab | All | 0.3753 |
| Duct Sealing and Insulation | Existing | Other | All | 0.3753 |
| Duct Sealing and Insulation | Existing | PaperMfg | All | 0.3753 |
| Duct Sealing and Insulation | Existing | StoneClayGlass | All | 0.3753 |
| HVAC Controls | Existing | FoodMfg | All | 0.2902 |
| HVAC Controls | Existing | LumberWood | All | 0.2902 |
| HVAC Controls | Existing | MetalsFab | All | 0.2902 |
| HVAC Controls | Existing | Other | All | 0.2902 |
| HVAC Controls | Existing | PaperMfg | All | 0.2902 |
| HVAC Controls | Existing | StoneClayGlass | All | 0.2902 |
| HVAC System Commissioning | Existing | FoodMfg | All | 0.8250 |
| HVAC System Commissioning | Existing | LumberWood | All | 0.8250 |
| HVAC System Commissioning | Existing | MetalsFab | All | 0.8250 |
| HVAC System Commissioning | Existing | Other | All | 0.8250 |
| HVAC System Commissioning | Existing | PaperMfg | All | 0.8250 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| HVAC System Commissioning | Existing | StoneClayGlass | All | 0.8250 |
| Improved Process Heating Controls | Existing | FoodMfg | All | 14.1105 |
| Improved Process Heating Controls | Existing | LumberWood | All | 14.1106 |
| Improved Process Heating Controls | Existing | MetalsFab | All | 14.1105 |
| Improved Process Heating Controls | Existing | Other | All | 14.1109 |
| Improved Process Heating Controls | Existing | PaperMfg | All | 14.1104 |
| Improved Process Heating Controls | Existing | StoneClayGlass | All | 14.1103 |
| Optimized Furnace Operations/Improved O&M | Existing | FoodMfg | All | 16.3786 |
| Optimized Furnace Operations/Improved O&M | Existing | LumberWood | All | 16.3789 |
| Optimized Furnace Operations/Improved O&M | Existing | MetalsFab | All | 16.3788 |
| Optimized Furnace Operations/Improved O&M | Existing | Other | All | 16.3771 |
| Optimized Furnace Operations/Improved O&M | Existing | PaperMfg | All | 16.3794 |
| Optimized Furnace Operations/Improved O&M | Existing | StoneClayGlass | All | 16.3778 |
| Refrigeration system superheat recovery | Existing | FoodMfg | All | 0.0372 |
| Refrigeration system superheat recovery | Existing | LumberWood | All | 0.0372 |
| Refrigeration system superheat recovery | Existing | MetalsFab | All | 0.0372 |
| Refrigeration system superheat recovery | Existing | Other | All | 0.0372 |
| Refrigeration system superheat recovery | Existing | PaperMfg | All | 0.0372 |
| Refrigeration system superheat recovery | Existing | StoneClayGlass | All | 0.0372 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | FoodMfg | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | LumberWood | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | MetalsFab | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | Other | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | PaperMfg | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 1: Min R-30 | Existing | StoneClayGlass | All | 1.2384 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | FoodMfg | All | 0.8357 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | LumberWood | All | 0.8357 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | MetalsFab | All | 0.8357 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | Other | All | 0.8357 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | PaperMfg | All | 0.8357 |
| Roof insulation (retrofit only) - Tier 2: Min R-45 | Existing | StoneClayGlass | All | 0.8357 |
| Space Heating O&M | Existing | FoodMfg | All | 0.8088 |
| Space Heating O&M | Existing | LumberWood | All | 0.8088 |
| Space Heating O&M | Existing | MetalsFab | All | 0.8088 |
| Space Heating O&M | Existing | Other | All | 0.8088 |
| Space Heating O&M | Existing | PaperMfg | All | 0.8088 |
| Space Heating O&M | Existing | StoneClayGlass | All | 0.8088 |
| Steam System Efficiency Improvements | Existing | FoodMfg | All | 0.4009 |
| Steam System Efficiency Improvements | Existing | LumberWood | All | 0.4009 |
| Steam System Efficiency Improvements | Existing | MetalsFab | All | 0.4009 |
| Steam System Efficiency Improvements | Existing | Other | All | 0.4009 |
| Steam System Efficiency Improvements | Existing | PaperMfg | All | 0.4009 |
| Steam System Efficiency Improvements | Existing | StoneClayGlass | All | 0.4009 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | FoodMfg | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | LumberWood | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | MetalsFab | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | Other | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | PaperMfg | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 1: Min R-11 | Existing | StoneClayGlass | All | 1.8303 |
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | FoodMfg | All | 1.9683 |
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | LumberWood | All | 1.9683 |
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | MetalsFab | All | 1.9683 |
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | Other | All | 1.9683 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | PaperMfg | All | 1.9683 |
| Wall insulation (retrofit only) - Tier 2: Min R-19 | Existing | StoneClayGlass | All | 1.9683 |
| Waste Water Heat Exchanger | Existing | FoodMfg | All | 0.0299 |
| Waste Water Heat Exchanger | Existing | LumberWood | All | 0.0299 |
| Waste Water Heat Exchanger | Existing | MetalsFab | All | 0.0299 |
| Waste Water Heat Exchanger | Existing | Other | All | 0.0299 |
| Waste Water Heat Exchanger | Existing | PaperMfg | All | 0.0299 |
| Waste Water Heat Exchanger | Existing | StoneClayGlass | All | 0.0299 |
| Windows - Add Argon to Vinyl Lowe | Existing | FoodMfg | All | 2.1575 |
| Windows - Add Argon to Vinyl Lowe | Existing | LumberWood | All | 2.1575 |
| Windows - Add Argon to Vinyl Lowe | Existing | MetalsFab | All | 2.1575 |
| Windows - Add Argon to Vinyl Lowe | Existing | Other | All | 2.1575 |
| Windows - Add Argon to Vinyl Lowe | Existing | PaperMfg | All | 2.1575 |
| Windows - Add Argon to Vinyl Lowe | Existing | StoneClayGlass | All | 2.1575 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | FoodMfg | All | 14.3420 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | LumberWood | All | 14.3420 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | MetalsFab | All | 14.3420 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | Other | All | 14.3420 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | PaperMfg | All | 14.3420 |
| Windows - Add Low E and Argon to Vinyl Tint | Existing | StoneClayGlass | All | 14.3420 |
| Windows - Add Low E to Vinyl Tint | Existing | FoodMfg | All | 2.8975 |
| Windows - Add Low E to Vinyl Tint | Existing | LumberWood | All | 2.8975 |
| Windows - Add Low E to Vinyl Tint | Existing | MetalsFab | All | 2.8975 |
| Windows - Add Low E to Vinyl Tint | Existing | Other | All | 2.8975 |
| Windows - Add Low E to Vinyl Tint | Existing | PaperMfg | All | 2.8975 |
| Windows - Add Low E to Vinyl Tint | Existing | StoneClayGlass | All | 2.8975 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | FoodMfg | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | LumberWood | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | MetalsFab | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | Other | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | PaperMfg | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 36 | Existing | StoneClayGlass | All | 0.8804 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | FoodMfg | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | LumberWood | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | MetalsFab | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | Other | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | PaperMfg | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 40 | Existing | StoneClayGlass | All | 1.3997 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | FoodMfg | All | 0.7933 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | LumberWood | All | 0.7933 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | MetalsFab | All | 0.7933 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | Other | All | 0.7933 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | PaperMfg | All | 0.7933 |
| Windows - Non-Tinted AL Code to Class 45 | Existing | StoneClayGlass | All | 0.7933 |
| Windows - Tinted AL Code to Class 36 | Existing | FoodMfg | All | 0.7602 |
| Windows - Tinted AL Code to Class 36 | Existing | LumberWood | All | 0.7602 |
| Windows - Tinted AL Code to Class 36 | Existing | MetalsFab | All | 0.7602 |
| Windows - Tinted AL Code to Class 36 | Existing | Other | All | 0.7602 |
| Windows - Tinted AL Code to Class 36 | Existing | PaperMfg | All | 0.7602 |
| Windows - Tinted AL Code to Class 36 | Existing | StoneClayGlass | All | 0.7602 |
| Windows - Tinted AL Code to Class 45 | Existing | FoodMfg | All | 0.1684 |
| Windows - Tinted AL Code to Class 45 | Existing | LumberWood | All | 0.1684 |
| Windows - Tinted AL Code to Class 45 | Existing | MetalsFab | All | 0.1684 |

| Description | Vintage | Segment | Climate Zone | B/c Ratio |
|---|---|---|---|---|
| Windows - Tinted AL Code to Class 45 | Existing | Other | All | 0.1684 |
| Windows - Tinted AL Code to Class 45 | Existing | PaperMfg | All | 0.1684 |
| Windows - Tinted AL Code to Class 45 | Existing | StoneClayGlass | All | 0.1684 |

# Cascade Natural Gas Corporation
# Conservation Plan 2017
# Appendix B - Outreach

# Community Energy Challenge & CEC Partnership

Smart Energy
Simple Steps
Serious Savings

**January 5th, 2016**

**To**: Monica Cowlishaw
Manager, Energy Efficiency & Community Outreach
Cascade Natural Gas Corporation

**CC**: Kary Burin

**From**: Jeff Aslan
Energy Program Manager
Sustainable Connections

Ross Quigley
Manager
Community Energy Challenge
Opportunity Council

Monica,

To keep our request for sponsorship for the Community Energy Challenge simple, Sustainable Connections (SC) and the Opportunity Council (OC) are submitting this comprehensive partnership proposal to Cascade Natural Gas (CNGC). We are proposing to support CNGC's natural gas saving goals with several specific targeted efforts that produce measureable results while providing the company with positive exposure as a business and sustainability leader in Whatcom, Skagit and Island Counties. SC, OC and CNGC share the goals of increasing the uptake of energy efficient practices and technologies. Your support is integral to our success.

I just wanted to give you a quick update on SC's energy program sponsorship and the work that we've done to date with the Community Energy Challenge. Here are a couple of things that are coming up soon and a list of the exposure that CNGC has received so far this year. As always, let me know if you have any questions.

**Proposed 2016 partnership elements – Total cost: $6,000**

1) **Sustainable Connections Energy Program Support - $3,000**

Sustainable Connections' Energy program operates the commercial energy services program helping small businesses in Whatcom, Skagit and Island counties with making energy efficiency improvements. Through this program we help businesses identify and implement a variety of types of energy efficiency projects, many of which are rebate-eligible natural gas efficiency measures. In 2015 we had the following successes:

- We have sent out reports to 63 new businesses that had energy assessments through the CEC in 2015 so far. Each of these businesses receives a customized report detailing all of our recommended measures to save energy along with links to CNGC's rebates and CNGC's logo on it.
- We have advised dozens of clients and contractors on the availability of CNGC's prescriptive rebates and have submitted numerous projects for potential custom rebates. We expect many of these clients to commit to projects in 2016.
- In 2015, we obtained a CNGC rebate for Fountain Laundry to replace its commercial washers, saving 1080 therms, and also for the Table to get a new gas fryer, saving 548 therms.
- We have dozens of business clients who implemented gas savings measures in 2015 for which there is not currently a CNGC rebate. Examples include high efficiency boilers under 300 kBtu input, adding programmable thermostats, fixing stuck open economizers, and air sealing projects. It is difficult to quantify the exact savings achieved without a utility program to account for these measures, but a list of completed measures in 2015 could be generated from our database.
- We display CNGC's logo on our printed marketing materials, social media and during events, reaching many CNGC customers looking for smart ways to upgrade their systems. A detailed list of sponsorship benefits is available here: http://sustainableconnections.org/membership/sponsorship-2016/why-partner

**Coming Up:**

- We will be hiring additional staff to conduct more energy assessments in 2016
- We have many projects that are at the feasibility stage that we hope to finalize in 2016 including weatherization projects and boiler upgrades that would qualify for CNGC's rebates
- We can distribute CNGC's Energy Savings Kits to commercial customers and track implementation.

**2) Opportunity Council Community Energy Challenge Residential Program Support- $3,000**

These funds will be utilized to support the continuing operation of the residential one-stop-shop, which is offering services not only in Whatcom but also Skagit and Island Counties as well.

Cascade Natural Gas's logo will continue to be included on residential outreach materials, and CNGC will continue to be recognized as a partner in OC presentations about the CEC.

OC Staff will provide individualized assistance with accessing CNGC's rebate programs. To date, more than 2,000 residential customers have received assessments through the CEC with many thousands more receiving targeted outreach materials. More than 1,200 households receiving the assessment implemented at least one major recommended measure through the program (greater than 50% of those receiving assessments). Furthermore, our survey results show that about 1/4 of households that received the

assessment made energy efficiency improvements outside of the CEC, but based on our recommendations. Many of these improvements have been heating system replacements involving CNGC rebates.

Between October 2014 and October 2015 the CEC completed 92 projects where CNGC provided the primary heat source. These projects accessed an estimated $27,000 in rebates from CNGC.

On average, the CEC is able to reduce homeowners estimated energy consumption by ~21%. This is the equivalent of $470 of savings annually (includes gas and electricity). CNGC's funding for this program is leveraged by both Washington State Community Energy Efficiency Program funding and Northwest Clean Air Agency Greenhouse Gas Mitigation Program funding.

In 2016, the residential program expects to be completing the majority of the work for three new pilot programs: a 2-project multi-family weatherization pilot, a 12-project lower-to-moderate income weatherization pilot, and a 3-project toward net-zero retrofit pilot. All of these, where gas heat is the existing condition, should be great opportunities to feature the CNGC conservation program.

***Your support is an important part of our success. Thank you again.***

Sincerely,

Jeff Aslan
Energy Program Manager
Sustainable Connections

Ross Quigley
Manager
Community Energy Challenge
Opportunity Council

# Sustainable Living Center Partnership

SustainableLivingCenter
500 Tausick Way, Walla Walla, WA 99362 · Telephone 509.524.5218 · Fax 509.524.5209. Email info@sustainablelivingcenter.com

# Cascade Natural Gas Custom Sponsorship 2016

Sustainable Living Center (SLC) values the partnership of Cascade Natural Gas in promoting SLC efforts and providing technical, in-kind, and financial support to SLC. In return, SLC provides brand promotion, consumer education and awareness, and quality control inspections. SLC provides an extension of CNG conservation efforts for the Walla Walla Valley. This document provides an outline of a custom sponsorship agreement between CNG Conservation efforts and SLC.

1. **Brand Promotion:** In outreach and recognition materials, SLC promotes the CNG brand. Examples include the SLC Website, Community Energy Efficiency Program Resource Guide, SLC Public Workshop Series handouts and promotional materials as applicable.
2. **Consumer Education and Awareness:** Our customers rely on us and our approved contractors to help them make decisions on upgrades for their homes. Part of our responsibility lies in ensuring customers receive education about their options, are aware of rebates that may be available, and provide them with the tools necessary to successfully navigate the rebate process.
3. **Quality Control Inspections:** QC is a necessary component of any weatherization program. In addition to qualifying a residence for upgrades, quality control inspections provide validation for the program recommendations as well as ensure the work is completed to program standards. While SLC conducts QC for the CEEP program, it has the capacity to provide CNG specific inspections at residences specified by CNG also.

To further quantify these components, SLC will provide the following:

- Logo displayed on back page of the 2015-2016 CEEP Informational Handout as a Sponsor/partner.
    - Platinum Sponsor - $2,500.00
    - Gold Sponsor - $1,500.00
    - Silver Sponsor - $750.00
- Logo displayed on 2016 SLC Public Workshop Series advertising and brochures, including lecture handouts (14 workshops planned).
- Logo placed on our 2016 Sponsor Banner displayed at outreach events such as Fourth of July in the Park, Ducky Derby, Your Green Life Festival, Diversity Day, and similar community events.
- Logo displayed on a sponsor Thank you/recognition banner at our Builders ReSupply store.
- Company description/logo, and link to partner website from the SLC website
- SLC BPI certified auditors and office staff will provide consumers with information about CNG rebates and offers as well as providing each customer with a copy of the 2015-2016 CEEP Informational Handout which provides all information needed to apply for eligible rebates as

SustainableLivingCenter
500 Tausick Way, Walla Walla, WA 99362 · Telephone 509.524.5218 · Fax 509.524.5209. Email info@sustainablelivingcenter.com

well as tips and resources to navigate the CEEP process. Informational Handout will include a full page (5.5" x 8") of CNG developed content.

- SLC office staff will assist customers who need additional help in completing rebates or who have additional questions.
- SLC offers CNG customers CNG's Energy Savings Kits at the WEC office and at training and outreach events as applicable
- Quality Control efforts-CNG specified addresses and/or optional SLC provided addresses. See current MOU for pricing and details.

SLC may also assist with CNG initiatives, building relationships, and other less tangible activities as is appropriate and within its capacity.

Changes to this agreement may be made at any time and this agreement does not constitute a contract. It is the goal of SLC to provide a quality partnership that will be mutually beneficial to SLC and CNG, as well as providing enhanced services to our mutual customers.
For questions or additional information please contact us at info@sustainablelivingcenter.com or via phone (509)524-5218.

# GUEP Co-branded Bill Insert 2016

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

GEORGETOWN UNIVERSITY ENERGY PRIZE

**ANACORTES, WA | BELLINGHAM, WA | BEND, OR | WALLA WALLA, WA**

Cascade is proud to partner with four city-finalists in a national two year, **$5 million prize** competition to reduce energy use through ingenuity and community wide engagement. **Find out how you can get involved!**

**Are you a Washington residential customer and ready to reduce your energy usage? Upgrade to high-efficiency appliances, install insulation and claim your Cascade rebate.**

**Cascade Natural Gas Corporation Residential Rebates***:

**High-Efficiency Natural Gas Combined Domestic Hot Water and Hydronic Space Heating**
AFUE 90%+ - **$825**

**High-Efficiency Natural Gas Furnace**
AFUE 95%+ - **$250**

**High-Efficiency Natural Gas Fireplace**
FE .70+/ AFUE 80%+ - **$150/$250**

**Condensing High-Efficiency Natural Gas Tankless Water Heater**
EF 0.91+ - **$150**

**Whole House Residential Air Sealing**
Equal to or less than 0.0003 Specific Leakage Area through pre and post blower door testing - **$100**

**Wall Insulation**
≥ R-11 or fill cavity - **$.35/sqft**

**Floor Insulation**
≥ R-30 or fill cavity to min. R-19 - **$0.30/sqft**

**Ceiling or Attic**
≥ R-38 - **$.30/sqft**

**And don't forget about our FREE Energy Savings Kits! Apply online today.**

***Visit:* www.cngc.com/conservation | *Call:* 1-866-626-4479**

**Additional restrictions and minimum equipment specifications apply, contact us for details.*
*AFUE : Annual Fuel Utilization Efficiency | FE: Fireplace Efficiency | EF: Energy Factor*

**Washington**: Contact Cascade Natural Gas Corp. for information on natural gas commercial and residential conservation incentives.

**Visit:** www.cngc.com/conservation
**Call:** 1-866-626-4479

**Oregon:** Contact Energy Trust of Oregon for information on natural gas commercial and residential conservation incentives.

**Visit:** www.energytrust.org
**Call:** 1-866-368-7878

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

**Good luck to all of our city-finalists!**

# BEND

**DO JUST ONE THING**

Your local guide to starting small—and going big.

Our team of energy heroes can get really big things done (maybe even $5 million big!), if we all work together to reduce our energy use.

It's true! Making one change each month can have a big impact in the amount of energy that you use (or don't use). It's easy. And it all starts with you. So come on! Let's do your thing!

See how you can start saving by doing just one thing a month.

THE BEND ENERGY CHALLENGE

www.BendEnergyChallenge.org

# WALLA WALLA

**$5 MILLION IS ON THE LINE!**

**JOIN IN WITH WALLA WALLA POWER PLAY!**

**YOU CAN:**

- Save money on your utility bills
- Improve the comfort in your home
- Win Big! City of Walla Walla residents can compete for a $1,000 cash prize
- Play BINGO! Earn a chance to WIN awesome prizes in the monthly BINGO drawings
- Help Walla Walla win the $5 million Georgetown University Energy Prize (www.guep.org)
- Reduce your environmental footprint
  - Set a great example for your family & friends
    - Improve our communities' quality of life

Walla Walla Power Play
Save Energy & Save Money

SustainableLivingCenter.com

# ANACORTES

**Celebrate Earth Day by doing your part to save energy and help Anacortes win $5,000,000!**

**All you have to do to win is lose!** We're here to help you find the best ways to reduce your bills, improve your home's comfort and give the Earth a clean, green future by saving energy in your home.

The energy you never need to use is the cleanest energy there is! Visit our Bayshore Office on 6th & Commercial to see what programs are best for you.

Anacortes Community Energy
www.acechallenge.org

www.AceChallenge.org

# BELLINGHAM

**WE NEED YOUR HELP!**

Bellingham is currently tied for 4th place in a competition to save energy. The winning city receives $5 million and we're asking for your help.

**NOT SURE WHAT YOU CAN DO?**

Visit BellinghamEnergyPrize.org for simple steps and expert help. From the smallest reminders like shortening your showers to big projects like installing solar panels, the website contains helpful information for you to save energy right now!

Kilowatt Kitty SAYS
Start Saving! Right Meow!

BellinghamEnergyPrize.org

# CIP focused Coloring Book Cover 2016

# Contact us to learn more!

To learn more about earning rebates on qualifying high-efficiency natural gas upgrades, visit us online at

**www.cngc.com/conservation**

or call **866.626.4479**

To learn more about Natural Gas, visit

**www.safeathomewithleo.com**

811 Know what's **below.** **Call** before you dig.

CASCADE NATURAL GAS CORPORATION®

*A Subsidiary of MDU Resources Group, Inc.*

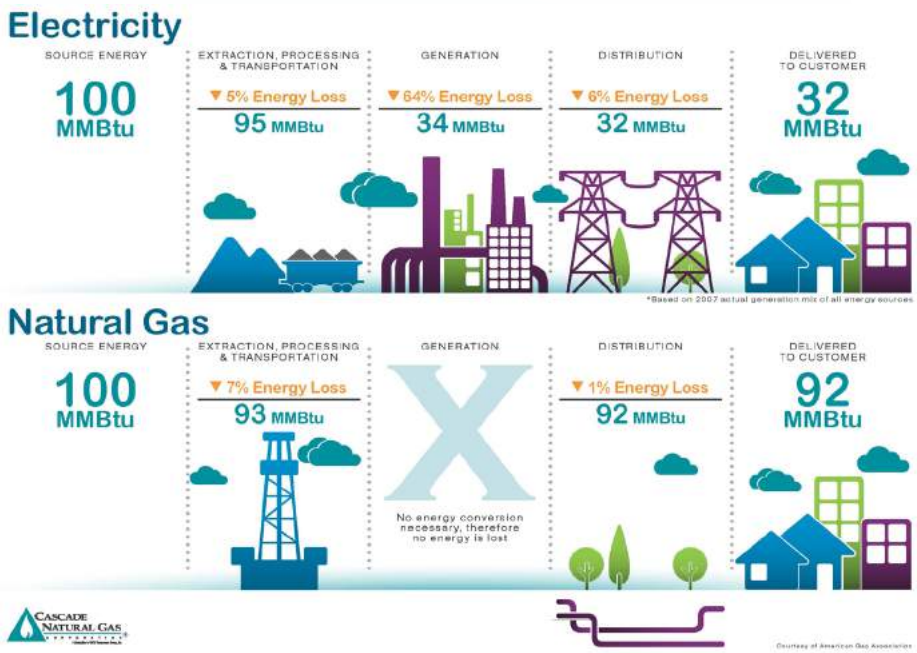
*In the Community to Serve®*

# Did you know?

e ancient Chinese were the
rst to discover underground
deposits of natural gas. In 600
Confucius wrote of wells 100
deep. The Chinese piped the gas
where it was needed through
hollow bamboo poles*

Around the 1st
century the King of
Persia (Iran) built his kitchen
in his palace around a natural g
ame that had been ignited b
lightning. It was probably the
rst real use of natural gas in a hom*

*For more cool facts about natural gas, visit: cngc.e-smartonline.net




**Use natural gas because less is lost getting to your home!**

# Hey Parents!

# Cascade
## cares about
## Energy-Efficiency

**What are some ways you can help the environment?**

Earn money back
while lowering your
energy bills with rebate
on qualifying natural ga
high-efficiency upgrades!

**Here's one way to help -**
**Replace a wood burning fireplace with a natural gas hearth. They are better for air quality both inside and outside your home!**

**Here's another -**
**Conserve the energy you use!**

## Have your parents check out our rebate!

High-Efficiency Natural Gas Fireplace
FE 70%, AFUE 8% - > 51/50/52

High-Efficiency Natural Gas Furnace, 9% AFUE - > 52

Conventional High-Efficiency

[illegible]

Condensing High-Efficiency Natural Gas

[illegible]

Energy Star Certified or Built Green Certified Homes, $50

Doors, Insulation, Air Sealing, and more!

# Energy Experience Handout

*The use of natural gas comes with an obligation to promote safety and efficient energy consumption through responsible environmental stewardship.*

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

## *Important Safety Tips to Remember:*

Natural gas has a combustible range from 5% to 15% gas to air mixture. Although explosions are extremely rare, you can help prevent them by playing it safe around natural gas.

*In order to detect natural gas leaks you can follow your senses.*

**Smell**

- Natural gas in its natural state does not smell
- Natural gas companies add a chemical called mercaptan that smells like sulfur or rotten eggs to help detect leaks

**Sight**

- Bubbles rising in a puddle or other pool of liquid
- Dust or dirt blowing from a hole in the ground
- Dead or dying vegetation in unexpected locations

**Hearing**

- Hissing (small perforation) or roaring (large break)

If you suspect a natural gas leak follow the below steps.

1. Evacuate the building or leave the area where leak is suspected.
2. Ask your parent or an adult to call 911 or Cascade Natural Gas Corporation (CNGC) at 1-888-522-1130. Do not use your cell phone or landlines anywhere near the leak to call.
3. Don't do anything that would create a spark around the leak, such as flipping a light switch or using a garage door opener.
4. Cascade Natural Gas will come out and investigate the leak free of charge.
5. Do not re-enter the structure until the gas company representative says it's okay.

Help prevent leaks! Remind your parents and neighbors to always call 811 before they dig in their yard to have their underground utilities marked.

*Contact CNGC for info on the safe & efficient use of natural gas at home.*

811® Know what's **below.** **Call** before you dig.

**1-888-522-1130**

**WWW.CNGC.COM**

# Promote Energy-Efficiency

Natural gas can be used in a variety of ways - fireplaces, cooking, water heating, and space heating just to name a few. If your home has natural gas, it's a great time to encourage high-efficiency upgrades and low cost/no cost actions you can take to reduce overall energy use. Here area a few tips to reducing your usage:

- Remove obstructions - Keep airways and ducts free flowing and change furnace filters regularly
- Use drapes effectively - Open drapes during the day to absorb the sun's warmth then close them at night
- Set the stage - Set programmable thermostats between 65-70 , reduce temps when away and at night
- Reduce waste - Use less hot water (Cascade has free energy savings kit, contact us for details)
- Caulk & weather strip doors & windows - An efficient and inexpensive way to lower your heating bills
- Upgrade a home's insulation and appliances to high-efficiency options

Remind friends and family that CNGC offers rebates for upgrading to qualified natural gas high-efficiency measures including furnaces, fireplaces, insulation and more. Check out our website for current offers.

# The ins and outs of Natural Gas

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| K | B | I | O | F | U | E | L | B | A | M | M | A | L | F | M | P | R | E | K | C | J | Z | U | O | B | W | H | M | F |
| L | U | S | A | G | L | A | R | U | T | A | N | V | T | L | C | E | F | D | A | E | U | Q | U | M | Z | E | H | T | O |
| G | C | M | R | P | T | P | D | H | E | T | U | Y | Z | J | J | E | T | N | I | L | Z | B | I | J | M | F | E | T | S |
| W | O | E | E | X | O | M | E | T | H | A | N | E | M | G | G | G | G | E | L | U | H | T | I | S | A | B | N | V | S |
| D | N | R | T | W | J | R | A | R | K | D | N | A | M | E | D | F | B | N | R | E | J | Z | U | C | A | U | V | R | I |
| B | S | C | A | A | M | R | O | P | A | V | G | B | L | J | U | Z | I | A | A | N | I | P | N | O | F | X | I | L | L |
| M | E | A | W | O | G | P | Z | U | F | S | L | B | S | R | S | C | R | T | Q | R | W | B | D | G | K | O | R | V | F |
| N | R | P | S | I | O | Y | G | V | S | K | A | R | N | Y | Y | F | E | U | Q | I | L | I | G | H | T | J | O | C | U |
| M | V | T | M | G | C | S | T | J | N | W | N | A | F | M | S | R | C | B | A | H | S | E | V | O | Q | F | N | T | E |
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| T | T | N | L | H | Z | X | M | N | C | E | I | R | S | T | O | R | C | T | B | A | K | L | C | R | K | R | E | E | X |
| P | I | P | E | L | I | N | E | S | U | L | E | B | W | O | G | O | O | O | P | I | B | A | K | W | F | N | N | R | G |
| C | O | G | E | N | E | R | A | T | I | O | N | Q | F | L | I | S | S | O | D | U | C | V | A | T | M | A | T | M | D |
| Y | N | G | I | M | G | W | R | E | D | E | T | I | M | I | L | L | R | L | V | X | X | J | Y | A | N | C | A | S | A |
| F | K | C | B | Y | H | X | X | G | L | Q | S | H | K | P | F | P | E | S | U | T | C | E | R | I | D | E | L | M | X |

| | | | | |
|---|---|---|---|---|
| ANCIENT | ANTHROPOGENIC | BARBECUE | BIOFUEL | BUTANE |
| CITY GATE | COGENERATION | CONSERVATION | CUBIC FOOT | DEMAND |
| DIRECT USE | EFFICIENCY | ENERGY | ENVIRONMENTAL | FLAMMABLE |
| FOSSIL FUEL | FURNACE | HEATER | LIGHT | LIMITED |
| LIQUEFY | MERCAPTAN | METER | METHANE | MIGRATE |
| NATURAL GAS | PILOT | PIPELINE | POROUS | PROPANE |
| RANGE | RENEWABLE | SEISMIC | THERMS | THERMOSTAT |
| UTILITY | VALVE | VAPOR | WATER | WELL |

# Yakima Baseball Campaign Field Poster

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.
In the Community to Serve®
WE LOVE A GOOD TRIPLE PLAY...
DON'T YOU?
COMFORT
Natural Gas provides consistent, comfortable and reliable heating for your home and business - Especially when paired with natural gas water heating and cooking.
EFFICIENCY
Upgrade to qualifying high-efficiency natural gas appliances to leverage your energy investment - Don't forget to check with your local utility for available rebates.
SAFETY
Call 811 two business days before you dig, to have underground utility lines marked. It's free of charge and helps keep everyone safe.
WWW.CNGC.COM
(888) 522-1130
811
Know what's below.
Call before you dig.

# Sports Team Coupon

# ENJOY A TREAT!

OFFER EXPIRES 9/15/16
LIMIT: (1) PER GUEST

*Compliments of*
CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*Present this coupon at the Big Apple Concession Stand to receive a **FREE** Regular Popcorn, Paleta, TIm's Chips, or Bimbo Brand Product.*

Cascade Natural Gas proudly supports our community partners and encourages the responsible and sustainable use of energy. Using natural gas to provide heat, water heat and cooking in your home or business is the most efficient use of our precious natural resources. However, even the cleanest energy sources must be used efficiently and effectively.

Cascade encourages residential and business customers to install high-efficiency equipment as often as possible. Our cash rebates can help offset the cost of implementation on qualified improvements.

**Washington Homeowners:** Cascade offers cash rebates to customers to purchase energy-efficient natural gas equipment and measures. Learn how these conservation rebates and community partnerships are making a difference for real customers.

*Call Today For More Info.*
**1.866.626.4479**
**www.cngc.com**

## COMFORT

Natural Gas provides consistent, comfortable and reliable heating for your home and business - Especially when paired with natural gas water heating and cooking.

## EFFICIENCY

Upgrade to qualifying high-efficiency natural gas appliances to leverage your energy investment - Don't forget to check with your local utility for available rebates.

## SAFETY

Call 811 two business days before you dig, to have underground utility lines marked. It's free of charge and helps keep everyone safe.

811®

**Know what's below. Call before you dig.**

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

# Longview Program Ad - Triple Play

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

# We LOVE a good triple play, don't you?

**Comfort -** *Natural Gas provides consistent, comfortable and reliable heating for your home and business - Especially when paired with natural gas water heating and cooking*

**Efficiency -** *Upgrade to qualifying high-efficiency natural gas appliances to leverage your energy investment - Don't forget to check with your local utility for available rebates*

**Safety -** *Call 811 two business days **before** you dig to have underground utility lines marked. It's free of charge and helps keep everyone safe*

**www.cngc.com**

**1-888-522-1130**

811®
Know what's **below.**
**Call** before you dig.

# Longview Football Message

CASCADE NATURAL GAS CORPORATION®

A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

# Spotlight on Efficiency & Safety

**CNGC.COM/CONSERVATION** **866.626.4479**

- Contact Cascade Natural Gas Corporation before tackling your next renovation to receive rebates on eligible insulation and high-efficiency natural gas upgrades.
- Call 811 two business days before you dig to have underground utility lines marked. It's free and helps keep everyone safe!

811®

Know what's **below.**
**Call** before you dig.

# January, June, September, & November Bill Insert Samples

# We have a dream...

That one day, ALL our customers will enjoy the affordability and comfort that comes with high-efficiency natural gas upgrades paired with ENERGY STAR® homes.

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.
*In the Community to Serve®*

## RESIDENTIAL REBATES

**ENERGY STAR Certified New Home - $600**

**High-Efficiency Natural Gas Furnace - $250**

**For more information, visit us online!**

## NEW YEAR. NEW HOME. NEW FURNACE?

Enjoy the warmth and comfort even more, by earning a rebate for high-efficiency natural gas upgrades*!

Contact Cascade Natural Gas Corporation to learn about incentives for conserving energy.

?

To find a Trade Ally near you visit :
www.cngc.com/conservation
or call 1-866-626-4479.

** Additional restrictions apply, please contact us for details.*

1/16

## DECLARE YOUR INDEPENDENCE!

FREEDOM from higher energy bills doesn't have to be at the cost of comfort. Our rebates for high-efficiency upgrades will save you money while increasing your COMFORT.

WWW. CNGC.COM/CONSERVATION

CASCADE NATURAL GAS CORPORATION®
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*In the Community to Serve®*

## Residential Rebates*

High-Efficiency Natural Gas Combined Domestic Hot Water and Hydronic Space Heating AFUE 90%+ - **$825**

Condensing High-Efficiency Natural Gas Tankless Water Heater EF 0.91+ - **$150**

Conventional High-Efficiency Natural Gas Water Heater .67+ EF - **$45**

*Don't forget our free energy savings kits - apply online!*

## FEEL AT LIBERTY TO SAVE ENERGY WHILE EARNING A REBATE!

Even in the summer months, you can save money on heating your home's water by upgrading to a qualifying energy-efficient appliance.

Let us help you gain independence from high energy bills with a Cascade Natural Gas rebate on qualifying upgrades.

For information on additional incentives and to find Trade Ally contractors, visit **www.cngc.com/conservation** or call **1-866-626-4479**.

**Additional restrictions and minimum equipment specifications apply, please contact us for details. AFUE : Annual Fuel Utilization Efficiency FE: Fireplace Efficiency EF: Energy Factor*

06/16

WWW.CNGC.COM/CONSERVATION

# Make it come true with High-efficiency Natural Gas appliances and rebates today!

Cascade Natural Gas Corporation®
A Subsidiary of MDU Resources Group, Inc.
*In the Community to Serve®*

**RESIDENTIAL REBATES**

**ENERGY STAR®**
**Certified New Home - $600**

**BUILT GREEN®**
**Certified Home - $600**

For more information, visit us online!

811 Know what's below. Call before you dig.

## It's time for the Fall Parade of Homes Tours!

Check out your local Home Builders Association for their scheduled 2016 Home Tour this fall and look for featured high-efficiency natural gas appliances.

***Include high-efficiency natural gas upgrades and appliances in your new home for comfort, reliablity and to get the most from your investment!***

For information on incentives and to find Trade Ally contractors, visit **www.cngc.com/conservation** or call **1-866-626-4479**.

9/16

WWW.CNGC.COM/CONSERVATION

## Provide a loving and *warm* welcome this holiday season!

Ensure you have plenty of warm water with a new high-efficiency conventional or tankless natural gas water heater.

Cascade Natural Gas Corporation®
A Subsidiary of MDU Resources Group, Inc.
*In the Community to Serve®*

**RESIDENTIAL REBATES***

Conventional High-Efficiency Natural Gas Water Heater .67+ EF: $45

Condensing High-Efficiency Natural Gas Tankless Water Heater 0.91+ EF: $150

***Don't forget our free energy savings kits - apply online!***

***When you're ready to upgrade your Natural Gas water heating solution, check with your contractor to be sure it's a high-efficiency model to qualify for a Cascade rebate!***

?

For information on available incentives and to find Trade Ally contractors, visit **www.cngc.com/conservation** or call **1-866-626-4479**.

*Additional restrictions and minimum equipment specifications apply, please contact us for details.
EF: Energy Factor.

11/16

# SICBA Home Tour In-Home Signage

## Ex. HE Water Heaters

*This smart home uses a:*

# *Natural Gas High Efficiency Water Heater*

*Saving money and energy all year long.*

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

**For rebates, call 866.626.4479, or visit www.cngc.com/conservation.**

# Home Tour Lawn Sign

Proudly going green with clean, reliable Natural Gas.

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

Rebates available for high-efficiency natural gas upgrades at www.cngc.com/conservation.

# SICBA Membership Directory 2016

CASCADE NATURAL GAS CORPORATION®
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*In the Community to Serve®*

# Want a HEALTHY, HAPPY home?

An energy-efficient home that's properly insulated and ventilated can help provide a comfortable and healthy home environment.

Paired with a "healthy bottom line" from rebates for eligible natural gas upgrades and lower utility bills, means everybody's happy!

**Call 866.626.4479 or visit cngc.com/conservation.**

# CWHBA
# Home Tour Ad

# Imagine Your Dream Home

## Make it come true with high-efficiency Natural Gas today

Have big plans for your home? Include high-efficiency Natural Gas upgrades and appliances to get the most from your investment. For rebates from Cascade Natural Gas on qualifying upgrades, call 1-866-626-4479 or visit us online at www.cngc.com/conservation.

811® Know what's below. Call before you dig.

Cascade Natural Gas Corporation®
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*In the Community to Serve®*

# Fall & Spring LCCA CIP Promotions

811
Know what's **below.**
**Call** before you dig.

# Planning For Your Energy Needs?

*Savvy home owners know space and water heating have a significant impact on a home's comfort, not to mention future energy bills.*

*Install high-efficiency natural gas equipment to minimize energy use and receive rebates from Cascade Natural Gas to help offset your investment in comfort and reliability.*

## To Do List

- ☑ *Review your choices - furnaces, water heaters and more...*
- ☑ *Check out Cascade's website @ www.cngc.com/conservation or call 1-866-626-4479*
- ☑ *Install high-efficiency upgrades through a Trade Ally Contractor*
- ☑ *Apply for a rebate & start saving!*

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*In the Community to Serve®*

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

Warmth and Comfort
with Natural Gas!

Serve all of your hot water
needs with a high-efficiency
tankless hot water heater!

Rebates Available
To learn more, call 866.626.4479
www.cngc.com/conservation

# Bonus Coupon

# 2016 Cascade Natural Gas Customer Rebate Bonus Coupon*

## If rebate is submitted** before 9/1/16

# $100

OR

# $50

## If rebate is submitted** after 9/1/16

**Coupon valid only in conjunction with an eligible rebate application, and cannot be used in payment towards a gas bill. A rebate check will be mailed to the customer with verification of active gas account and approved rebate application.**

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*In the Community to Serve®*

**TO REDEEM COUPON WITH AN ONLINE APPLICATION SCAN AND UPLOAD ALONG WITH YOUR INVOICE**

**The Cascade Natural Gas Corp. Conservation Incentive Program is proud to team up with contractors in our Trade Ally network to offer you a "bonus rebate" for installing rebate-qualified measures.**

TRADE ALLY COMPANY

TRADE ALLY REPRESENTATIVE SIGNATURE

CUSTOMER SIGNATURE

*Limit 1 coupon per customer, per measure
*Only valid for measures installed in 2016
*Coupon must be attached to invoice and signed both by Trade Ally and customer
*Coupon does not signify endorsement or warranty of work performed
*Must be a Cascade Natural Gas customer on a qualifying rate schedule
*Coupon is non-transferable and is for distribution solely by designated Trade Ally - note all coupons are individually numbered
*Funds will be issued following approval of rebate application attached to coupon
**Submission date is the date application is stamped by post office or entered on line

**WWW.CNGC.COM/CONSERVATION OR CALL 866-626-4479**

# Congratulations

**...ON THE STEPS YOU ARE TAKING TOWARD ENERGY-EFFICIENCY IN YOUR HOME!**

**EXPLORE THE CASCADE CONSERVATION CORNER WEBSITE AT**

**WWW.CNGC.COM/CONSERVATION**

**FOR INFORMATION ON AVAILABLE RESIDENTIAL AND COMMERCIAL REBATES INCLUDING:**

**FURNACES, WATER HEATERS, INSULATION, FIREPLACES**

**AND**

**FREE ENERGY SAVINGS KITS**

# Future of Energy Ad

# REBATES turn a *good investment* in energy efficiency into a GREAT INVESTMENT!

Commercial Incentives Available
for cost-effective, energy-efficient
natural gas upgrades.
efficiency
Call: 866-626-4479, or visit:
www.cngc.com/conservation

CASCADE NATURAL GAS CORPORATION®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

# Columbia Center Spring 2016 Standee

# REBATES turn a *good investment* in energy efficiency into a GREAT INVESTMENT!

## Commercial Incentives Available

for cost-effective, energy-efficient natural gas upgrades.

CASCADE NATURAL GAS CORPORATION®

A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

*www.cngc.com/conservation*

# You've upgraded your gadgets...

## ... is it time to upgrade to a high-efficiency natural gas furnace?

**Rebates Available**

**866-626-4479**

CASCADE NATURAL GAS CORPORATION®
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*In the Community to Serve®*

**www.cngc.com/conservation**

# Gas Fired Heating Promotion

# Cascade Natural Gas Commercial and Industrial Conservation Incentive Program wants to give you extra cash rebates on qualified high efficiency gas fired equipment – that's cash in the bank for you.

Incentive rates are increasing by **20 percent** on qualifying commercial and industrial high-efficiency gas fired heating equipment installed between September 1 and December 31, 2016.*

| EQUIPMENT AND EFFICIENCY TYPE | BONUS SEPTEMBER 1 - DECEMBER 31 |
|---|---|
| **WARM AIR FURNACE** | |
| 91% Min AFUE - $3.00/kbtuh | **NOW $3.60/kbtuh** |
| **HVAC UNIT HEATER** | |
| 86% Min AFUE - $1.50/kbtuh | **NOW $1.80/kbtuh** |
| **CONDENSING UNIT HEATER** | |
| 92% Min AFUE - $3.00/kbtuh | **NOW $3.60/kbtuh** |
| **RADIANT HEATING** | |
| $6.95/kbtuh | **NOW $8.35** |

This Energy Efficient Gas Heating Equipment Promotion is available for qualifying, commercial customers installing high efficiency warm air furnances, unit heaters, condensing unit heaters and direct fired radiant heaters between September 1 and December 31, 2016. All incentive amounts will increase by 20% for qualified installations during the promotional period.

If you are unsure whether or not you qualify please contact Bill Prillaman at 503.329.5372 or william.w.prillaman.jr@lmco.com to determine your eligibility.

**Offered only to qualified commercial CNGC customers who heat their buildings with natural gas on qualifying commercial rate schedules (including 504, 505, 511, 570 and 577). All other program requirements must be met to qualify for this bonus - contact CNGC for further details.*

Cascade Natural Gas Corporation®
A Subsidiary of MDU Resources Group, Inc.

*In the Community to Serve®*

cngc.com/conservation

| Commercial Measures | Measure Type | End Use | 20-year Cumulative Technical Potential (therms) | 20-year Cumulative Achievable Potential (therms) | 20-year Cumulative Cost Effective Potential (therms) | % of Total Sector C/E Potential | Average Levelized Cost ($/CE therm) |
|---|---|---|---|---|---|---|---|
| Com - Gas Showerhead | Retrofit | Water Heating | 690,009 | 586,507 | 586,507 | 9% | -$2.76 |
| Com - Gas Steamer | Replace on Burnout | Cooking | 563,442 | 478,926 | 478,926 | 7% | -$0.90 |
| Com - Gas Combi Oven | Replace on Burnout | Cooking | 230,288 | 195,745 | 195,745 | 3% | -$0.43 |
| Com - VFD Venthood | Retrofit | Heating | 387 | 329 | 329 | 0% | $0.00 |
| Com - Energy Star Convection Oven | Replace on Burnout | Cooking | 102,065 | 86,755 | 86,755 | 1% | $0.00 |
| Com - Demand Control Ventilation | Retrofit | Heating | 606,733 | 515,723 | 515,723 | 8% | $0.03 |
| Com - Hot Water Temperature Reset | Retrofit | Heating | 40,485 | 34,412 | 34,412 | 1% | $0.09 |
| Com - SPC High efficiency Boiler | Replace on Burnout | Heating | 288,023 | 244,820 | 244,820 | 4% | $0.09 |
| Com - Roof Insulation | Retrofit | Weatherization | 155,424 | 132,110 | 132,110 | 2% | $0.18 |
| Com - Energy Star Fryer | Replace on Burnout | Cooking | 341,501 | 290,276 | 290,276 | 4% | $0.22 |
| Com - Cond Furnace | Replace on Burnout | Heating | 108,582 | 92,295 | 89,738 | 1% | $0.24 |
| Com - Gas Griddle | Replace on Burnout | Cooking | 100,108 | 85,092 | 70,829 | 1% | $0.31 |
| Com - DHW Condensing Tankless | Replace on Burnout | Water Heating | 605,700 | 514,845 | 514,845 | 8% | $0.33 |
| Com - Gas Fryer | Replace on Burnout | Cooking | 234,231 | 199,096 | 195,522 | 3% | $0.37 |
| Com - Steam Trap Maintenance | Retrofit | Heating | 205,968 | 175,073 | 175,073 | 3% | $0.41 |
| Com - SEM | Retrofit | Behavioral | 1,115,492 | 948,168 | 948,168 | 14% | $0.45 |
| Com - High Efficiency Unit Heater | Replace on Burnout | Heating | 673 | 572 | 493 | 0% | $0.53 |
| Com - Wall Insulation | Retrofit | Weatherization | 126,781 | 107,764 | 107,764 | 2% | $0.60 |
| Com - Steam Balance | Retrofit | Heating | 27,722 | 23,564 | 9,765 | 0% | $1.30 |
| Com - DDC HVAC Controls | New Construction | Heating | 2,037,487 | 1,731,864 | 1,632,108 | 25% | $1.49 |
| Com - Windows Upgrade (New) | New Construction | Weatherization | 198,032 | 168,328 | 168,328 | 3% | $1.67 |
| Com - AC Heat Recovery, HW | Retrofit | Water Heating | 400,215 | 340,183 | - | 0% | $3.77 |
| Com - Gas-fired HP, Heating | Replace on Burnout | Heating | 16,294 | 13,850 | - | 0% | $5.23 |
| Com - Highly Insulated Windows (NEW) | New Construction | Weatherization | 21,041 | 17,885 | - | 0% | $5.32 |
| Com - HVAC System Commissioning | New Construction | Cooling | 415,798 | 353,429 | 7,718 | 0% | $5.57 |
| Com - Highly Insulated Windows (RET) | Retrofit | Weatherization | 166,554 | 141,571 | - | 0% | $5.69 |
| Com - Windows Upgrade (RET) | Retrofit | Weatherization | 164,105 | 139,489 | - | 0% | $6.28 |
| Com - VIP, R-35 wall (NEW) | New Construction | Weatherization | 45,170 | 38,395 | - | 0% | $7.79 |
| Com - Smart/Dynamic Windows (NEW) | New Construction | Weatherization | 92,025 | 78,221 | - | 0% | $7.93 |
| Com - Gas-fired HP HW | Replace on Burnout | Water Heating | 74,341 | 63,190 | - | 0% | $9.17 |
| Com - Advanced Ventilation Controls | Retrofit | Ventilation | 125,871 | 106,990 | 102,266 | 2% | $9.39 |
| Com - Gas Conv. Oven | Replace on Burnout | Cooking | 78,412 | 66,650 | 50,659 | 1% | $12.47 |
| Com - Energy Recovery Ventilator - Gas Heating | Retrofit | Heating | 2,606,156 | 2,215,233 | - | 0% | $14.28 |
| COM - VIP, R-35 wall (RET-no insl'n) | Retrofit | Weatherization | 23,597 | 20,057 | - | 0% | $16.26 |
| Com - VIP, R-35 wall (RET-R-11) | Retrofit | Weatherization | 55,239 | 46,953 | - | 0% | $17.78 |
| Com - Smart/Dynamic Windows (RET) | Retrofit | Weatherization | 161,854 | 137,576 | - | 0% | $33.75 |
| **Commercial Totals & Weighted Average Levelized Cost** | | | **12,225,805** | **10,391,934** | **6,638,878** | **100%** | **$0.48** |

| Industrial Measures | Measure Type | End Use | 20-year Cumulative Technical Potential (therms) | 20-year Cumulative Achievable Potential (therms) | 20-year Cumulative Cost Effective Potential (therms) | % of Total Sector C/E Potential | Average Levelized Cost ($/CE therm) |
|---|---|---|---|---|---|---|---|
| Ind- Steam line pipe insulation | Retrofit | Process Heating | 47,192 | 40,113 | 40,113 | 2% | $0.01 |
| Ind- Vent Damper Control | Retrofit | Process Heating | 63,637 | 54,092 | 54,092 | 3% | $0.02 |
| Ind- Boiler Load Control | Retrofit | Process Heating | 69,102 | 58,736 | 58,736 | 4% | $0.02 |
| Ind- Process Boiler Insulation | Retrofit | Process Heating | 74,077 | 62,965 | 62,965 | 4% | $0.02 |
| Ind- Steam Trap Maintenance | Retrofit | Process Heating | 102,039 | 86,733 | 86,733 | 5% | $0.02 |
| Ind- Boiler Tune-up | Retrofit | Process Heating | 246,830 | 209,805 | 209,805 | 13% | $0.03 |
| Ind- High Efficiency Unit Heater | Replace on Burnout | HVAC | 78,907 | 67,071 | 67,071 | 4% | $0.04 |
| Ind- Boiler Heat Recovery | Retrofit | Process Heating | 103,881 | 88,299 | 88,299 | 5% | $0.04 |
| Ind- Roof Insulation- R0-R30 | Retrofit | HVAC | 167,951 | 142,758 | 142,758 | 9% | $0.06 |
| Ind- Wall Insulation- R0- R11 | Retrofit | HVAC | 164,644 | 139,948 | 139,948 | 9% | $0.07 |
| Ind- Burner upgrades | Retrofit | Process Heating | 372,770 | 316,854 | 316,854 | 19% | $0.07 |
| Ind- High Efficiency Boiler | Replace on Burnout | Process Heating | 156,879 | 133,347 | 133,347 | 8% | $0.09 |
| Ind - Greenhouse Upgrade | Retrofit | Other | 73,971 | 62,875 | 62,875 | 4% | $0.23 |
| Ind- Gas-fired HP Water Heater | Replace on Burnout | Water Heating | 50,640 | 43,044 | 43,044 | 3% | $0.29 |
| Ind- Steam Balance | Retrofit | Process Heating | 160,518 | 136,440 | 121,289 | 7% | $0.38 |
| Ind- Wall Insulation- VIP, R0-R35 | Retrofit | HVAC | 24,011 | 20,409 | - | 0% | $1.83 |
| **Industrial Totals & Weighted Average Levelized Cost** | | | **1,957,048** | **1,663,491** | **1,627,931** | **100%** | **$0.09** |

| Residential Measures | Measure Type | End Use | 20-year Cumulative Technical Potential (therms) | 20-year Cumulative Achievable Potential (therms) | 20-year Cumulative Cost Effective Potential (therms) | % of Total Sector C/E Potential | Average Levelized Cost ($/CE therm) |
|---|---|---|---|---|---|---|---|
| Res - Elec Hi-eff Clothes Washer - Gas DHW | Replace on Burnout | Appliance | 74,771 | 63,555 | 63,555 | 1% | -$3.14 |
| Res Kitchen Faucet Aerators, 1.5 gpm- Gas | Retrofit | Water Heating | 104,683 | 88,980 | 88,980 | 1% | -$2.33 |
| Res Bathroom Faucet Aerators, 1.0 gpm- Gas | Retrofit | Water Heating | 111,493 | 94,769 | 94,769 | 1% | -$2.32 |
| Res Showerhead, 1.50 GPM - Gas | Retrofit | Water Heating | 284,915 | 242,178 | 242,178 | 2% | -$2.05 |
| Res Showerhead (NEW Only), 1.50 GPM - Gas | New Construction | Water Heating | 323,897 | 275,312 | 275,312 | 2% | -$2.03 |
| Res Showerwand, 1.50 GPM - Gas | Retrofit | Water Heating | 42,019 | 35,716 | 35,716 | 0% | -$1.82 |
| Res - Gas Hearth | Replace on Burnout | Heating | 101,464 | 86,245 | 86,245 | 1% | $0.00 |
| Res - Window Replacement (U<.20), Gas SH, Z2 (NEW ONLY) | New Construction | Weatherization | 294,633 | 250,438 | 250,438 | 2% | $0.17 |
| Res - Window Replacement (U<.20), Gas SH, Z2 | Replace on Burnout | Weatherization | 477,415 | 405,803 | 405,803 | 3% | $0.19 |
| Res - Window Replacement (U=.30), Gas SH, Z2, MH | Replace on Burnout | Weatherization | 543 | 462 | 462 | 0% | $0.44 |
| Res 0.70+ EF Gas Storage Water Heater | Replace on Burnout | Water Heating | 1,117,733 | 950,073 | 950,073 | 8% | $0.47 |
| Res Tankless Gas Hot Water Heater (NEW ONLY) | New Construction | Water Heating | 736,252 | 625,814 | 625,814 | 5% | $0.48 |
| Res - Window Replacement (U<.20), Gas SH, Z2, MH | Replace on Burnout | Weatherization | 779 | 662 | 530 | 0% | $0.56 |
| Res - AFUE 90 to 95 Furnace, Z2 - SF | Replace on Burnout | Heating | 8,933 | 7,593 | 7,593 | 0% | $0.60 |
| Res - AFUE 90 to 95 Furnace, Z2 | Replace on Burnout | Heating | 16 | 13 | - | 0% | $0.76 |
| Res - Wx insulation (ceiling), Gas SH, Z2 | Retrofit | Weatherization | 92,187 | 78,359 | 78,359 | 1% | $0.80 |
| Res - HRV, Gas SH, Z2 | New Construction | Heating | 19,589 | 16,651 | 122 | 0% | $0.81 |
| Res - Path 2 MECH + DHW Gas Heat Gas DHW | New Construction | Water Heating | 1,760,002 | 1,496,002 | 1,496,002 | 12% | $0.84 |
| Res - Smart Tstat | Retrofit | Heating | 897,111 | 762,545 | 762,545 | 6% | $0.96 |

| Residential Measures | Measure Type | End Use | 20-year Cumulative Technical Potential (therms) | 20-year Cumulative Achievable Potential (therms) | 20-year Cumulative Cost Effective Potential (therms) | % of Total Sector C/E Potential | Average Levelized Cost ($/CE therm) |
|---|---|---|---|---|---|---|---|
| Res Absorption Gas Heat Pump Water Heater-Z2 | Replace on Burnout | Water Heating | 284,290 | 241,647 | - | 0% | $1.01 |
| Res - Path 3 MECH + DHW 2 Gas Heat Gas DHW | New Construction | Water Heating | 1,960,508 | 1,666,432 | 1,666,432 | 14% | $1.14 |
| Res - Path 1 ORIECC-Shell Gas Heat Gas DHW | New Construction | Weatherization | 1,715,445 | 1,458,128 | 1,458,128 | 12% | $1.38 |
| Res-Behavior Savings (RET) | Retrofit | Behavioral | 174,669 | 148,469 | 148,469 | 1% | $1.43 |
| Res-Behavior Savings (NEW) | New Construction | Behavioral | 60,418 | 51,355 | 51,355 | 0% | $1.43 |
| Res - Path 3 MECH + DHW 2 Gas Heat Ele DHW | New Construction | Water Heating | 644,766 | 548,051 | 548,051 | 5% | $1.54 |
| Res - Wx insulation (wall), Gas SH, Z2 | Retrofit | Weatherization | 193,942 | 164,851 | 164,851 | 1% | $1.55 |
| Res Smart Devices Home Automation (RET) | Retrofit | Behavioral | 149,386 | 126,978 | 113,679 | 1% | $1.68 |
| Res - Duct Sealing, Gas SH, Z2 | Retrofit | Weatherization | 226,590 | 192,601 | 3,644 | 0% | $1.70 |
| Res - AFUE 98/96 Furnace, Z2 - SF | Replace on Burnout | Heating | 16,265 | 13,825 | - | 0% | $1.78 |
| Res Smart Devices Home Automation (NEW) | New Construction | Behavioral | 112,272 | 95,431 | 91,011 | 1% | $1.88 |
| Res - Wx insulation (floor), Gas SH, Z2 | Retrofit | Weatherization | 192,956 | 164,013 | 164,013 | 1% | $2.21 |
| Res - AFUE 98/96 Furnace, Z2 | Replace on Burnout | Heating | 111 | 94 | - | 0% | $2.63 |
| Res - AFUE 98/96 Furnace, Z2 (NEW ONLY) | New Construction | Heating | 8,556 | 7,273 | - | 0% | $2.69 |
| Res Absorption Gas Heat Pump Water Heater-Z2 (NEW ONLY) | New Construction | Water Heating | 285,464 | 242,645 | - | 0% | $3.22 |
| Res Tankless Gas Hot Water Heater-Z2 | Replace on Burnout | Water Heating | 1,823,651 | 1,550,103 | - | 0% | $3.95 |
| Res - Path 4 Advanced Whole Home Gas Heat Ele DHW | New Construction | Heating | 361,698 | 307,443 | 307,443 | 3% | $4.01 |
| Res - Path 3 MECH + DHW 2 Ele Heat Gas DHW | New Construction | Water Heating | 286,512 | 243,535 | 243,535 | 2% | $4.02 |
| Res - Path 4 Advanced Whole Home Gas Heat Gas DHW | New Construction | Heating | 2,027,344 | 1,723,242 | 1,723,242 | 14% | $4.05 |
| Res - Wx insulation (ceiling), NEW, ET, Gas SH, Z2 | New Construction | Weatherization | 102,887 | 87,454 | - | 0% | $5.59 |
| Res - Wx insulation (ceiling), RET, ET, Gas SH, Z2 | Retrofit | Weatherization | 176,336 | 149,885 | - | 0% | $9.10 |
| Res - Elec Hi-eff Dishwasher - Gas DHW - SF | Replace on Burnout | Appliance | 3,721 | 3,163 | - | 0% | $10.69 |
| Res - Elec Hi-eff Dishwasher - Gas DHW | Replace on Burnout | Appliance | 28 | 23 | - | 0% | $16.11 |
| Res - Wx insulation (wall), NEW, ET, Gas SH, Z2 | New Construction | Weatherization | 136,693 | 116,189 | - | 0% | $20.72 |
| Res - Wx insulation (wall), RET, ET, Gas SH, Z2 | Retrofit | Weatherization | 187,849 | 159,672 | - | 0% | $31.20 |
| Res 0.67/0.70 EF Gas Storage Water Heater for Multi-Family Centralized Hot Water System | Replace on Burnout | Water Heating | 136 | 115 | - | 0% | $32.21 |
| **Residential Totals & Weighted Average Levelized Cost** | | | **17,580,928** | **14,943,789** | **12,148,348** | **100%** | **$1.35** |

**Cascade Natural Gas 20-Year Cost-Effective DSM Savings Projection (Gross therms)**

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Commercial | New Buildings Construction | 80,473 | 87,318 | 86,783 | 82,199 | 84,020 | 85,403 | 84,880 | 81,729 | 84,441 | 80,071 | 81,573 | 81,049 | 83,301 | 84,193 | 86,101 | 81,831 | 84,222 | 82,440 | 83,936 | 80,530 | **1,666,494** |
| | Retrofit | 113,002 | 110,748 | 110,072 | 109,397 | 108,727 | 108,683 | 108,021 | 107,363 | 106,710 | 106,062 | 96,634 | 87,317 | 78,110 | 69,011 | 68,595 | 68,182 | 67,771 | 67,364 | 50,220 | 33,279 | **1,775,268** |
| | Replace on Burnout | 111,384 | 113,638 | 110,346 | 111,429 | 108,990 | 107,148 | 106,455 | 104,585 | 104,953 | 100,775 | 100,179 | 92,254 | 91,617 | 82,735 | 78,723 | 67,425 | 64,385 | 63,543 | 62,397 | 45,527 | **1,828,489** |
| | Strategic Energy Management | 96,000 | 97,000 | 87,674 | 82,105 | 76,589 | 71,127 | 65,718 | 60,362 | 55,057 | 49,804 | 44,602 | 39,450 | 29,442 | 24,414 | 24,294 | 24,174 | 19,245 | 19,150 | 19,057 | 18,963 | **1,004,229** |
| | New Buildings Market Transformation | 5,510 | 5,510 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | **11,020** |
| Industrial | Retrofit | 42,589 | 44,048 | 48,424 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | 55,379 | **1,076,499** |
| | Replace on Burnout | 9,879 | 12,202 | 10,696 | 8,985 | 8,884 | 8,769 | 8,472 | 8,998 | 8,850 | 8,142 | 8,846 | 8,253 | 8,484 | 8,239 | 7,827 | 7,538 | 7,704 | 6,688 | 6,626 | 4,636 | **168,720** |
| Residential | New Homes Construction | 104,467 | 111,351 | 113,266 | 115,944 | 118,372 | 120,962 | 123,459 | 125,794 | 128,301 | 131,676 | 133,802 | 136,142 | 138,492 | 139,974 | 141,801 | 143,458 | 144,978 | 146,761 | 148,466 | 150,075 | **2,617,543** |
| | Retrofit | 27,240 | 31,555 | 37,802 | 49,460 | 57,116 | 70,879 | 76,798 | 78,654 | 79,398 | 83,646 | 83,391 | 83,635 | 83,872 | 84,103 | 84,328 | 84,546 | 84,921 | 85,294 | 85,664 | 86,033 | **1,438,334** |
| | Replace on Burnout | 18,550 | 17,853 | 16,743 | 18,857 | 20,178 | 19,153 | 18,193 | 16,802 | 15,835 | 14,934 | 14,099 | 13,322 | 12,601 | 11,926 | 11,299 | 10,717 | 10,171 | 9,666 | 9,195 | 8,755 | **288,850** |
| | **Total** | **609,093** | **631,223** | **621,804** | **633,755** | **638,256** | **647,504** | **647,376** | **639,667** | **638,924** | **630,490** | **618,505** | **596,802** | **581,298** | **559,974** | **558,346** | **543,250** | **538,777** | **536,284** | **520,939** | **483,178** | **11,875,446** |

**Cascade Natural Gas 20-Year Cost-Effective DSM Savings Projection (Net therms as found in Annual Report)**

| Sector | Sector-Type | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Commercial | New Buildings Construction | 81,286 | 88,200 | 87,659 | 83,029 | 84,868 | 86,266 | 85,738 | 82,555 | 85,294 | 80,880 | 82,397 | 81,868 | 84,142 | 85,043 | 86,971 | 82,658 | 85,073 | 83,272 | 84,784 | 81,344 | **1,683,327** |
| | Retrofit | 87,598 | 85,851 | 85,327 | 84,804 | 84,285 | 84,251 | 83,737 | 83,227 | 82,721 | 82,219 | 74,910 | 67,688 | 60,550 | 53,497 | 53,174 | 52,854 | 52,536 | 52,220 | 38,930 | 25,798 | **1,376,177** |
| | Replace on Burnout | 86,344 | 88,091 | 85,540 | 86,379 | 84,489 | 83,061 | 82,524 | 81,074 | 81,359 | 78,120 | 77,658 | 71,515 | 71,021 | 64,136 | 61,025 | 52,268 | 49,911 | 49,258 | 48,370 | 35,292 | **1,417,434** |
| | Strategic Energy Management | 96,000 | 97,000 | 87,674 | 82,105 | 76,589 | 71,127 | 65,718 | 60,362 | 55,057 | 49,804 | 44,602 | 39,450 | 29,442 | 24,414 | 24,294 | 24,174 | 19,245 | 19,150 | 19,057 | 18,963 | **1,004,229** |
| | New Buildings Market Transformation | 5,510 | 5,510 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | **11,020** |
| Industrial | Retrofit | 34,071 | 35,239 | 38,739 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | 44,303 | **861,199** |
| | Replace on Burnout | 7,903 | 9,761 | 8,556 | 7,188 | 7,107 | 7,015 | 6,778 | 7,199 | 7,080 | 6,514 | 7,077 | 6,603 | 6,787 | 6,591 | 6,262 | 6,031 | 6,164 | 5,350 | 5,301 | 3,709 | **134,976** |
| Residential | New Homes Construction | 104,467 | 111,351 | 113,266 | 115,944 | 118,372 | 120,962 | 123,459 | 125,794 | 128,301 | 131,676 | 133,802 | 136,142 | 138,492 | 139,974 | 141,801 | 143,458 | 144,978 | 146,761 | 148,466 | 150,075 | **2,617,543** |
| | Retrofit | 26,846 | 31,102 | 37,294 | 48,955 | 56,615 | 70,338 | 76,217 | 78,035 | 78,761 | 82,924 | 82,672 | 82,909 | 83,139 | 83,364 | 83,582 | 83,794 | 84,159 | 84,523 | 84,884 | 85,243 | **1,425,357** |
| | Replace on Burnout | 18,187 | 17,503 | 16,415 | 18,487 | 19,783 | 18,778 | 17,836 | 16,472 | 15,524 | 14,641 | 13,822 | 13,061 | 12,354 | 11,692 | 11,078 | 10,506 | 9,972 | 9,476 | 9,015 | 8,584 | **283,187** |
| | **Total** | **548,212** | **569,609** | **560,470** | **571,195** | **576,411** | **586,101** | **586,310** | **579,021** | **578,401** | **571,081** | **561,244** | **543,538** | **530,231** | **513,014** | **512,490** | **500,045** | **496,340** | **494,314** | **483,108** | **453,311** | **10,814,448** |

**Gross Total Resource Cost of Annual Gross Savings Projection (Therms)**

| Sector | Sector (New, Existing, MT) | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Commercial | New Commercial | $597,833 | $675,138 | $684,106 | $639,077 | $658,920 | $670,223 | $670,074 | $637,518 | $664,759 | $630,943 |
| | Existing Commercial | $1,086,425 | $1,076,304 | $1,062,029 | $1,053,638 | $1,045,438 | $1,031,897 | $1,021,147 | $1,014,823 | $1,003,315 | $993,464 |
| | Commercial MT | $23,151 | $23,612 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Industrial | Industrial | $87,822 | $101,662 | $95,380 | $90,878 | $90,350 | $88,723 | $86,521 | $89,938 | $87,955 | $84,018 |
| Residential | New Residential | $2,606,598 | $2,764,218 | $2,812,796 | $2,880,273 | $2,941,702 | $3,007,068 | $3,070,184 | $3,129,350 | $3,192,898 | $3,246,179 |
| | Existing Residential | $629,091 | $711,602 | $808,279 | $902,051 | $963,433 | $1,102,548 | $1,183,573 | $1,232,997 | $1,255,223 | $1,250,917 |
| | Total: | **$5,030,920** | **$5,352,538** | **$5,462,591** | **$5,565,916** | **$5,699,843** | **$5,900,459** | **$6,031,500** | **$6,104,627** | **$6,204,150** | **$6,205,521** |

| Sector | Sector (New, Existing, MT) | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Commercial | New Commercial | $646,338 | $632,415 | $656,808 | $663,778 | $682,754 | $637,667 | $663,479 | $650,385 | $665,745 | $627,355 | **$13,055,317** |
| | Existing Commercial | $906,171 | $826,969 | $729,914 | $623,907 | $621,546 | $630,795 | $616,998 | $616,775 | $463,722 | $326,044 | **$16,751,322** |
| | Commercial MT | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | **$46,763** |
| Industrial | Industrial | $87,320 | $84,301 | $84,835 | $83,487 | $81,125 | $79,384 | $80,088 | $74,598 | $74,197 | $63,546 | **$1,696,130** |
| Residential | New Residential | $3,278,172 | $3,336,580 | $3,395,261 | $3,432,685 | $3,478,565 | $3,520,349 | $3,557,642 | $3,601,406 | $3,643,204 | $3,682,738 | **$64,577,869** |
| | Existing Residential | $1,170,178 | $1,177,194 | $1,184,340 | $1,191,637 | $1,199,008 | $1,206,480 | $1,214,023 | $1,221,624 | $1,229,292 | $1,237,011 | **$22,070,502** |
| | Total: | **$6,088,179** | **$6,057,459** | **$6,051,160** | **$5,995,494** | **$6,062,998** | **$6,074,675** | **$6,132,230** | **$6,164,788** | **$6,076,160** | **$5,936,694** | **$118,197,902** |

# Appendix E

# Current & Alternative Resources

# 2018 OR IRP Final

**Types of Supply - Summary**

- Base – Can be listed as “Base” or “Fixed” this is an annual supply that we must take if we contract it.
- Winter – This is another supply that we must take, but is only available during the winter season (November-March).
- Day Gas – Can be broken down by winter and summer day gas. We only have to take what we need of this type of gas, and because it is more flexible, it is more expensive than Base or Winter gas.
- Peak – Used to serve demand when all other options are exhausted. It is also the most expensive type of gas.

| Supply | Data Item | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AECO DAY S | Commodity Cost | 0.00 | 8729.59 | 2013.42 | 504.32 | 493.54 | 485.22 | 1589.10 | 2890.48 | 2922.78 | 2962.94 | 2919.43 | 2812.86 |
| AECO DAY S | Take: Monthly by Supply | 0.00 | 3366.00 | 785.49 | 190.41 | 179.74 | 169.36 | 535.53 | 934.36 | 912.90 | 885.56 | 838.43 | 788.03 |
| AECO DAY S | Unit Commodity Cost | 0.00 | 2.59 | 2.56 | 2.65 | 2.75 | 2.86 | 2.97 | 3.09 | 3.20 | 3.35 | 3.48 | 3.57 |
| AECO DAY W | Commodity Cost | 830.85 | 868.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 92.73 |
| AECO DAY W | Take: Monthly by Supply | 301.31 | 295.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.28 |
| AECO DAY W | Unit Commodity Cost | 2.76 | 2.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 |
| AECO FIXED | Commodity Cost | 7457.22 | 4087.86 | 15934.74 | 18229.22 | 18284.80 | 17982.07 | 15449.67 | 12651.48 | 12928.59 | 13291.69 | 13759.40 | 13659.17 |
| AECO FIXED | Take: Monthly by Supply | 2982.89 | 1635.15 | 6373.89 | 7291.69 | 7313.92 | 7192.83 | 6179.87 | 5060.59 | 5171.44 | 5316.68 | 5503.76 | 5463.67 |
| AECO FIXED | Unit Commodity Cost | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| AECO FIXEDW | Commodity Cost | 0.00 | 0.00 | 315.63 | 768.79 | 720.32 | 1083.42 | 2238.18 | 3065.74 | 2912.67 | 2750.60 | 2554.87 | 4819.56 |
| AECO FIXEDW | Take: Monthly by Supply | 0.00 | 0.00 | 126.25 | 307.52 | 288.13 | 433.37 | 895.27 | 1226.30 | 1165.07 | 1100.24 | 1021.95 | 1927.83 |
| AECO FIXEDW | Unit Commodity Cost | 0.00 | 0.00 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| AECO INDEX | Commodity Cost | 1794.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO INDEX | Take: Monthly by Supply | 772.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO INDEX | Unit Commodity Cost | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT DAY S | Commodity Cost | 0.00 | 522.94 | 112.45 | 1294.85 | 591.77 | 1400.20 | 675.34 | 624.19 | 584.78 | 624.57 | 829.13 | 722.55 |
| HUNT DAY S | Take: Monthly by Supply | 0.00 | 180.00 | 40.00 | 465.00 | 205.32 | 470.00 | 215.24 | 186.75 | 168.91 | 173.47 | 223.98 | 187.92 |
| HUNT DAY S | Unit Commodity Cost | 0.00 | 2.91 | 2.81 | 2.78 | 2.88 | 2.98 | 3.14 | 3.34 | 3.46 | 3.60 | 3.70 | 3.85 |
| HUNT DAY W | Commodity Cost | 0.00 | 491.08 | 153.48 | 313.02 | 766.91 | 936.30 | 976.15 | 1141.43 | 1134.38 | 531.09 | 580.93 | 619.30 |
| HUNT DAY W | Take: Monthly by Supply | 0.00 | 144.33 | 43.85 | 91.23 | 212.02 | 258.06 | 259.11 | 289.18 | 277.54 | 127.20 | 134.64 | 140.67 |
| HUNT DAY W | Unit Commodity Cost | 0.00 | 3.40 | 3.50 | 3.43 | 3.62 | 3.63 | 3.77 | 3.95 | 4.09 | 4.18 | 4.31 | 4.40 |
| HUNT FIXED | Commodity Cost | 2864.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 38.25 | 258.32 | 2516.97 | 13052.97 | 13973.36 |
| HUNT FIXED | Take: Monthly by Supply | 835.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.16 | 75.39 | 734.52 | 3809.19 | 4077.79 |
| HUNT FIXED | Unit Commodity Cost | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| HUNT FIXEDW | Commodity Cost | 0.00 | 0.00 | 0.00 | 2090.29 | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 5174.32 | 5174.32 | 5208.58 |
| HUNT FIXEDW | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 610.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 |
| HUNT FIXEDW | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| HUNT INDEX | Commodity Cost | 3870.01 | 10306.59 | 8566.19 | 14949.38 | 5.51 | 23.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT INDEX | Take: Monthly by Supply | 1057.03 | 3511.28 | 2851.86 | 5139.32 | 1.53 | 7.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT INDEX | Unit Commodity Cost | 3.66 | 2.94 | 3.00 | 2.91 | 3.59 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KINGSGATE | Commodity Cost | 0.00 | 1804.58 | 6049.54 | 5587.77 | 5591.50 | 5598.88 | 5782.37 | 6357.47 | 6935.79 | 7109.52 | 6495.63 | 7389.87 |
| KINGSGATE | Take: Monthly by Supply | 0.00 | 604.82 | 2074.72 | 1814.07 | 1777.27 | 1745.03 | 1744.01 | 1852.29 | 1961.30 | 1929.54 | 1704.33 | 1896.47 |
| KINGSGATE | Unit Commodity Cost | 0.00 | 2.98 | 2.92 | 3.08 | 3.15 | 3.21 | 3.32 | 3.43 | 3.54 | 3.68 | 3.81 | 3.90 |
| OPAL INDEXW | Commodity Cost | 1820.48 | 4214.62 | 3732.19 | 4126.14 | 4368.45 | 4757.04 | 5071.71 | 5550.05 | 6165.79 | 7321.83 | 8516.57 | 5828.03 |
| OPAL INDEXW | Take: Monthly by Supply | 556.21 | 1278.02 | 1149.67 | 1187.68 | 1232.56 | 1328.04 | 1366.47 | 1413.44 | 1541.73 | 1765.23 | 1983.43 | 1318.06 |
| OPAL INDEXW | Unit Commodity Cost | 3.27 | 3.30 | 3.25 | 3.47 | 3.54 | 3.58 | 3.71 | 3.93 | 4.00 | 4.15 | 4.29 | 4.42 |
| ROCK DAY S | Commodity Cost | 0.00 | 1954.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.50 | 0.00 | 0.00 | 0.00 |
| ROCK DAY S | Take: Monthly by Supply | 0.00 | 672.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.85 | 0.00 | 0.00 | 0.00 |
| ROCK DAY S | Unit Commodity Cost | 0.00 | 2.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.67 | 0.00 | 0.00 | 0.00 |
| ROCK DAY W | Commodity Cost | 4273.25 | 3788.99 | 8087.84 | 4539.70 | 5348.38 | 6555.16 | 9016.82 | 6086.30 | 9417.11 | 7468.00 | 7362.19 | 10487.69 |
| ROCK DAY W | Take: Monthly by Supply | 1268.10 | 1160.55 | 2439.18 | 1288.20 | 1487.56 | 1796.82 | 2370.49 | 1524.87 | 2302.21 | 1766.80 | 1683.39 | 2301.79 |
| ROCK DAY W | Unit Commodity Cost | 3.37 | 3.26 | 3.32 | 3.52 | 3.60 | 3.65 | 3.80 | 3.99 | 4.09 | 4.23 | 4.37 | 4.56 |

| Supply | Data Item | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ROCK FIXED | Commodity Cost | 4776.13 | 0.00 | 0.00 | 3197.92 | 19198.46 | 20088.30 | 23754.07 | 27832.32 | 27761.70 | 27762.29 | 27740.93 | 27792.10 |
| ROCK FIXED | Take: Monthly by Supply | 1569.80 | 0.00 | 0.00 | 1051.08 | 6310.10 | 6602.56 | 7807.42 | 9147.85 | 9124.64 | 9124.83 | 9117.81 | 9134.63 |
| ROCK FIXED | Unit Commodity Cost | 3.04 | 0.00 | 0.00 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 |
| ROCK FIXEDW | Commodity Cost | 3711.85 | 9188.35 | 9188.35 | 9249.20 | 9188.35 | 9188.35 | 9188.35 | 9249.20 | 9188.35 | 9188.35 | 9188.35 | 9249.20 |
| ROCK FIXEDW | Take: Monthly by Supply | 1220.00 | 3020.00 | 3020.00 | 3040.00 | 3020.00 | 3020.00 | 3020.00 | 3040.00 | 3020.00 | 3020.00 | 3020.00 | 3040.00 |
| ROCK FIXEDW | Unit Commodity Cost | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 |
| ROCK INDEX | Commodity Cost | 2383.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEX | Take: Monthly by Supply | 798.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEX | Unit Commodity Cost | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEXW | Commodity Cost | 3993.05 | 9039.03 | 8459.40 | 7661.04 | 4143.74 | 4737.93 | 2870.89 | 1536.67 | 2982.02 | 5009.13 | 8201.35 | 7598.22 |
| ROCK INDEXW | Take: Monthly by Supply | 1220.00 | 2739.18 | 2605.68 | 2222.58 | 1169.14 | 1324.09 | 779.26 | 386.11 | 745.30 | 1205.33 | 1909.41 | 1713.23 |
| ROCK INDEXW | Unit Commodity Cost | 3.27 | 3.30 | 3.25 | 3.45 | 3.54 | 3.58 | 3.68 | 3.98 | 4.00 | 4.16 | 4.30 | 4.44 |
| STAT2 INDEX | Commodity Cost | 5879.31 | 9596.04 | 9383.28 | 9789.09 | 10009.52 | 10343.09 | 10722.18 | 11205.15 | 11591.79 | 10012.93 | 0.00 | 0.00 |
| STAT2 INDEX | Take: Monthly by Supply | 2473.43 | 3650.00 | 3650.00 | 3660.00 | 3650.00 | 3650.00 | 3650.00 | 3660.00 | 3650.00 | 3040.00 | 0.00 | 0.00 |
| STAT2 INDEX | Unit Commodity Cost | 2.38 | 2.63 | 2.57 | 2.67 | 2.74 | 2.83 | 2.94 | 3.06 | 3.18 | 3.29 | 0.00 | 0.00 |
| SUMAS DAY S | Commodity Cost | 0.00 | 3065.39 | 3409.28 | 3148.34 | 4088.72 | 3554.38 | 3769.70 | 3147.67 | 3079.50 | 3412.91 | 3972.75 | 3864.59 |
| SUMAS DAY S | Take: Monthly by Supply | 0.00 | 1085.96 | 1232.87 | 1147.51 | 1431.42 | 1200.64 | 1210.19 | 956.83 | 903.12 | 962.10 | 1081.16 | 1017.69 |
| SUMAS DAY S | Unit Commodity Cost | 0.00 | 2.82 | 2.77 | 2.74 | 2.86 | 2.96 | 3.11 | 3.29 | 3.41 | 3.55 | 3.67 | 3.80 |
| SUMAS DAY W | Commodity Cost | 172.51 | 3599.66 | 4757.76 | 4610.69 | 5016.44 | 4519.84 | 3643.93 | 4548.55 | 6029.64 | 4350.81 | 3679.77 | 3554.25 |
| SUMAS DAY W | Take: Monthly by Supply | 48.17 | 1083.08 | 1436.22 | 1364.70 | 1411.94 | 1260.25 | 985.73 | 1174.72 | 1487.61 | 1042.56 | 850.43 | 803.45 |
| SUMAS DAY W | Unit Commodity Cost | 3.58 | 3.32 | 3.31 | 3.38 | 3.55 | 3.59 | 3.70 | 3.87 | 4.05 | 4.17 | 4.33 | 4.42 |
| SUMAS FIXED | Commodity Cost | 17592.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS FIXED | Take: Monthly by Supply | 5133.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS FIXED | Unit Commodity Cost | 3.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS FIXEDW | Commodity Cost | 0.00 | 0.00 | 0.00 | 2090.29 | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 5174.32 | 5174.32 | 5208.58 |
| SUMAS FIXEDW | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 610.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 |
| SUMAS FIXEDW | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| SUMAS INDEX | Commodity Cost | 11142.50 | 1951.64 | 8403.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS INDEX | Take: Monthly by Supply | 3921.54 | 594.65 | 2963.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS INDEX | Unit Commodity Cost | 2.84 | 3.28 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS PEAK | Commodity Cost | 0.00 | 0.00 | 67.77 | 453.67 | 548.31 | 649.23 | 500.39 | 155.92 | 116.30 | 229.83 | 290.54 | 294.51 |
| SUMAS PEAK | Take: Monthly by Supply | 0.00 | 0.00 | 22.93 | 161.60 | 188.09 | 214.71 | 154.36 | 40.82 | 29.37 | 57.33 | 71.10 | 73.25 |
| SUMAS PEAK | Unit Commodity Cost | 0.00 | 0.00 | 2.96 | 2.81 | 2.92 | 3.02 | 3.24 | 3.82 | 3.96 | 4.01 | 4.09 | 4.02 |

| Supply | Data Item | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AECO DAY S | Commodity Cost | 4597.30 | 6789.04 | 7785.67 | 7874.33 | 3455.08 | 3088.62 | 2789.31 | 884.94 | 1238.19 | 0.00 |
| AECO DAY S | Take: Monthly by Supply | 1222.48 | 1698.24 | 1876.42 | 1842.52 | 783.57 | 682.85 | 597.31 | 177.06 | 240.71 | 0.00 |
| AECO DAY S | Unit Commodity Cost | 3.76 | 4.00 | 4.15 | 4.27 | 4.41 | 4.52 | 4.67 | 5.00 | 5.14 | 0.00 |
| AECO DAY W | Commodity Cost | 80.54 | 80.56 | 83.70 | 90.41 | 95.63 | 97.86 | 101.83 | 104.52 | 123.83 | 0.00 |
| AECO DAY W | Take: Monthly by Supply | 19.92 | 18.79 | 18.86 | 19.70 | 20.22 | 20.15 | 20.35 | 19.94 | 22.99 | 0.00 |
| AECO DAY W | Unit Commodity Cost | 4.04 | 4.29 | 4.44 | 4.59 | 4.73 | 4.86 | 5.00 | 5.24 | 5.39 | 0.00 |
| AECO FIXED | Commodity Cost | 9766.75 | 3698.37 | 1472.31 | 2420.72 | 8247.14 | 9280.80 | 10414.60 | 11997.87 | 12032.82 | 6487.79 |
| AECO FIXED | Take: Monthly by Supply | 3906.70 | 1479.35 | 588.92 | 968.29 | 3298.85 | 3712.32 | 4165.84 | 4799.15 | 4813.13 | 2595.12 |
| AECO FIXED | Unit Commodity Cost | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| AECO FIXEDW | Commodity Cost | 10090.69 | 13311.35 | 14184.36 | 12928.16 | 10571.80 | 9874.58 | 8998.80 | 8585.70 | 6955.31 | 2302.38 |
| AECO FIXEDW | Take: Monthly by Supply | 4036.28 | 5324.54 | 5673.74 | 5171.27 | 4228.72 | 3949.83 | 3599.52 | 3434.28 | 2782.12 | 920.95 |
| AECO FIXEDW | Unit Commodity Cost | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 |
| AECO INDEX | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO INDEX | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO INDEX | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Commodity Cost | 0.00 | 0.00 | 61.25 | 162.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Take: Monthly by Supply | 0.00 | 0.00 | 14.67 | 37.87 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AECO PEAK | Unit Commodity Cost | 0.00 | 0.00 | 4.18 | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT DAY S | Commodity Cost | 160.37 | 120.57 | 108.06 | 112.77 | 112.32 | 122.05 | 230.98 | 774.71 | 898.91 | 0.00 |
| HUNT DAY S | Take: Monthly by Supply | 40.00 | 29.39 | 25.24 | 26.07 | 25.26 | 26.65 | 48.28 | 165.00 | 185.00 | 0.00 |
| HUNT DAY S | Unit Commodity Cost | 4.01 | 4.10 | 4.28 | 4.33 | 4.45 | 4.58 | 4.78 | 4.70 | 4.86 | 0.00 |
| HUNT DAY W | Commodity Cost | 213.02 | 37.37 | 38.87 | 39.77 | 42.71 | 41.58 | 43.00 | 228.47 | 161.29 | 0.00 |
| HUNT DAY W | Take: Monthly by Supply | 44.92 | 7.00 | 7.07 | 7.00 | 7.40 | 7.00 | 7.00 | 41.01 | 28.00 | 0.00 |
| HUNT DAY W | Unit Commodity Cost | 4.74 | 5.34 | 5.50 | 5.68 | 5.77 | 5.94 | 6.14 | 5.57 | 5.76 | 0.00 |
| HUNT FIXED | Commodity Cost | 18197.41 | 18761.18 | 19080.46 | 20829.47 | 21262.56 | 19377.47 | 18867.64 | 24166.61 | 24216.79 | 7959.73 |
| HUNT FIXED | Take: Monthly by Supply | 5310.48 | 5475.00 | 5568.17 | 6078.58 | 6204.97 | 5654.85 | 5506.07 | 7052.44 | 7067.09 | 2322.86 |
| HUNT FIXED | Unit Commodity Cost | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| HUNT FIXEDW | Commodity Cost | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 3084.03 |
| HUNT FIXEDW | Take: Monthly by Supply | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 900.00 |
| HUNT FIXEDW | Unit Commodity Cost | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| HUNT INDEX | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT INDEX | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| HUNT INDEX | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KINGSGATE | Commodity Cost | 7818.89 | 6267.02 | 6039.87 | 5753.34 | 5518.53 | 5734.76 | 5674.90 | 4028.39 | 4089.71 | 3504.29 |
| KINGSGATE | Take: Monthly by Supply | 1911.26 | 1429.97 | 1325.76 | 1225.74 | 1142.16 | 1156.24 | 1111.32 | 752.86 | 743.49 | 626.10 |
| KINGSGATE | Unit Commodity Cost | 4.09 | 4.38 | 4.56 | 4.69 | 4.83 | 4.96 | 5.11 | 5.35 | 5.50 | 5.60 |
| OPAL INDEXW | Commodity Cost | 1173.30 | 1835.07 | 2687.82 | 4110.63 | 5639.18 | 6937.74 | 8294.67 | 9631.49 | 10584.20 | 6431.47 |
| OPAL INDEXW | Take: Monthly by Supply | 252.69 | 383.28 | 543.92 | 811.56 | 1090.15 | 1313.97 | 1528.43 | 1711.81 | 1831.39 | 1074.96 |
| OPAL INDEXW | Unit Commodity Cost | 4.64 | 4.79 | 4.94 | 5.07 | 5.17 | 5.28 | 5.43 | 5.63 | 5.78 | 5.98 |
| ROCK DAY S | Commodity Cost | 0.00 | 553.19 | 294.54 | 471.87 | 479.73 | 493.57 | 692.27 | 0.00 | 0.00 | 271.22 |
| ROCK DAY S | Take: Monthly by Supply | 0.00 | 123.84 | 64.03 | 99.90 | 99.06 | 99.69 | 135.87 | 0.00 | 0.00 | 45.18 |
| ROCK DAY S | Unit Commodity Cost | 0.00 | 4.47 | 4.60 | 4.72 | 4.84 | 4.95 | 5.09 | 0.00 | 0.00 | 6.00 |
| ROCK DAY W | Commodity Cost | 9715.89 | 13186.14 | 13665.49 | 13838.10 | 13985.43 | 13674.40 | 14202.23 | 5904.42 | 5596.41 | 4429.05 |
| ROCK DAY W | Take: Monthly by Supply | 2057.82 | 2721.87 | 2735.23 | 2707.36 | 2672.19 | 2561.66 | 2586.55 | 1036.75 | 960.00 | 737.81 |
| ROCK DAY W | Unit Commodity Cost | 4.72 | 4.84 | 5.00 | 5.11 | 5.23 | 5.34 | 5.49 | 5.70 | 5.83 | 6.00 |

| Supply | Data Item | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ROCK FIXED | Commodity Cost | 27762.81 | 27762.81 | 27762.81 | 27838.88 | 25322.77 | 26993.30 | 27101.29 | 27754.66 | 27756.51 | 9120.78 |
| ROCK FIXED | Take: Monthly by Supply | 9125.00 | 9125.00 | 9125.00 | 9150.00 | 8323.02 | 8872.08 | 8907.57 | 9122.32 | 9122.93 | 2997.79 |
| ROCK FIXED | Unit Commodity Cost | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 |
| ROCK FIXEDW | Commodity Cost | 9188.35 | 9188.35 | 9188.35 | 9249.20 | 9188.35 | 9188.35 | 9188.35 | 9249.20 | 9188.35 | 5476.50 |
| ROCK FIXEDW | Take: Monthly by Supply | 3020.00 | 3020.00 | 3020.00 | 3040.00 | 3020.00 | 3020.00 | 3020.00 | 3040.00 | 3020.00 | 1800.00 |
| ROCK FIXEDW | Unit Commodity Cost | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 |
| ROCK INDEX | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEX | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEX | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ROCK INDEXW | Commodity Cost | 2657.08 | 0.00 | 0.00 | 0.00 | 1089.39 | 3987.28 | 7300.52 | 9897.31 | 11348.79 | 7238.70 |
| ROCK INDEXW | Take: Monthly by Supply | 578.22 | 0.00 | 0.00 | 0.00 | 208.80 | 752.95 | 1344.00 | 1759.26 | 1965.47 | 1209.88 |
| ROCK INDEXW | Unit Commodity Cost | 4.60 | 0.00 | 0.00 | 0.00 | 5.22 | 5.30 | 5.43 | 5.63 | 5.77 | 5.98 |
| STAT2 INDEX | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAT2 INDEX | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAT2 INDEX | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS DAY S | Commodity Cost | 3338.73 | 2412.61 | 2286.87 | 2278.16 | 2208.81 | 2569.34 | 2867.21 | 5581.82 | 5364.80 | 0.00 |
| SUMAS DAY S | Take: Monthly by Supply | 832.49 | 596.14 | 544.41 | 528.10 | 496.76 | 562.87 | 607.35 | 1152.53 | 1080.38 | 0.00 |
| SUMAS DAY S | Unit Commodity Cost | 4.01 | 4.05 | 4.20 | 4.31 | 4.45 | 4.56 | 4.72 | 4.84 | 4.97 | 0.00 |
| SUMAS DAY W | Commodity Cost | 5280.65 | 1108.81 | 580.34 | 710.70 | 707.63 | 599.90 | 561.89 | 6765.42 | 7476.99 | 0.00 |
| SUMAS DAY W | Take: Monthly by Supply | 1151.05 | 226.16 | 109.91 | 132.34 | 128.46 | 105.04 | 94.76 | 1218.09 | 1299.96 | 0.00 |
| SUMAS DAY W | Unit Commodity Cost | 4.59 | 4.90 | 5.28 | 5.37 | 5.51 | 5.71 | 5.93 | 5.55 | 5.75 | 0.00 |
| SUMAS FIXED | Commodity Cost | 1568.09 | 10102.62 | 13734.21 | 14162.76 | 16167.72 | 15486.10 | 15008.94 | 7953.80 | 13260.31 | 10202.97 |
| SUMAS FIXED | Take: Monthly by Supply | 457.61 | 2948.21 | 4008.00 | 4133.06 | 4718.16 | 4519.25 | 4380.00 | 2321.12 | 3869.70 | 2977.49 |
| SUMAS FIXED | Unit Commodity Cost | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| SUMAS FIXEDW | Commodity Cost | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 5174.32 | 5174.32 | 5208.58 | 5174.32 | 3084.03 |
| SUMAS FIXEDW | Take: Monthly by Supply | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 1510.00 | 1510.00 | 1520.00 | 1510.00 | 900.00 |
| SUMAS FIXEDW | Unit Commodity Cost | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| SUMAS INDEX | Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS INDEX | Take: Monthly by Supply | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS INDEX | Unit Commodity Cost | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SUMAS PEAK | Commodity Cost | 235.63 | 198.46 | 173.54 | 205.39 | 187.38 | 260.57 | 385.50 | 1496.06 | 1639.29 | 0.00 |
| SUMAS PEAK | Take: Monthly by Supply | 54.93 | 47.48 | 37.74 | 41.93 | 37.00 | 51.43 | 73.69 | 306.81 | 332.43 | 0.00 |
| SUMAS PEAK | Unit Commodity Cost | 4.29 | 4.18 | 4.60 | 4.90 | 5.06 | 5.07 | 5.23 | 4.88 | 4.93 | 0.00 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.20 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| SPOK EXP | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |

| Transport | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEO | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP MEW | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: D1 by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAN EXP Z24 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 0.00 | 0.00 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 0.00 | 0.00 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 0.00 | 0.00 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 0.00 | 0.00 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 17.47 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.45 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.68 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 1.74 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 0.00 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 | 9.13 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 0.28 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 | 0.51 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 0.25 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 | 2.28 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 0.20 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 | 3.18 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 | 2.93 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 0.43 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 | 2.39 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 0.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 | 29.51 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 | 20.89 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 | 22.66 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 | 23.56 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 | 23.31 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 | 22.77 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 | 2.36 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 | 1.53 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 | 5.54 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 | 2.52 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 | 4.72 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 | 7.18 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 | 7.81 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 | 8.05 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 | 9.31 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 | 1.26 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 | 0.48 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 | 7.58 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 | 6.58 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 | 12.71 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 | 4.93 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 | 3.46 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 | 24.80 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 | 0.80 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 | 12.17 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 | 7.08 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 | 6.81 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 | 6.96 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 | 32.24 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 | 23.25 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 | 22.94 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 | 7.38 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 | 12.75 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 | 4.43 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 | 4.87 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 | 14.98 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 | 136.40 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHEM_INCRM | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.28 | 2.36 | 2.28 | 2.36 | 2.36 | 2.13 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS1 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS1 | First of Month MDQ by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.60 | 7.60 | 7.60 | 7.60 |
| FTHLSFS2 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.48 | 1.53 | 1.48 | 1.53 | 1.53 | 1.38 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.36 | 5.54 | 5.36 | 5.54 | 5.54 | 5.00 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.44 | 2.52 | 2.44 | 2.52 | 2.52 | 2.28 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.57 | 4.72 | 4.57 | 4.72 | 4.72 | 4.26 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.08 | 2.41 | 2.41 | 2.41 | 2.41 |
| GTN17025 | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 3.81 | 3.81 | 3.81 | 3.81 |
| GTN17026 | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 2.73 | 3.40 | 3.40 | 3.40 | 3.40 |
| GTN17028 | Rate: D1 by Transport | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.95 | 7.18 | 6.95 | 7.18 | 7.18 | 6.49 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 8.93 | 13.06 | 13.06 | 13.06 | 13.06 |
| GTN17031 | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 2.19 | 3.43 | 3.43 | 3.43 | 3.43 |
| GTN17033 | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.55 | 7.81 | 7.55 | 7.81 | 7.81 | 7.05 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.56 | 0.56 | 0.56 | 0.56 |
| GTN17036 | Rate: D1 by Transport | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.79 | 8.05 | 7.79 | 8.05 | 8.05 | 7.28 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 9.01 | 9.31 | 9.01 | 9.31 | 9.31 | 8.41 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.38 | 20.38 | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 29.51 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 9.13 | 33.64 | 33.64 | 33.64 | 33.64 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 20.66 | 20.66 | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 20.89 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 21.14 | 21.14 | 21.14 | 21.14 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 20.63 | 20.63 | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.66 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 22.99 | 22.99 | 22.99 | 22.99 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 20.58 | 20.58 | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 23.56 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 3.18 | 24.39 | 24.39 | 24.39 | 24.39 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.31 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 2.93 | 23.98 | 23.98 | 23.98 | 23.98 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 20.81 | 20.81 | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 22.77 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 2.39 | 24.01 | 24.01 | 24.01 | 24.01 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.22 | 1.26 | 1.22 | 1.26 | 1.26 | 1.14 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.47 | 0.48 | 0.47 | 0.48 | 0.48 | 0.44 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| LAPI_INCRM | Rate: D1 by Transport | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 7.33 | 7.58 | 7.33 | 7.58 | 7.58 | 6.84 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 6.37 | 6.58 | 6.37 | 6.58 | 6.58 | 5.95 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 | 31.76 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| MOLALLA S-N | Rate: D1 by Transport | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 12.30 | 12.71 | 12.30 | 12.71 | 12.71 | 11.48 |
| NOVA INCRM | Rate: D1 by Transport | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.77 | 4.93 | 4.77 | 4.93 | 4.93 | 4.45 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.34 | 3.46 | 3.34 | 3.46 | 3.46 | 3.12 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 |
| PALOMAR W-E | Rate: D1 by Transport | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 24.00 | 24.80 | 24.00 | 24.80 | 24.80 | 22.40 |
| PLWD-100304 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.78 | 0.80 | 0.78 | 0.80 | 0.80 | 0.72 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 11.77 | 12.17 | 11.77 | 12.17 | 12.17 | 10.99 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.85 | 7.08 | 6.85 | 7.08 | 7.08 | 6.40 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.59 | 6.81 | 6.59 | 6.81 | 6.81 | 6.15 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.74 | 6.96 | 6.74 | 6.96 | 6.96 | 6.29 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RUBY INCRM | Rate: D1 by Transport | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 31.20 | 32.24 | 31.20 | 32.24 | 32.24 | 29.12 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 22.50 | 23.25 | 22.50 | 23.25 | 23.25 | 21.00 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 15.00 | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 22.20 | 22.94 | 22.20 | 22.94 | 22.94 | 20.72 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 7.14 | 7.38 | 7.14 | 7.38 | 7.38 | 6.66 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 |
| STHXING W-E | Rate: D1 by Transport | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 12.34 | 12.75 | 12.34 | 12.75 | 12.75 | 11.52 |
| TRQFL INCRM | Rate: D1 by Transport | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.29 | 4.43 | 4.29 | 4.43 | 4.43 | 4.00 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.71 | 4.87 | 4.71 | 4.87 | 4.87 | 4.40 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| WCFI2583B00 | Rate: D1 by Transport | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 14.50 | 14.98 | 14.50 | 14.98 | 14.98 | 13.53 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |

| Transport | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 132.00 | 136.40 | 132.00 | 136.40 | 136.40 | 123.20 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| BEND_INCRM | Rate: D1 by Transport | 7.18 | 6.95 |
| BEND_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| BEND_INCRM | Fuel by Transport | 0.00 | 0.00 |
| BEND_INCRM | First of Month MDQ by Transport | 9.91 | 9.91 |
| BEND_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 |
| BEND_INCRM S | Fuel by Transport | 0.00 | 0.00 |
| BEND_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 |
| CHEM_INCRM | Rate: D1 by Transport | 8.05 | 7.79 |
| CHEM_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| CHEM_INCRM | Fuel by Transport | 0.00 | 0.00 |
| FTHLS INCRM | Rate: D1 by Transport | 2.36 | 2.28 |
| FTHLS INCRM | First of Month MDQ by Transport | 25.91 | 25.91 |
| FTHLS YAHK | Rate: D1 by Transport | 1.53 | 1.48 |
| FTHLSFS1 | Rate: D1 by Transport | 1.53 | 1.48 |
| FTHLSFS1 | First of Month MDQ by Transport | 7.60 | 0.00 |
| FTHLSFS2 | Rate: D1 by Transport | 1.53 | 1.48 |
| FTHLSFS2 | First of Month MDQ by Transport | 3.13 | 3.13 |
| FTHLSFS3 | Rate: D1 by Transport | 1.53 | 1.48 |
| FTHLSFS3 | First of Month MDQ by Transport | 21.58 | 21.58 |
| GILC_INCRM | Rate: D1 by Transport | 7.81 | 7.55 |
| GILC_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| GILC_INCRM | Fuel by Transport | 0.00 | 0.00 |
| GTN13687 | Rate: D1 by Transport | 5.54 | 5.36 |
| GTN13687 | Rate: Transportation by Transport | 0.00 | 0.00 |
| GTN13687 | Fuel by Transport | 0.00 | 0.00 |
| GTN13687 | First of Month MDQ by Transport | 10.00 | 10.00 |
| GTN13688 | Rate: D1 by Transport | 5.54 | 5.36 |
| GTN13688 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN13688 | Fuel by Transport | 0.00 | 0.00 |
| GTN13688 | First of Month MDQ by Transport | 5.00 | 5.00 |
| GTN17019W | Rate: D1 by Transport | 2.52 | 2.44 |
| GTN17019W | Rate: Transportation by Transport | 0.00 | 0.00 |
| GTN17019W | Fuel by Transport | 0.00 | 0.00 |
| GTN17019W | First of Month MDQ by Transport | 11.56 | 11.56 |
| GTN17021 | Rate: D1 by Transport | 4.72 | 4.57 |
| GTN17021 | Rate: Transportation by Transport | 0.00 | 0.00 |
| GTN17021 | Fuel by Transport | 0.00 | 0.00 |
| GTN17021 | First of Month MDQ by Transport | 0.20 | 0.20 |
| GTN17022 | Rate: D1 by Transport | 4.87 | 4.71 |
| GTN17022 | Rate: Transportation by Transport | 0.00 | 0.00 |
| GTN17022 | Fuel by Transport | 0.00 | 0.00 |
| GTN17022 | First of Month MDQ by Transport | 0.23 | 0.23 |
| GTN17023 | Rate: D1 by Transport | 6.58 | 6.37 |
| GTN17023 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17023 | Fuel by Transport | 0.00 | 0.00 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| GTN17023 | First of Month MDQ by Transport | 2.41 | 2.08 |
| GTN17025 | Rate: D1 by Transport | 6.81 | 6.59 |
| GTN17025 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17025 | Fuel by Transport | 0.00 | 0.00 |
| GTN17025 | First of Month MDQ by Transport | 3.81 | 2.98 |
| GTN17026 | Rate: D1 by Transport | 6.96 | 6.74 |
| GTN17026 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17026 | Fuel by Transport | 0.00 | 0.00 |
| GTN17026 | First of Month MDQ by Transport | 3.40 | 2.73 |
| GTN17028 | Rate: D1 by Transport | 7.18 | 6.95 |
| GTN17028 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17028 | Fuel by Transport | 0.00 | 0.00 |
| GTN17028 | First of Month MDQ by Transport | 13.06 | 8.93 |
| GTN17031 | Rate: D1 by Transport | 7.38 | 7.14 |
| GTN17031 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17031 | Fuel by Transport | 0.00 | 0.00 |
| GTN17031 | First of Month MDQ by Transport | 3.43 | 2.19 |
| GTN17033 | Rate: D1 by Transport | 7.58 | 7.33 |
| GTN17033 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17033 | Fuel by Transport | 0.00 | 0.00 |
| GTN17033 | First of Month MDQ by Transport | 0.05 | 0.05 |
| GTN17034 | Rate: D1 by Transport | 7.81 | 7.55 |
| GTN17034 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17034 | Fuel by Transport | 0.00 | 0.00 |
| GTN17034 | First of Month MDQ by Transport | 0.56 | 0.31 |
| GTN17036 | Rate: D1 by Transport | 8.05 | 7.79 |
| GTN17036 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17036 | Fuel by Transport | 0.00 | 0.00 |
| GTN17036 | First of Month MDQ by Transport | 0.08 | 0.08 |
| GTN17037 | Rate: D1 by Transport | 9.31 | 9.01 |
| GTN17037 | Rate: Transportation by Transport | 0.01 | 0.01 |
| GTN17037 | Fuel by Transport | 0.00 | 0.00 |
| GTN17037 | First of Month MDQ by Transport | 20.38 | 20.38 |
| GTNSTANBND | First of Month MDQ by Transport | 33.64 | 29.51 |
| GTNSTANCHEM | First of Month MDQ by Transport | 20.66 | 20.66 |
| GTNSTANGILC | First of Month MDQ by Transport | 21.14 | 20.89 |
| GTNSTANLAPI | First of Month MDQ by Transport | 20.63 | 20.63 |
| GTNSTANMADR | First of Month MDQ by Transport | 22.99 | 22.66 |
| GTNSTANPRNG | First of Month MDQ by Transport | 20.58 | 20.58 |
| GTNSTANPRVL | First of Month MDQ by Transport | 24.39 | 23.56 |
| GTNSTANREDM | First of Month MDQ by Transport | 23.98 | 23.31 |
| GTNSTANSNTP | First of Month MDQ by Transport | 20.81 | 20.81 |
| GTNSTANSTEA | First of Month MDQ by Transport | 24.01 | 22.77 |
| HUNT_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 |
| I-5 EXP 30-S | Rate: D1 by Transport | 22.94 | 22.20 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| I-5 EXP 30-S | Rate: Transportation by Transport | 0.03 | 0.03 |
| I-5 EXP 30-S | Fuel by Transport | 1.28 | 1.28 |
| I-5 EXP 30-W | Rate: D1 by Transport | 22.94 | 22.20 |
| I-5 EXP 30-W | Rate: Transportation by Transport | 0.03 | 0.03 |
| I-5 EXP 30-W | Fuel by Transport | 1.28 | 1.28 |
| I-5 EXP SMS | Rate: D1 by Transport | 22.94 | 22.20 |
| I-5 EXP SMS | Rate: Transportation by Transport | 0.03 | 0.03 |
| I-5 EXP SMS | Fuel by Transport | 1.28 | 1.28 |
| I-5 EXP SMS | First of Month MDQ by Transport | 41.04 | 41.04 |
| JPWD-100302 | Rate: D1 by Transport | 12.17 | 11.77 |
| JPWD-100302 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-100302 | First of Month MDQ by Transport | 1.66 | 1.66 |
| JPWD-100401 | Rate: D1 by Transport | 0.48 | 0.47 |
| JPWD-100401 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-100401 | First of Month MDQ by Transport | 16.79 | 16.79 |
| JPWD-135365 | Rate: D1 by Transport | 1.26 | 1.22 |
| JPWD-135365 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-135365 | First of Month MDQ by Transport | 30.00 | 30.00 |
| JPWD-139622 | Rate: D1 by Transport | 0.48 | 0.47 |
| JPWD-139622 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-139622 | First of Month MDQ by Transport | 3.50 | 3.50 |
| JPWD-139624 | Rate: D1 by Transport | 12.17 | 11.77 |
| JPWD-139624 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-139624 | First of Month MDQ by Transport | 0.28 | 0.28 |
| JPWD-139626 | Rate: D1 by Transport | 0.48 | 0.47 |
| JPWD-139626 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-139626 | First of Month MDQ by Transport | 6.08 | 6.08 |
| JPWD-139627 | Rate: D1 by Transport | 12.17 | 11.77 |
| JPWD-139627 | Fuel by Transport | 0.15 | 0.15 |
| JPWD-139627 | First of Month MDQ by Transport | 0.49 | 0.49 |
| KINGSVALE | Rate: D1 by Transport | 14.98 | 14.50 |
| LAPI_INCRM | Rate: D1 by Transport | 7.58 | 7.33 |
| LAPI_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| LAPI_INCRM | Fuel by Transport | 0.00 | 0.00 |
| LAPI_INCRM S | Rate: Transportation by Transport | 0.01 | 0.01 |
| LAPI_INCRM S | Fuel by Transport | 0.00 | 0.00 |
| LAPI_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 |
| MADR_INCRM | Rate: D1 by Transport | 6.58 | 6.37 |
| MADR_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| MADR_INCRM | Fuel by Transport | 0.00 | 0.00 |
| MADR_INCRM | First of Month MDQ by Transport | 3.69 | 3.69 |
| MDDOSMSSPLOP | First of Month MDQ by Transport | 25.00 | 25.00 |
| MDDOSTAN | First of Month MDQ by Transport | 13.84 | 13.84 |
| MDDOZ10 | First of Month MDQ by Transport | 15.70 | 15.70 |
| MDDOZ11 | First of Month MDQ by Transport | 31.76 | 31.76 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| MDDOZ20 | First of Month MDQ by Transport | 56.20 | 56.20 |
| MDDOZ24 | First of Month MDQ by Transport | 14.25 | 14.25 |
| MDDOZ26 | First of Month MDQ by Transport | 44.64 | 44.64 |
| MDDOZ3S | First of Month MDQ by Transport | 41.50 | 41.50 |
| MDDOZ3W | First of Month MDQ by Transport | 62.86 | 62.86 |
| MDDOZMEO | First of Month MDQ by Transport | 24.42 | 24.42 |
| MDDOZMEW | First of Month MDQ by Transport | 25.67 | 25.67 |
| MOLALLA N-S | Rate: D1 by Transport | 12.17 | 11.77 |
| MOLALLA S-N | Rate: D1 by Transport | 12.71 | 12.30 |
| NOVA INCRM | Rate: D1 by Transport | 4.93 | 4.77 |
| NOVA INCRM | First of Month MDQ by Transport | 36.25 | 36.25 |
| NOVA20030393 | Rate: D1 by Transport | 3.46 | 3.34 |
| NOVA20030393 | First of Month MDQ by Transport | 21.97 | 21.97 |
| NWP100002N | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100002N | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100002N | Fuel by Transport | 1.28 | 1.28 |
| NWP100002N | First of Month MDQ by Transport | 116.87 | 116.87 |
| NWP100002S | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100002S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100002S | Fuel by Transport | 1.28 | 1.28 |
| NWP100002S | First of Month MDQ by Transport | 88.26 | 88.26 |
| NWP100064MEO | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100064MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100064MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP100064MEO | First of Month MDQ by Transport | 0.28 | 0.28 |
| NWP100064Z20 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100064Z20 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100064Z20 | Fuel by Transport | 1.28 | 1.28 |
| NWP100064Z20 | First of Month MDQ by Transport | 0.80 | 0.80 |
| NWP100134N11 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134N11 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134N11 | Fuel by Transport | 1.28 | 1.28 |
| NWP100134N11 | First of Month MDQ by Transport | 0.03 | 0.03 |
| NWP100134N20 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134N20 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134N20 | Fuel by Transport | 1.28 | 1.28 |
| NWP100134N20 | First of Month MDQ by Transport | 0.10 | 0.10 |
| NWP100134N3S | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134N3S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134N3S | Fuel by Transport | 1.28 | 1.28 |
| NWP100134N3S | First of Month MDQ by Transport | 0.04 | 0.04 |
| NWP100134S11 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134S11 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134S11 | Fuel by Transport | 1.28 | 1.28 |
| NWP100134S11 | First of Month MDQ by Transport | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| NWP100134S20 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134S20 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134S20 | Fuel by Transport | 1.28 | 1.28 |
| NWP100134S20 | First of Month MDQ by Transport | 0.10 | 0.10 |
| NWP100134S3S | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100134S3S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100134S3S | Fuel by Transport | 1.28 | 1.28 |
| NWP100134S3S | First of Month MDQ by Transport | 0.04 | 0.04 |
| NWP100149N | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100149N | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100149N | Fuel by Transport | 1.28 | 1.28 |
| NWP100149N | First of Month MDQ by Transport | 0.04 | 0.04 |
| NWP100149S | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100149S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100149S | Fuel by Transport | 1.28 | 1.28 |
| NWP100149S | First of Month MDQ by Transport | 0.03 | 0.03 |
| NWP100150N | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100150N | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100150N | Fuel by Transport | 1.28 | 1.28 |
| NWP100150N | First of Month MDQ by Transport | 0.09 | 0.09 |
| NWP100150S | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP100150S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP100150S | Fuel by Transport | 1.28 | 1.28 |
| NWP100150S | First of Month MDQ by Transport | 0.07 | 0.07 |
| NWP132329MEO | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP132329MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP132329MEO | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP132329MEW | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329MEW | Fuel by Transport | 1.28 | 1.28 |
| NWP132329MEW | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP132329Z24 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329Z24 | Fuel by Transport | 1.28 | 1.28 |
| NWP132329Z24 | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP132329Z26 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329Z26 | Fuel by Transport | 1.28 | 1.28 |
| NWP132329Z26 | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP132329Z3S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329Z3S | Fuel by Transport | 1.28 | 1.28 |
| NWP132329Z3S | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP132329Z3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP132329Z3W | Fuel by Transport | 1.28 | 1.28 |
| NWP132329Z3W | First of Month MDQ by Transport | 5.00 | 5.00 |
| NWP135558P26 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP135558P26 | Rate: Transportation by Transport | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| NWP135558P26 | Fuel by Transport | 1.28 | 1.28 |
| NWP135558P26 | First of Month MDQ by Transport | 4.00 | 4.00 |
| NWP135558P3S | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP135558P3S | Fuel by Transport | 1.28 | 1.28 |
| NWP135558P3S | First of Month MDQ by Transport | 4.00 | 4.00 |
| NWP135558P3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP135558P3W | Fuel by Transport | 1.28 | 1.28 |
| NWP135558P3W | First of Month MDQ by Transport | 4.00 | 4.00 |
| NWP135558S10 | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558S11 | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558S20 | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558S26 | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558S3S | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558S3W | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP135558SS | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP135558SS | Fuel by Transport | 1.28 | 1.28 |
| NWP135558SS | First of Month MDQ by Transport | 21.40 | 21.40 |
| NWP139090B3W | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139090B3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090B3W | Fuel by Transport | 1.28 | 1.28 |
| NWP139090B3W | First of Month MDQ by Transport | 8.07 | 8.07 |
| NWP139090DC | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090DC | Fuel by Transport | 1.28 | 1.28 |
| NWP139090DC | First of Month MDQ by Transport | 8.07 | 8.07 |
| NWP139090MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP139090MEO | First of Month MDQ by Transport | 6.16 | 6.16 |
| NWP139090Z10 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090Z10 | Fuel by Transport | 1.28 | 1.28 |
| NWP139090Z10 | First of Month MDQ by Transport | 0.03 | 0.03 |
| NWP139090Z11 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090Z11 | Fuel by Transport | 1.28 | 1.28 |
| NWP139090Z11 | First of Month MDQ by Transport | 0.31 | 0.31 |
| NWP139090Z26 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139090Z26 | Fuel by Transport | 1.28 | 1.28 |
| NWP139090Z26 | First of Month MDQ by Transport | 12.49 | 12.49 |
| NWP139382 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139382 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139382 | Fuel by Transport | 1.28 | 1.28 |
| NWP139382 | First of Month MDQ by Transport | 6.19 | 6.19 |
| NWP139383 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139383 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139383 | Fuel by Transport | 1.28 | 1.28 |
| NWP139383 | First of Month MDQ by Transport | 1.05 | 1.05 |
| NWP139384 | Rate: D1 by Transport | 12.17 | 11.77 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| NWP139384 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139384 | Fuel by Transport | 1.28 | 1.28 |
| NWP139384 | First of Month MDQ by Transport | 3.26 | 3.26 |
| NWP139630MEO | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139630MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139630MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP139630MEO | First of Month MDQ by Transport | 7.45 | 7.45 |
| NWP139630MEW | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139630MEW | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139630MEW | Fuel by Transport | 1.28 | 1.28 |
| NWP139630MEW | First of Month MDQ by Transport | 4.82 | 4.82 |
| NWP139630Z24 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139630Z24 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139630Z24 | Fuel by Transport | 1.28 | 1.28 |
| NWP139630Z24 | First of Month MDQ by Transport | 4.82 | 4.82 |
| NWP139637A3W | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139637A3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139637A3W | Fuel by Transport | 1.28 | 1.28 |
| NWP139637A3W | First of Month MDQ by Transport | 2.28 | 2.28 |
| NWP139637DC | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139637DC | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139637DC | Fuel by Transport | 1.28 | 1.28 |
| NWP139637DC | First of Month MDQ by Transport | 0.22 | 0.22 |
| NWP139637MEO | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139637MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139637MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP139637MEO | First of Month MDQ by Transport | 2.74 | 2.74 |
| NWP139637Z11 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139637Z11 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139637Z11 | Fuel by Transport | 1.28 | 1.28 |
| NWP139637Z11 | First of Month MDQ by Transport | 2.00 | 2.00 |
| NWP139637Z3W | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP139637Z3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP139637Z3W | Fuel by Transport | 1.28 | 1.28 |
| NWP139637Z3W | First of Month MDQ by Transport | 0.22 | 0.22 |
| NWP140047DC | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP140047DC | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140047DC | Fuel by Transport | 1.28 | 1.28 |
| NWP140047DC | First of Month MDQ by Transport | 15.00 | 15.00 |
| NWP140047Z3W | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140047Z3W | Fuel by Transport | 1.28 | 1.28 |
| NWP140047Z3W | First of Month MDQ by Transport | 15.00 | 15.00 |
| NWP140748MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140748MEO | Fuel by Transport | 1.28 | 1.28 |
| NWP140748MEO | First of Month MDQ by Transport | 1.00 | 1.00 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| NWP140748MEW | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140748MEW | Fuel by Transport | 1.28 | 1.28 |
| NWP140748MEW | First of Month MDQ by Transport | 1.00 | 1.00 |
| NWP140748Z24 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140748Z24 | Fuel by Transport | 1.28 | 1.28 |
| NWP140748Z24 | First of Month MDQ by Transport | 1.00 | 1.00 |
| NWP140748Z26 | Rate: D1 by Transport | 12.17 | 11.77 |
| NWP140748Z26 | Rate: Transportation by Transport | 0.03 | 0.03 |
| NWP140748Z26 | Fuel by Transport | 1.28 | 1.28 |
| NWP140748Z26 | First of Month MDQ by Transport | 1.00 | 1.00 |
| NWPJPIN | First of Month MDQ by Transport | 100.00 | 100.00 |
| NWPPLIN | First of Month MDQ by Transport | 100.00 | 100.00 |
| NWPSTOSTAN | First of Month MDQ by Transport | 21.40 | 21.40 |
| PALOMAR E-W | Rate: D1 by Transport | 24.80 | 24.00 |
| PALOMAR W-E | Rate: D1 by Transport | 24.80 | 24.00 |
| PLWD-100304 | Rate: D1 by Transport | 12.17 | 11.77 |
| PLWD-100304 | Fuel by Transport | 0.53 | 0.53 |
| PLWD-100304 | First of Month MDQ by Transport | 1.54 | 1.54 |
| PLWD-100601 | Rate: D1 by Transport | 0.80 | 0.78 |
| PLWD-100601 | Fuel by Transport | 0.53 | 0.53 |
| PLWD-100601 | First of Month MDQ by Transport | 60.00 | 60.00 |
| PLWD-140857 | Rate: D1 by Transport | 0.80 | 0.78 |
| PLWD-140857 | Fuel by Transport | 0.53 | 0.53 |
| PLWD-140857 | First of Month MDQ by Transport | 18.13 | 18.13 |
| PLWD-141193 | Rate: D1 by Transport | 12.17 | 11.77 |
| PLWD-141193 | Fuel by Transport | 0.53 | 0.53 |
| PLWD-141193 | First of Month MDQ by Transport | 10.68 | 10.68 |
| PRNG_INCRM | Rate: D1 by Transport | 7.08 | 6.85 |
| PRNG_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| PRNG_INCRM | Fuel by Transport | 0.00 | 0.00 |
| PRONG_INCRMS | Rate: Transportation by Transport | 0.01 | 0.01 |
| PRONG_INCRMS | Fuel by Transport | 0.00 | 0.00 |
| PRONG_INCRMS | First of Month MDQ by Transport | 0.00 | 100.00 |
| PRVL_INCRM | Rate: D1 by Transport | 6.81 | 6.59 |
| PRVL_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| PRVL_INCRM | Fuel by Transport | 0.00 | 0.00 |
| PRVL_INCRM | First of Month MDQ by Transport | 4.78 | 4.78 |
| REDM_INCR | Rate: D1 by Transport | 6.96 | 6.74 |
| REDM_INCR | Rate: Transportation by Transport | 0.01 | 0.01 |
| REDM_INCR | Fuel by Transport | 0.00 | 0.00 |
| REDM_INCR | First of Month MDQ by Transport | 6.28 | 6.28 |
| REDM_INCRM S | First of Month MDQ by Transport | 0.00 | 100.00 |
| RUBY INCRM | Rate: D1 by Transport | 32.24 | 31.20 |
| RUBY INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| RUBY_BND | First of Month MDQ by Transport | 15.00 | 15.00 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| RUBY_CHEM | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_GILC | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_LAPI | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_MADR | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_PRNG | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_PRVL | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_REDM | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_SNTP | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY_STEA | First of Month MDQ by Transport | 15.00 | 15.00 |
| RUBY6103600B | Rate: D1 by Transport | 23.25 | 22.50 |
| RUBY6103600B | Rate: Transportation by Transport | 0.01 | 0.01 |
| RUBY6103600B | First of Month MDQ by Transport | 15.00 | 15.00 |
| SNTP_INCRM | Rate: D1 by Transport | 4.87 | 4.71 |
| SNTP_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 |
| SNTP_INCRM | Fuel by Transport | 0.00 | 0.00 |
| SNTP_INCRM | First of Month MDQ by Transport | 0.36 | 0.36 |
| SPOK EXP | Rate: D1 by Transport | 22.94 | 22.20 |
| SPOK EXP | Rate: Transportation by Transport | 0.03 | 0.03 |
| SPOK EXP | Fuel by Transport | 1.28 | 1.28 |
| STAN EXP MEO | Rate: D1 by Transport | 22.94 | 22.20 |
| STAN EXP MEO | Rate: Transportation by Transport | 0.03 | 0.03 |
| STAN EXP MEO | Fuel by Transport | 1.28 | 1.28 |
| STAN EXP MEW | Rate: D1 by Transport | 22.94 | 22.20 |
| STAN EXP MEW | Rate: Transportation by Transport | 0.03 | 0.03 |
| STAN EXP MEW | Fuel by Transport | 1.28 | 1.28 |
| STAN EXP Z24 | Rate: D1 by Transport | 22.94 | 22.20 |
| STAN EXP Z24 | Rate: Transportation by Transport | 0.03 | 0.03 |
| STAN EXP Z24 | Fuel by Transport | 1.28 | 1.28 |
| STAR_TO_NWPN | First of Month MDQ by Transport | 100.00 | 100.00 |
| STEA_INCRM | Rate: D1 by Transport | 7.38 | 7.14 |
| STEA_INCRM | Rate: Transportation by Transport | 0.01 | 0.01 |
| STEA_INCRM | Fuel by Transport | 0.00 | 0.00 |
| STHXING E-W | Rate: D1 by Transport | 12.75 | 12.34 |
| STHXING W-E | Rate: D1 by Transport | 12.75 | 12.34 |
| TRQFL INCRM | Rate: D1 by Transport | 4.43 | 4.29 |
| TRQFL INCRM | Rate: Transportation by Transport | 0.00 | 0.00 |
| TRQFL INCRM | Fuel by Transport | 0.00 | 0.00 |
| WALU_INCRM | Rate: D1 by Transport | 4.87 | 4.71 |
| WALU_INCRM | Rate: Transportation by Transport | 0.00 | 0.00 |
| WALU_INCRM | Fuel by Transport | 0.00 | 0.00 |
| WC INCR | Rate: D1 by Transport | 14.98 | 14.50 |
| WCFI2583B00 | Rate: D1 by Transport | 14.98 | 14.50 |
| WCFI2583B00 | First of Month MDQ by Transport | 20.00 | 20.00 |
| WEN EXP Z10 | Rate: D1 by Transport | 136.40 | 132.00 |
| WEN EXP Z10 | Rate: Transportation by Transport | 0.03 | 0.03 |

| Transport | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| WEN EXP Z10 | Fuel by Transport | 1.28 | 1.28 |
| WEN EXP Z11 | Rate: D1 by Transport | 136.40 | 132.00 |
| WEN EXP Z11 | Rate: Transportation by Transport | 0.03 | 0.03 |
| WEN EXP Z11 | Fuel by Transport | 1.28 | 1.28 |

| Storage | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 635.93 | 81.41 | 0.00 | 0.00 | 0.00 | 0.00 | 541.53 | 791.38 | 1473.32 | 1529.40 | 1529.40 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 99.03 | 272.30 | 22.09 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 184.84 | 27.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.15 | 0.41 | 0.03 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 311.59 | 32.67 | 0.00 | 0.00 | 0.00 | 0.00 | 159.91 | 362.84 | 362.84 | 453.60 | 453.60 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 80.43 | 0.00 | 35.75 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 92.97 | 10.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.12 | 0.00 | 0.05 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.14 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 185.01 | 19.91 | 0.00 | 0.00 | 0.00 | 0.00 | 92.10 | 92.10 | 208.10 | 260.36 | 260.36 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 46.32 | 20.59 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 55.03 | 6.64 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 943.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 313.62 | 313.62 | 708.65 | 886.62 | 886.62 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 314.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1505.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 505.68 | 1147.40 | 1147.40 | 1434.36 | 1434.36 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 254.34 | 0.00 | 113.04 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 501.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 |

| Storage | Data Item | 1/1/2018 | 2/1/2018 | 3/1/2018 | 4/1/2018 | 5/1/2018 | 6/1/2018 | 7/1/2018 | 8/1/2018 | 9/1/2018 | 10/1/2018 | 11/1/2018 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.35 | 0.00 | 0.60 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 245.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 89.95 | 204.09 | 204.09 | 255.13 | 255.13 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 45.24 | 0.00 | 20.11 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 81.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.24 | 0.00 | 0.11 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 20.19 | 20.19 | 20.19 | 43.17 | 108.55 | 108.55 | 108.55 | 108.55 | 108.55 | 108.55 | 108.55 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 7.60 | 23.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1529.40 | 401.13 | 32.51 | 0.00 | 0.00 | 0.00 | 0.00 | 539.55 | 1233.14 | 1233.14 | 1540.48 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 272.37 | 0.00 | 121.05 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.41 | 0.00 | 0.18 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 453.60 | 123.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 159.33 | 159.33 | 455.31 | 455.31 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 116.17 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 129.92 | 48.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.17 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 260.36 | 70.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 91.76 | 91.76 | 262.23 | 262.23 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 66.91 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 74.82 | 27.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.10 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 886.62 | 94.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 312.47 | 841.15 | 841.15 | 892.52 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 207.61 | 0.00 | 20.23 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 312.83 | 37.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.31 | 0.00 | 0.03 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.47 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1434.36 | 902.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 503.84 | 503.98 | 1151.84 | 1438.84 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 0.06 | 254.28 | 113.04 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 208.34 | 353.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 12/1/2018 | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 | 9/1/2019 | 10/1/2019 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.35 | 0.60 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 1.10 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 255.13 | 161.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 89.62 | 89.62 | 204.88 | 255.93 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 | 45.24 | 20.11 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 36.69 | 63.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.24 | 0.11 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.19 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 108.55 | 15.08 | 15.08 | 15.09 | 106.66 | 106.66 | 106.66 | 106.66 | 106.66 | 106.66 | 106.66 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1540.48 | 1540.48 | 404.04 | 32.74 | 0.00 | 0.00 | 0.00 | 0.00 | 541.14 | 1328.32 | 1328.32 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 302.62 | 0.00 | 90.80 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.45 | 0.00 | 0.14 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 455.31 | 455.31 | 123.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 159.80 | 159.80 | 401.55 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 92.81 | 23.36 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 129.92 | 48.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.14 | 0.04 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 262.23 | 262.23 | 71.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 92.03 | 92.03 | 212.69 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 46.32 | 20.59 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 74.82 | 27.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.03 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 892.52 | 892.52 | 816.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 313.39 | 723.70 | 723.70 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 157.74 | 0.00 | 70.11 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 30.00 | 320.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.24 | 0.00 | 0.11 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.05 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1438.84 | 1438.84 | 1285.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 505.32 | 505.32 | 1462.26 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 0.00 | 367.38 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 60.00 | 502.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 |

| Storage | Data Item | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.95 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.32 | 2.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 255.93 | 255.93 | 209.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 89.88 | 207.56 | 207.56 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 45.24 | 0.00 | 20.11 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 18.13 | 81.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.24 | 0.00 | 0.11 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.10 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 106.66 | 106.66 | 14.81 | 14.81 | 14.82 | 108.86 | 108.86 | 108.86 | 108.86 | 108.86 | 108.86 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1565.61 | 1565.61 | 1565.61 | 410.63 | 33.28 | 0.00 | 0.00 | 0.00 | 0.00 | 576.97 | 576.97 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 0.00 | 272.37 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.41 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 462.63 | 462.63 | 462.63 | 81.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 170.37 | 170.37 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 116.17 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 146.99 | 31.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.17 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.22 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 266.50 | 266.50 | 266.50 | 47.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 98.13 | 98.13 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 66.91 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 84.66 | 18.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.10 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 906.91 | 906.91 | 906.91 | 72.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 334.14 | 819.32 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 179.03 | 48.82 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 321.98 | 28.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.27 | 0.07 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1462.26 | 1462.26 | 1462.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 538.78 | 1260.80 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 266.42 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 562.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 |

| Storage | Data Item | 10/1/2020 | 11/1/2020 | 12/1/2020 | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.41 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 260.11 | 260.11 | 260.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 95.83 | 272.93 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 65.35 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.35 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 108.86 | 108.86 | 108.86 | 15.12 | 15.12 | 15.13 | 110.72 | 110.72 | 110.72 | 110.72 | 110.72 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1311.81 | 1638.72 | 1638.72 | 1638.72 | 429.81 | 34.83 | 0.00 | 0.00 | 0.00 | 0.00 | 587.87 |
| JP-1 | Injected Gross Vol: Storage Mthly | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 148.69 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.22 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 483.81 | 483.81 | 483.81 | 483.81 | 85.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 173.59 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 146.99 | 31.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.22 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 278.64 | 278.64 | 278.64 | 278.64 | 49.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 99.98 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 84.66 | 18.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 951.03 | 951.03 | 951.03 | 951.03 | 76.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 340.46 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 321.98 | 28.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1260.80 | 1533.48 | 1533.48 | 1533.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 548.96 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 100.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 367.38 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 562.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.95 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 272.93 | 272.93 | 272.93 | 272.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 97.64 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 110.72 | 110.72 | 110.72 | 110.72 | 15.38 | 15.38 | 15.39 | 111.59 | 111.59 | 111.59 | 111.59 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 994.36 | 1408.41 | 1660.76 | 1660.76 | 1660.76 | 435.59 | 35.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 152.09 | 92.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.23 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 173.59 | 392.54 | 489.92 | 489.92 | 489.92 | 133.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 80.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 | 48.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.12 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 99.98 | 226.08 | 282.16 | 282.16 | 282.16 | 76.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 46.32 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 74.82 | 27.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 340.46 | 769.87 | 960.87 | 960.87 | 960.87 | 236.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 263.81 | 86.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1553.29 | 1553.29 | 1553.29 | 1553.29 | 1553.29 | 456.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 396.85 | 165.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 |

| Storage | Data Item | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 97.64 | 275.54 | 275.54 | 275.54 | 275.54 | 161.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 41.31 | 58.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 111.59 | 111.59 | 111.59 | 111.59 | 111.59 | 15.50 | 15.50 | 15.51 | 112.62 | 112.62 | 112.62 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 602.46 | 917.58 | 1525.19 | 1696.24 | 1696.24 | 1696.24 | 444.89 | 36.05 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 112.74 | 219.05 | 61.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 63.50 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.17 | 0.33 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 177.90 | 177.90 | 401.00 | 500.21 | 500.21 | 500.21 | 136.06 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 80.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 | 48.54 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.12 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 102.46 | 102.46 | 230.95 | 288.09 | 288.09 | 288.09 | 78.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 46.32 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 74.82 | 27.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 348.90 | 348.90 | 786.44 | 981.02 | 981.02 | 981.02 | 325.96 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 233.71 | 116.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 562.58 | 1554.49 | 1554.49 | 1589.20 | 1589.20 | 1589.20 | 1170.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 354.87 | 0.00 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.16 | 414.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 1.88 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 100.07 | 226.52 | 226.52 | 282.34 | 282.34 | 282.34 | 231.16 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 45.24 | 0.00 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.13 | 81.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.24 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 112.62 | 112.62 | 112.62 | 112.62 | 112.62 | 112.62 | 15.64 | 15.64 | 15.65 | 113.43 | 113.43 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 184.37 | 616.16 | 1290.50 | 1667.30 | 1738.73 | 1738.73 | 1738.73 | 456.04 | 36.95 | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 148.34 | 235.85 | 132.46 | 25.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.22 | 0.35 | 0.20 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 0.00 | 182.09 | 514.26 | 514.26 | 514.26 | 514.26 | 514.26 | 90.69 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 62.55 | 116.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 146.99 | 31.47 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.09 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.05 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 104.60 | 104.60 | 104.60 | 264.80 | 294.93 | 294.93 | 294.93 | 52.01 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 56.31 | 10.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 84.66 | 18.12 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 0.00 | 357.12 | 808.12 | 808.12 | 1007.52 | 1007.52 | 1007.52 | 80.64 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 122.68 | 157.74 | 0.00 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 321.98 | 28.02 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.18 | 0.24 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 575.82 | 575.82 | 1299.32 | 1620.83 | 1620.83 | 1620.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 197.82 | 0.00 | 254.34 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 562.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 |

| Storage | Data Item | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 1/1/2025 | 2/1/2025 | 3/1/2025 | 4/1/2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 1.05 | 0.00 | 1.35 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 102.42 | 102.42 | 288.31 | 288.31 | 288.31 | 288.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 35.19 | 0.00 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.19 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 113.43 | 113.43 | 113.43 | 113.43 | 113.43 | 113.43 | 107.13 | 9.45 | 9.45 | 16.29 | 115.47 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 31.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 223.26 | 623.91 | 1443.24 | 1546.91 | 1754.13 | 1754.13 | 1754.13 | 460.08 | 37.28 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 76.07 | 135.77 | 284.89 | 36.19 | 72.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.11 | 0.20 | 0.43 | 0.05 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 | 184.60 | 184.60 | 499.08 | 517.43 | 517.43 | 517.43 | 159.28 | 3.65 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 62.55 | 0.00 | 109.76 | 6.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.09 | 0.00 | 0.16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 106.32 | 106.32 | 298.01 | 298.01 | 298.01 | 298.01 | 91.73 | 2.10 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 36.03 | 0.00 | 66.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.05 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 362.04 | 1017.30 | 1017.30 | 1017.30 | 1017.30 | 1017.30 | 213.54 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 122.68 | 227.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 276.53 | 73.47 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.18 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.11 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 | 583.76 | 583.76 | 1312.44 | 1636.23 | 1636.23 | 1636.23 | 1397.97 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 197.82 | 0.00 | 254.34 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 81.87 | 480.33 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 |

| Storage | Data Item | 5/1/2025 | 6/1/2025 | 7/1/2025 | 8/1/2025 | 9/1/2025 | 10/1/2025 | 11/1/2025 | 12/1/2025 | 1/1/2026 | 2/1/2026 | 3/1/2026 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 1.05 | 0.00 | 1.35 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 2.55 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 103.83 | 103.83 | 233.45 | 291.04 | 291.04 | 291.04 | 201.33 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 35.19 | 0.00 | 45.24 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 30.82 | 69.18 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.19 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.37 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 115.47 | 115.47 | 115.47 | 115.47 | 115.47 | 115.47 | 115.47 | 115.47 | 16.04 | 16.04 | 16.05 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 0.00 | 209.15 | 633.62 | 633.62 | 1553.00 | 1770.96 | 1770.96 | 1770.96 | 464.49 | 37.64 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 70.34 | 141.50 | 0.00 | 318.02 | 75.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.11 | 0.21 | 0.00 | 0.48 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 187.65 | 187.65 | 523.51 | 523.51 | 523.51 | 523.51 | 161.15 | 3.69 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 62.55 | 0.00 | 116.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.09 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 108.08 | 108.08 | 301.51 | 301.51 | 301.51 | 301.51 | 92.81 | 2.13 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 36.03 | 0.00 | 66.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.05 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 368.03 | 1029.53 | 1029.53 | 1029.53 | 1029.53 | 1029.53 | 241.77 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 122.68 | 227.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 267.81 | 82.19 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.18 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.12 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 593.42 | 1294.12 | 1331.69 | 1658.45 | 1658.45 | 1658.45 | 853.76 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 197.82 | 241.34 | 12.99 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 272.78 | 289.42 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 |

| Storage | Data Item | 4/1/2026 | 5/1/2026 | 6/1/2026 | 7/1/2026 | 8/1/2026 | 9/1/2026 | 10/1/2026 | 11/1/2026 | 12/1/2026 | 1/1/2027 | 2/1/2027 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 1.05 | 1.28 | 0.07 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 1.53 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 105.55 | 236.90 | 236.90 | 295.02 | 295.02 | 295.02 | 111.44 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 35.19 | 45.24 | 0.00 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.22 | 37.78 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.19 | 0.24 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.20 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| RC-1 | Beg Inv Value | 116.90 | 116.90 | 116.90 | 116.90 | 116.90 | 116.90 | 116.90 | 116.90 | 116.90 | 16.24 | 16.24 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 645.27 | 1432.46 | 1448.85 | 1804.71 | 1804.71 | 1804.71 | 473.34 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 211.84 | 266.79 | 5.58 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.32 | 0.40 | 0.01 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 190.54 | 533.33 | 533.33 | 533.33 | 533.33 | 533.33 | 145.06 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 62.55 | 116.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 | 48.54 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.09 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.07 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 46.94 | 109.17 | 306.59 | 306.59 | 306.59 | 306.59 | 306.59 | 83.39 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 15.60 | 20.43 | 66.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 74.82 | 27.96 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.02 | 0.03 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.04 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 373.70 | 373.70 | 837.03 | 1043.13 | 1043.13 | 1043.13 | 99.72 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 316.54 | 33.46 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.05 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 602.56 | 602.56 | 1633.21 | 1681.73 | 1681.73 | 1681.73 | 767.12 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 197.82 | 0.00 | 350.87 | 16.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 305.75 | 256.45 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 |

| Storage | Data Item | 3/1/2027 | 4/1/2027 | 5/1/2027 | 6/1/2027 | 7/1/2027 | 8/1/2027 | 9/1/2027 | 10/1/2027 | 11/1/2027 | 12/1/2027 | 1/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.86 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 1.36 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 105.88 | 105.88 | 298.69 | 298.69 | 298.69 | 298.69 | 298.69 | 229.86 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 35.19 | 0.00 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.05 | 76.95 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.19 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.41 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 |
| RC-1 | Beg Inv Value | 16.25 | 119.16 | 119.16 | 119.16 | 119.16 | 119.16 | 119.16 | 119.16 | 119.16 | 119.16 | 16.55 |
| RC-1 | Injected Gross Vol: Storage Mthly | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 38.36 | 0.00 | 0.00 | 0.00 | 59.87 | 648.99 | 1046.43 | 1706.73 | 1806.45 | 1806.45 | 1806.45 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 19.89 | 191.95 | 134.26 | 225.18 | 33.98 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.03 | 0.29 | 0.20 | 0.34 | 0.05 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 191.99 | 430.08 | 430.08 | 534.98 | 534.98 | 534.98 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 80.43 | 0.00 | 35.75 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.12 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.57 | 110.57 | 306.77 | 306.77 | 306.77 | 306.77 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 66.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 74.82 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 376.53 | 376.53 | 1022.91 | 1044.65 | 1044.65 | 1044.65 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 | 220.44 | 7.41 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 213.11 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.33 | 0.01 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 607.13 | 1360.05 | 1360.05 | 1691.79 | 1691.79 | 1691.79 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 254.34 | 0.00 | 113.04 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 182.31 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 2/1/2028 | 3/1/2028 | 4/1/2028 | 5/1/2028 | 6/1/2028 | 7/1/2028 | 8/1/2028 | 9/1/2028 | 10/1/2028 | 11/1/2028 | 12/1/2028 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.35 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 107.99 | 241.92 | 241.92 | 300.92 | 300.92 | 300.92 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 45.24 | 0.00 | 20.11 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.13 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.24 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| RC-1 | Beg Inv Value | 16.55 | 16.56 | 121.72 | 121.72 | 121.72 | 121.72 | 121.72 | 121.72 | 121.72 | 121.72 | 121.72 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 473.80 | 38.39 | 0.00 | 0.00 | 0.00 | 333.57 | 662.64 | 662.64 | 1479.42 | 1842.74 | 1842.74 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 106.70 | 105.14 | 0.00 | 272.37 | 121.05 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.41 | 0.18 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 145.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 195.79 | 195.79 | 436.98 | 544.27 | 544.27 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 80.43 | 35.75 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 48.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.12 | 0.05 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 83.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.77 | 251.67 | 251.67 | 313.46 | 313.46 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 46.32 | 0.00 | 20.59 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 27.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.00 | 0.03 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 408.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 384.00 | 1067.24 | 1067.24 | 1067.24 | 1067.24 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 227.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 136.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1143.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 619.17 | 1364.05 | 1637.78 | 1720.93 | 1720.93 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 248.40 | 91.28 | 27.70 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 379.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 |

| Storage | Data Item | 1/1/2029 | 2/1/2029 | 3/1/2029 | 4/1/2029 | 5/1/2029 | 6/1/2029 | 7/1/2029 | 8/1/2029 | 9/1/2029 | 10/1/2029 | 11/1/2029 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 1.32 | 0.48 | 0.15 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 246.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110.13 | 110.13 | 306.09 | 306.09 | 306.09 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 | 65.35 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 81.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 16.91 | 16.91 | 16.92 | 115.91 | 115.91 | 115.91 | 115.91 | 115.91 | 115.91 | 115.91 | 115.91 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1842.74 | 483.32 | 39.17 | 0.00 | 0.00 | 0.00 | 234.93 | 687.12 | 1858.13 | 1858.13 | 1919.74 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 70.21 | 141.63 | 373.79 | 0.00 | 19.63 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.21 | 0.56 | 0.00 | 0.03 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.15 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 544.27 | 167.54 | 3.84 | 0.00 | 0.00 | 0.00 | 209.30 | 209.30 | 573.26 | 573.26 | 573.26 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 116.17 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 313.46 | 96.49 | 2.21 | 0.00 | 0.00 | 0.00 | 120.55 | 120.55 | 120.55 | 265.67 | 330.26 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 0.00 | 46.32 | 20.59 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.07 | 0.03 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 1067.24 | 582.36 | 0.00 | 0.00 | 0.00 | 0.00 | 410.49 | 410.49 | 410.49 | 1046.76 | 1124.42 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 | 0.00 | 203.09 | 24.75 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 159.02 | 190.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.30 | 0.04 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.24 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1720.93 | 851.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 631.60 | 631.60 | 1428.42 | 1783.09 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 | 0.00 | 254.34 | 113.04 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 284.01 | 278.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 12/1/2029 | 1/1/2030 | 2/1/2030 | 3/1/2030 | 4/1/2030 | 5/1/2030 | 6/1/2030 | 7/1/2030 | 8/1/2030 | 9/1/2030 | 10/1/2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.35 | 0.60 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 1.51 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 306.09 | 47.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 112.34 | 213.04 | 254.07 | 317.16 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 32.14 | 13.10 | 20.11 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 84.43 | 15.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.17 | 0.07 | 0.11 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.45 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 115.70 | 15.90 | 15.90 | 16.12 | 113.09 | 113.09 | 113.09 | 113.09 | 113.09 | 113.09 | 113.09 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.07 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1919.74 | 1919.74 | 673.36 | 86.20 | 0.00 | 0.00 | 0.00 | 0.00 | 708.10 | 708.10 | 1961.66 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 0.00 | 393.42 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 392.37 | 184.84 | 27.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.59 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.59 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 573.26 | 573.26 | 176.46 | 4.04 | 0.00 | 0.00 | 0.00 | 0.00 | 209.10 | 465.36 | 465.36 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 80.43 | 0.00 | 35.75 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.12 | 0.00 | 0.05 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 330.26 | 330.26 | 101.66 | 2.33 | 0.00 | 0.00 | 0.00 | 0.00 | 120.43 | 120.43 | 268.02 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 0.00 | 46.32 | 20.59 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.03 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 1124.42 | 1124.42 | 247.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 410.08 | 795.86 | 912.68 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 121.07 | 36.66 | 70.11 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 273.07 | 76.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.18 | 0.05 | 0.11 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.41 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1783.09 | 1783.09 | 937.22 | 0.00 | 0.00 | 0.00 | 0.00 | 239.58 | 661.92 | 1687.56 | 1687.56 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.47 | 126.35 | 321.89 | 0.00 | 45.49 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 266.70 | 295.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 |

| Storage | Data Item | 11/1/2030 | 12/1/2030 | 1/1/2031 | 2/1/2031 | 3/1/2031 | 4/1/2031 | 5/1/2031 | 6/1/2031 | 7/1/2031 | 8/1/2031 | 9/1/2031 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.67 | 1.71 | 0.00 | 0.24 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 1.41 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.00 | 0.53 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 317.16 | 317.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 117.96 | 117.96 | 117.96 | 262.11 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 | 0.00 | 45.24 | 20.11 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.24 | 0.11 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.53 | 0.53 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 113.09 | 113.09 | 15.91 | 15.91 | 15.91 | 113.30 | 113.30 | 113.30 | 113.30 | 113.30 | 113.30 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 30.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 30.93 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1961.66 | 1961.66 | 1961.66 | 514.51 | 41.69 | 0.00 | 0.00 | 0.00 | 468.98 | 714.84 | 1622.42 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 137.97 | 73.88 | 272.37 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.11 | 0.41 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 579.44 | 579.44 | 579.44 | 178.37 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 208.19 | 208.19 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 0.00 | 116.17 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.17 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 333.72 | 333.72 | 333.72 | 102.73 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 | 119.90 | 274.26 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 46.32 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 1136.41 | 1136.41 | 1136.41 | 378.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 408.30 | 809.68 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 120.45 | 59.02 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 233.31 | 116.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.18 | 0.09 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.35 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1832.73 | 1832.73 | 1832.73 | 910.36 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 658.41 | 658.41 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 197.48 | 0.00 | 367.38 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 282.94 | 279.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 |

| Storage | Data Item | 10/1/2031 | 11/1/2031 | 12/1/2031 | 1/1/2032 | 2/1/2032 | 3/1/2032 | 4/1/2032 | 5/1/2032 | 6/1/2032 | 7/1/2032 | 8/1/2032 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.95 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 1.50 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.53 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 326.26 | 326.26 | 326.26 | 30.59 | 0.00 | 0.00 | 0.00 | 0.00 | 119.61 | 119.61 | 270.36 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 | 45.24 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 90.63 | 9.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.24 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.48 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 113.30 | 113.30 | 113.30 | 15.75 | 15.75 | 15.75 | 114.54 | 114.54 | 114.54 | 114.54 | 114.54 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 1622.42 | 2010.18 | 2010.18 | 2010.18 | 527.23 | 42.72 | 0.00 | 0.00 | 0.00 | 0.00 | 660.84 |
| JP-1 | Injected Gross Vol: Storage Mthly | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 211.84 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 579.77 | 579.77 | 579.77 | 579.77 | 178.47 | 4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 195.14 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 | 63.56 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.10 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 274.26 | 340.20 | 340.20 | 340.20 | 104.72 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 112.39 |
| JP-3 | Injected Gross Vol: Storage Mthly | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 | 46.32 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 998.47 | 1153.38 | 1153.38 | 1153.38 | 202.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 382.71 |
| JP-4 | Injected Gross Vol: Storage Mthly | 48.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 288.55 | 61.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.43 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 1833.46 | 1833.46 | 1833.46 | 1833.46 | 833.78 | 0.00 | 0.00 | 0.00 | 0.00 | 294.98 | 617.62 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 94.39 | 103.43 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 306.54 | 255.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 9/1/2032 | 10/1/2032 | 11/1/2032 | 12/1/2032 | 1/1/2033 | 2/1/2033 | 3/1/2033 | 4/1/2033 | 5/1/2033 | 6/1/2033 | 7/1/2033 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.55 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 1.62 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 270.36 | 334.76 | 334.76 | 334.76 | 233.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 109.76 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 30.25 | 69.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.16 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 114.54 | 114.54 | 114.54 | 114.54 | 15.91 | 15.92 | 15.92 | 116.60 | 116.60 | 116.60 | 116.60 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 660.84 | 1556.66 | 1962.08 | 1962.08 | 1962.08 | 688.20 | 88.10 | 0.00 | 0.00 | 0.00 | 282.72 |
| JP-1 | Injected Gross Vol: Storage Mthly | 272.37 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 91.09 | 120.75 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 392.37 | 184.84 | 27.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.41 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.18 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 512.22 | 567.69 | 687.40 | 687.40 | 687.40 | 211.60 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 16.86 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 343.46 | 343.46 | 411.67 | 411.67 | 411.67 | 126.72 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.03 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 382.71 | 901.51 | 1136.30 | 1136.30 | 1136.30 | 242.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 122.68 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 275.42 | 74.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 617.62 | 1454.15 | 1832.73 | 1832.73 | 1832.73 | 809.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 254.34 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 197.82 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 313.82 | 248.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 | 46.44 |

| Storage | Data Item | 8/1/2033 | 9/1/2033 | 10/1/2033 | 11/1/2033 | 12/1/2033 | 1/1/2034 | 2/1/2034 | 3/1/2034 | 4/1/2034 | 5/1/2034 | 6/1/2034 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 1.35 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 109.76 | 258.56 | 325.47 | 325.47 | 325.47 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 45.24 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.19 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 79.92 | 20.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 116.60 | 116.60 | 116.60 | 116.60 | 116.60 | 16.19 | 16.21 | 16.21 | 119.75 | 119.75 | 119.75 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 656.92 | 656.92 | 1564.55 | 1966.93 | 1966.93 | 1966.93 | 689.91 | 88.32 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 272.37 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.02 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 392.37 | 184.84 | 27.14 | 0.00 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.41 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 193.85 | 193.85 | 461.87 | 580.44 | 580.44 | 580.44 | 178.67 | 4.09 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 80.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 62.55 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.12 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 111.65 | 111.65 | 266.01 | 334.30 | 334.30 | 334.30 | 102.90 | 2.36 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 46.32 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 380.19 | 1065.60 | 1118.31 | 1353.51 | 1353.51 | 1353.51 | 115.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 141.92 | 15.82 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 320.05 | 29.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.21 | 0.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 613.02 | 613.02 | 1460.57 | 1835.78 | 1835.78 | 1835.78 | 719.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 254.34 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 341.96 | 220.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 | 47.99 |

| Storage | Data Item | 7/1/2034 | 8/1/2034 | 9/1/2034 | 10/1/2034 | 11/1/2034 | 12/1/2034 | 1/1/2035 | 2/1/2035 | 3/1/2035 | 4/1/2035 | 5/1/2035 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 1.35 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 109.04 | 109.04 | 259.80 | 326.49 | 326.49 | 326.49 | 208.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 45.24 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 36.25 | 63.75 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 119.75 | 119.75 | 119.75 | 119.75 | 119.75 | 119.75 | 16.64 | 16.64 | 16.64 | 124.11 | 124.11 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 71.10 | 653.33 | 653.33 | 1569.05 | 1970.30 | 1970.30 | 1970.30 | 516.77 | 41.88 | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 188.82 | 0.00 | 272.37 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.28 | 0.00 | 0.41 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 193.19 | 193.19 | 193.19 | 463.59 | 582.08 | 582.08 | 582.08 | 179.18 | 4.10 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 80.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.12 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 0.00 | 111.09 | 111.09 | 266.83 | 335.07 | 335.07 | 335.07 | 103.14 | 2.36 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 36.03 | 0.00 | 46.32 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.05 | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 0.00 | 378.30 | 378.30 | 908.63 | 1141.00 | 1141.00 | 1141.00 | 323.46 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 122.68 | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 250.78 | 99.22 | 0.00 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.18 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.15 | 0.00 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 609.98 | 1384.55 | 1685.51 | 2060.07 | 2060.07 | 2060.07 | 858.68 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 197.82 | 164.82 | 89.52 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 327.86 | 234.34 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 | 46.44 |

| Storage | Data Item | 6/1/2035 | 7/1/2035 | 8/1/2035 | 9/1/2035 | 10/1/2035 | 11/1/2035 | 12/1/2035 | 1/1/2036 | 2/1/2036 | 3/1/2036 | 4/1/2036 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 1.05 | 0.87 | 0.47 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 1.24 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 108.50 | 108.50 | 260.60 | 327.24 | 327.24 | 327.24 | 164.16 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 35.19 | 0.00 | 45.24 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 49.83 | 50.17 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.19 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.27 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 124.11 | 124.11 | 124.11 | 124.11 | 124.11 | 124.11 | 124.11 | 17.25 | 17.25 | 17.25 | 128.18 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 0.00 | 643.78 | 643.78 | 1598.27 | 2004.29 | 2004.29 | 2004.29 | 525.69 | 42.60 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 211.84 | 0.00 | 272.37 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 445.84 | 145.67 | 12.84 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 | 8.11 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 | 10.68 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.32 | 0.00 | 0.41 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.22 | 0.02 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 |
| JP-2 | Beg Inv Value | 0.00 | 190.40 | 190.40 | 353.62 | 498.82 | 618.72 | 618.72 | 618.72 | 109.11 | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 62.55 | 0.00 | 39.00 | 41.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 146.99 | 31.47 | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 | 7.62 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 | 19.20 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.09 | 0.00 | 0.06 | 0.06 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.05 | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.15 | 0.00 | 0.15 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 109.49 | 109.49 | 343.96 | 343.96 | 343.96 | 343.96 | 60.66 | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 36.03 | 0.00 | 66.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 84.66 | 18.12 | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 | 1.69 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 | 1.82 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.05 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.03 | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 372.83 | 372.83 | 925.61 | 1160.75 | 1160.75 | 1160.75 | 92.91 | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 122.68 | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 321.98 | 28.02 | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 | 14.49 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 | 6.18 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.18 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 48.64 | 601.24 | 1730.50 | 1730.50 | 2058.55 | 2058.55 | 2058.55 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 15.98 | 181.84 | 269.79 | 0.00 | 97.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 562.20 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 | 47.99 |

| Storage | Data Item | 5/1/2036 | 6/1/2036 | 7/1/2036 | 8/1/2036 | 9/1/2036 | 10/1/2036 | 11/1/2036 | 12/1/2036 | 1/1/2037 | 2/1/2037 | 3/1/2037 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 | 57.51 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.08 | 0.96 | 1.43 | 0.00 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.53 | 0.53 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 106.93 | 106.93 | 335.93 | 335.93 | 335.93 | 335.93 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 35.19 | 0.00 | 65.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 | 14.50 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 | 10.23 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.19 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.53 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 128.18 | 128.18 | 128.18 | 128.18 | 128.18 | 128.18 | 128.18 | 128.18 | 17.80 | 17.80 | 17.82 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 31.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 650.60 | 650.60 | 1579.76 | 1977.29 | 1977.29 | 1977.29 | 693.54 | 88.78 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 211.84 | 0.00 | 272.37 | 121.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 392.37 | 184.84 | 27.14 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.85 | 8.11 | 7.85 | 8.11 | 8.11 | 7.32 |
| JP-1 | D2 Cost: Storage | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 10.33 | 10.68 | 10.33 | 10.68 | 10.68 | 9.65 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.32 | 0.00 | 0.41 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.28 | 0.04 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 192.12 | 192.12 | 466.49 | 583.88 | 583.88 | 583.88 | 179.73 | 4.12 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 62.55 | 0.00 | 80.43 | 35.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 123.53 | 53.68 | 1.26 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 7.37 | 7.62 | 7.37 | 7.62 | 7.62 | 6.88 |
| JP-2 | D2 Cost: Storage | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 18.58 | 19.20 | 18.58 | 19.20 | 19.20 | 17.34 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.09 | 0.00 | 0.12 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.08 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 110.65 | 110.65 | 268.67 | 336.28 | 336.28 | 336.28 | 103.52 | 2.37 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 36.03 | 0.00 | 46.32 | 20.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 71.14 | 30.91 | 0.72 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.64 | 1.69 | 1.64 | 1.69 | 1.69 | 1.53 |
| JP-3 | D2 Cost: Storage | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.76 | 1.82 | 1.76 | 1.82 | 1.82 | 1.64 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.05 | 0.00 | 0.07 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.05 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.15 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 | 262.11 | 377.18 | 377.18 | 915.29 | 1145.51 | 1145.51 | 1145.51 | 98.02 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 85.22 | 37.47 | 0.00 | 157.74 | 70.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 320.05 | 29.95 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 14.02 | 14.49 | 14.02 | 14.49 | 14.49 | 13.09 |
| JP-4 | D2 Cost: Storage | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.99 | 6.18 | 5.99 | 6.18 | 6.18 | 5.59 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.13 | 0.06 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.04 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.15 | 0.15 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 607.53 | 1329.82 | 1574.04 | 1945.73 | 1945.73 | 1945.73 | 935.84 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 197.82 | 182.75 | 71.59 | 113.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 291.80 | 270.40 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 46.44 | 47.99 | 46.44 | 47.99 | 47.99 | 43.34 |

| Storage | Data Item | 4/1/2037 | 5/1/2037 | 6/1/2037 | 7/1/2037 | 8/1/2037 | 9/1/2037 | 10/1/2037 | 11/1/2037 | 12/1/2037 | 1/1/2038 | 2/1/2038 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 55.66 | 57.51 | 55.66 | 57.51 | 57.51 | 51.95 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 1.05 | 0.97 | 0.38 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 1.43 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.53 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 | 0.00 | 108.06 | 108.06 | 262.40 | 328.43 | 328.43 | 328.43 | 72.80 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 35.19 | 0.00 | 45.24 | 20.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 77.83 | 22.17 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 14.03 | 14.50 | 14.03 | 14.50 | 14.50 | 13.09 |
| PLY-2 | D2 Cost: Storage | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.90 | 10.23 | 9.90 | 10.23 | 10.23 | 9.24 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.19 | 0.00 | 0.24 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.12 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.53 | 0.00 | 0.53 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 |
| RC-1 | Beg Inv Value | 131.12 | 131.12 | 131.12 | 131.12 | 131.12 | 131.12 | 131.12 | 131.12 | 112.91 | 0.00 | 0.00 |
| RC-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 31.00 | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 2.10 | 2.17 | 2.10 | 2.17 | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Storage | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| JP-1 | Beg Inv Value | 0.00 | 0.00 |
| JP-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-1 | Inv Max Physical Capacity (Less Released) | 604.35 | 604.35 |
| JP-1 | D1 Cost: Storage | 8.11 | 7.85 |
| JP-1 | D2 Cost: Storage | 10.68 | 10.33 |
| JP-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-1 | Injected Fuel - Percentage | 0.00 | 0.00 |
| JP-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| JP-2 | Beg Inv Value | 0.00 | 0.00 |
| JP-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-2 | Inv Max Physical Capacity (Less Released) | 178.46 | 178.46 |
| JP-2 | D1 Cost: Storage | 7.62 | 7.37 |
| JP-2 | D2 Cost: Storage | 19.20 | 18.58 |
| JP-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-2 | Injected Fuel - Percentage | 0.00 | 0.00 |
| JP-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| JP-3 | Beg Inv Value | 0.00 | 0.00 |
| JP-3 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-3 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-3 | Inv Max Physical Capacity (Less Released) | 102.78 | 102.78 |
| JP-3 | D1 Cost: Storage | 1.69 | 1.64 |
| JP-3 | D2 Cost: Storage | 1.82 | 1.76 |
| JP-3 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-3 | Injected Fuel - Percentage | 0.00 | 0.00 |
| JP-3 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| JP-4 | Beg Inv Value | 0.00 | 0.00 |
| JP-4 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-4 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| JP-4 | Inv Max Physical Capacity (Less Released) | 350.00 | 350.00 |
| JP-4 | D1 Cost: Storage | 14.49 | 14.02 |
| JP-4 | D2 Cost: Storage | 6.18 | 5.99 |
| JP-4 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| JP-4 | Injected Fuel - Percentage | 0.00 | 0.00 |
| JP-4 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| PLY-1 | Beg Inv Value | 0.00 | 0.00 |
| PLY-1 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-1 | Inv Max Physical Capacity (Less Released) | 562.20 | 562.20 |
| PLY-1 | D1 Cost: Storage | 47.99 | 46.44 |

| Storage | Data Item | 3/1/2038 | 4/1/2038 |
|---|---|---|---|
| PLY-1 | D2 Cost: Storage | 57.51 | 55.66 |
| PLY-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-1 | Injected Fuel - Percentage | 0.00 | 0.00 |
| PLY-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| PLY-2 | Beg Inv Value | 0.00 | 0.00 |
| PLY-2 | Injected Gross Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-2 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-2 | Inv Max Physical Capacity (Less Released) | 100.00 | 100.00 |
| PLY-2 | D1 Cost: Storage | 14.50 | 14.03 |
| PLY-2 | D2 Cost: Storage | 10.23 | 9.90 |
| PLY-2 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| PLY-2 | Injected Fuel - Percentage | 0.00 | 0.00 |
| PLY-2 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |
| RC-1 | Beg Inv Value | 0.00 | 51.91 |
| RC-1 | Injected Gross Vol: Storage Mthly | 12.60 | 0.00 |
| RC-1 | Withdrawn Gross Vol: Storage Mthly | 0.00 | 0.00 |
| RC-1 | Inv Max Physical Capacity (Less Released) | 36.00 | 36.00 |
| RC-1 | D1 Cost: Storage | 0.00 | 0.00 |
| RC-1 | Injected Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel Vol: Storage Mthly | 0.00 | 0.00 |
| RC-1 | Injected Fuel - Percentage | 0.00 | 0.00 |
| RC-1 | Withdrawn Fuel - Percentage | 0.00 | 0.00 |

| CONTRACT DESCRIPTION | RECEIPT | DELIVERY | PIPELINE | COST ALLOCATION |
|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | all rec | all del | NWP | Principal |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | jackson prairie | bremerton/mt vernon | NWP | Washington |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | sumas | stanfield/portland west | NWP | system |
| Contract 139382 Sumas/Sedro Wooley | sumas | sedro wooley | NWP | Washington |
| Contract 139383 Sumas/Sedro Wooley | sumas | sedro wooley | NWP | Washington |
| Contract 139384 Sumas/Sedro Wooley | sumas | sedro wooley | NWP | Washington |
| Contract #100134 January 15,1993 | sumas/ignacio | burbank/yakima/aberdeen | NWP | Washington |
| Contract #100149 February 15,1996 | sumas/ignacio | walla walla | NWP | Washington |
| Contract #100150 May 15, 1996 | sumas/ignacio | menan starch | NWP | Washington |
| Contract #100064 May 8, 1995 | sumas | hermiston/pasco | NWP | system |
| Weyer Release Contract #132329 July 1, 2004 | sumas | kern river | NWP | system |
| Contract #139090 June 2, 2011 | sumas | plymouth/umatilla/bellingham | NWP | system |
| Contract #139637 January 1, 2013 | sumas | hermiston/oak harbor/selah | NWP | system |
| Contract #139630 August 28, 2012 | stanfield | durkee/pendelton/mission | NWP | Oregon |
| Contract #140047, November 1, 2014 | sumas | bellingham/ferndale | NWP | Washington |
| Contract #140748, April 1, 2015 | Opal | Portland West/Scappoose | NWP | Oregon |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | stanfield | Portland West/Scappoose | NWP | Oregon |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | stanfield | Portland West/Scappoose | NWP | Oregon |

**PARK AND BALANCE**

| | | | | |
|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | clay basin | clay basin | NWP | system |
| Jackson Prairie Park & Loan #131179 | jackson prairie | jackson prairie | NWP | system |
| Clay Basin Park & Loan #129152 | clay basin | clay basin | NWP | system |

**TF-2**

| | | | | |
|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | jackson prairie | Stanfield, Wenatchee, Longview, Kennewick | NWP | system |
| Contract #100304 TF-2 January 12, 1994 | plymouth | | NWP | system |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | jackson prairie | jackson prairie | NWP | system |
| Contract # 100401 SGS-2F | jackson prairie | jackson prairie | NWP | system |
| Contract #100601 LS-2F | plymouth | plymouth | NWP | system |
| Contract #140857 LS-2F | plymouth | plymouth | NWP | system |
| Contract #139627 TF-2 | jackson prairie | bellingham | NWP | Washington |
| Contract #139624 TF-2 | jackson prairie | bellingham | NWP | Washington |
| Contract #141193 TF-2 | plymouth | plymouth | NWP | Washington |
| Contract #139622 SGS-2F | jackson prairie | jackson prairie | NWP | system |
| Contract #139626 SGS-2F | jackson prairie | jackson prairie | NWP | system |

**GTN**

| | | | | |
|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | kingsgate | malin | GTN | Oregon |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Spokane NPC | GTN | Oregon |

| CONTRACT | | | | COST |
|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Kosmos Farm | GTN | Oregon |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Stanfield City | GTN | Oregon |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Madras | GTN | Oregon |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Prineville | GTN | Oregon |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Redmond | GTN | Oregon |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Bend | GTN | Oregon |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | kingsgate | Stearns | GTN | Oregon |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | kingsgate | LaPine | GTN | Oregon |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Gilchrist | GTN | Oregon |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | kingsgate | Chemult | GTN | Oregon |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | kingsgate | Madras | GTN | Oregon |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | kingsgate | Prineville | GTN | Oregon |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | kingsgate | Redmond | GTN | Oregon |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | kingsgate | Bend | GTN | Oregon |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | kingsgate | Stearns | GTN | Oregon |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | kingsgate | Gilchrist | GTN | Oregon |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | turqouise flats | stanfield | GTN | Oregon |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | turqouise flats | stanfield | GTN | Oregon |

**NOVA AND FOOTHILLS**

| | | | | |
|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | AB/C border | kingsgate | ANG | Oregon |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | AB/C border | kingsgate | ANG | Oregon |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | NIT | AB/C border | NOVA | Oregon |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | AB/C border | kingsgate | ANG | Oregon |

**SPECTRA**

| | | | | |
|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | station 2 | huntingdon | WESTCOAST | Washington |

**RUBY PIPELINE LLC**

| | | | | |
|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | pearl creek | turqouise flats | RUBY | system |

| CONTRACT DESCRIPTION | TERMINATION DATE | RATE PER DAY | MDQ | Jan-17 31 | Feb-17 28 | Mar-17 31 | Apr-17 30 | May-17 31 |
|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 10/31/2032 | 0.39249 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | 10/31/2029 | 0.24600 | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | 4/30/2023 | 0.39249 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 |
| Contract 139382 Sumas/Sedro Wooley | 10/31/2050 | 0.39249 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 10/31/2050 | 0.39249 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 10/31/2050 | 0.39249 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | 11/30/2022 | 0.39249 | 330 | 330 | 330 | 330 | 330 | 330 |
| Contract #100149 February 15,1996 | 11/30/2022 | 0.39249 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 11/30/2022 | 0.39249 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 3/31/2023 | 0.39249 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 1/31/2023 | 0.39249 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 3/31/2052 | 0.39249 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 10/31/2050 | 0.39249 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 10/31/2050 | 0.39249 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 10/31/2034 | 0.39249 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | 3/31/2031 | 0.00000 | 1,000 | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 3/31/2031 | 0.39249 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | 3/31/2031 | 0.39249 | 1,000 | | | | | |

**PARK AND BALANCE**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | 12/31/2098 | 0.00000 | 0 | | | | | |
| Jackson Prairie Park & Loan #131179 | 12/31/2098 | 0.00000 | 0 | | | | | |
| Clay Basin Park & Loan #129152 | 12/31/2098 | 0.00000 | 0 | | | | | |

**TF-2**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 10/31/2022 | 0.39249 | 16,789 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 3/31/2023 | 0.39249 | 60,000 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 10/31/2060 | 0.04056 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | 10/31/2019 | 0.01562 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 |
| Contract #100601 LS-2F | 10/31/2019 | 0.02587 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| Contract #140857 LS-2F | 3/31/2023 | 0.02587 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | 3/31/2020 | 0.39249 | 489 | 489 | 489 | 489 | 489 | 489 |
| Contract #139624 TF-2 | 3/31/2020 | 0.39249 | 282 | 282 | 282 | 282 | 282 | 282 |
| Contract #141193 TF-2 | 3/31/2023 | 0.41000 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3/31/2026 | 0.01562 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | 3/31/2020 | 0.01562 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 |

**GTN**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 10/31/2028 | 0.30020 | 23,980 | 23,980 | 23,980 | 23,980 | 23,980 | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.08139 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | TERMINATION | RATE | | Jan-17 | Feb-17 | Mar-17 | Apr-17 | May-17 |
|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.15229 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.15711 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.21240 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.21962 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.22462 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.23165 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 10/31/2023 | 0.23802 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.24441 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.25181 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 10/31/2023 | 0.25983 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | 10/31/2023 | 0.21240 | 331 | 331 | 331 | 331 | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | 10/31/2023 | 0.21962 | 827 | 827 | 827 | 827 | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | 10/31/2023 | 0.22462 | 662 | 662 | 662 | 662 | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | 10/31/2023 | 0.23165 | 4,137 | 4,137 | 4,137 | 4,137 | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | 10/31/2023 | 0.23802 | 1,241 | 1,241 | 1,241 | 1,241 | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | 10/31/2023 | 0.25181 | 248 | 248 | 248 | 248 | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10/31/2039 | 0.14293 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 10/31/2039 | 0.17867 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

**NOVA AND FOOTHILLS**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | 10/31/2018 | 0.04926 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 10/31/2028 | 0.04926 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 10/31/2028 | 0.11148 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | 10/31/2023 | 0.04926 | 7,602 | 7,602 | 7,602 | 7,602 | | |

**SPECTRA**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 10/31/2024 | 0.22711 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

**RUBY PIPELINE LLC**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 10/31/2039 | 0.75000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-17 30 | Jul-17 31 | Aug-17 31 | Sep-17 30 | Oct-17 31 | Nov-17 30 | Dec-17 31 | Jan-18 31 | Feb-18 28 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 |
| Contract #100601 LS-2F | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 |
| Contract #139624 TF-2 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | 20,380 | 20,380 | 20,380 | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Jun-17 | Jul-17 | Aug-17 | Sep-17 | Oct-17 | Nov-17 | Dec-17 | Jan-18 | Feb-18 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | 331 | 331 | 331 | 331 |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | 827 | 827 | 827 | 827 |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | 662 | 662 | 662 | 662 |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | 4,137 | 4,137 | 4,137 | 4,137 |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | 1,241 | 1,241 | 1,241 | 1,241 |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | 248 | 248 | 248 | 248 |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | 7,602 | 7,602 | 7,602 | 7,602 |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-18 31 | Apr-18 30 | May-18 31 | Jun-18 30 | Jul-18 31 | Aug-18 31 | Sep-18 30 | Oct-18 31 | Nov-18 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 |
| Contract #100601 LS-2F | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 |
| Contract #139624 TF-2 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | | | | | | | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | 331 | | | | | | | 331 | 331 |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | 827 | | | | | | | 827 | 827 |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | 662 | | | | | | | 662 | 662 |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | 4,137 | | | | | | | 4,137 | 4,137 |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | 1,241 | | | | | | | 1,241 | 1,241 |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | 248 | | | | | | | 248 | 248 |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | 3,126 | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | 7,602 | | | | | | | | 7,602 |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-18 31 | Jan-19 31 | Feb-19 28 | Mar-19 31 | Apr-19 30 | May-19 31 | Jun-19 30 | Jul-19 31 | Aug-19 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 | 16,789 |
| Contract #100601 LS-2F | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 | 60,000 |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | 489 |
| Contract #139624 TF-2 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | 282 |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Dec-18 | Jan-19 | Feb-19 | Mar-19 | Apr-19 | May-19 | Jun-19 | Jul-19 | Aug-19 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | 331 | 331 | 331 | 331 | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | 827 | 827 | 827 | 827 | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | 662 | 662 | 662 | 662 | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | 4,137 | 4,137 | 4,137 | 4,137 | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | 1,241 | 1,241 | 1,241 | 1,241 | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | 248 | 248 | 248 | 248 | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | 7,602 | 7,602 | 7,602 | 7,602 | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-19 30 | Oct-19 31 | Nov-19 30 | Dec-19 31 | Jan-20 31 | Feb-20 29 | Mar-20 31 | Apr-20 30 | May-20 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | 25400 | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | 330 | 330 | 330 | | | | | | |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | 16,789 | 16,789 | | | | | | | |
| Contract #100601 LS-2F | 60,000 | 60,000 | | | | | | | |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | 489 | 489 | 489 | 489 | 489 | 489 | 489 | | |
| Contract #139624 TF-2 | 282 | 282 | 282 | 282 | 282 | 282 | 282 | | |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | 6,077 | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Sep-19 | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | May-20 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | 331 | 331 | 331 | 331 | 331 | 331 | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | 827 | 827 | 827 | 827 | 827 | 827 | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | 662 | 662 | 662 | 662 | 662 | 662 | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | 4,137 | 4,137 | 4,137 | 4,137 | 4,137 | 4,137 | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | 1,241 | 1,241 | 1,241 | 1,241 | 1,241 | 1,241 | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | 248 | 248 | 248 | 248 | 248 | 248 | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | 7,602 | 7,602 | 7,602 | 7,602 | 7,602 | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-20 30 | Jul-20 31 | Aug-20 31 | Sep-20 30 | Oct-20 31 | Nov-20 30 | Dec-20 31 | Jan-21 31 | Feb-21 28 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | 20,380 | 20,380 | 20,380 | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | Jan-21 | Feb-21 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | 331 | 331 | 331 | 331 | 331 |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | 827 | 827 | 827 | 827 | 827 |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | 662 | 662 | 662 | 662 | 662 |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | 4,137 | 4,137 | 4,137 | 4,137 | 4,137 |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | 1,241 | 1,241 | 1,241 | 1,241 | 1,241 |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | 248 | 248 | 248 | 248 | 248 |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | 7,602 | 7,602 | 7,602 | 7,602 |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-21 31 | Apr-21 30 | May-21 31 | Jun-21 30 | Jul-21 31 | Aug-21 31 | Sep-21 30 | Oct-21 31 | Nov-21 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | | | | | | | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Mar-21 | Apr-21 | May-21 | Jun-21 | Jul-21 | Aug-21 | Sep-21 | Oct-21 | Nov-21 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | 331 | | | | | | | 331 | 331 |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | 827 | | | | | | | 827 | 827 |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | 662 | | | | | | | 662 | 662 |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | 4,137 | | | | | | | 4,137 | 4,137 |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | 1,241 | | | | | | | 1,241 | 1,241 |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | 248 | | | | | | | 248 | 248 |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | 7,602 | | | | | | | | 7,602 |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-21 31 | Jan-22 31 | Feb-22 28 | Mar-22 31 | Apr-22 30 | May-22 31 | Jun-22 30 | Jul-22 31 | Aug-22 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 | 1,656 |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | 331 | 331 | 331 | 331 | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | 827 | 827 | 827 | 827 | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | 662 | 662 | 662 | 662 | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | 4,137 | 4,137 | 4,137 | 4,137 | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | 1,241 | 1,241 | 1,241 | 1,241 | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | 248 | 248 | 248 | 248 | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | 7,602 | 7,602 | 7,602 | 7,602 | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-22 30 | Oct-22 31 | Nov-22 30 | Dec-22 31 | Jan-23 31 | Feb-23 28 | Mar-23 31 | Apr-23 30 | May-23 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | 75 | 75 | 75 | | | | | | |
| Contract #100150 May 15, 1996 | 160 | 160 | 160 | | | | | | |
| Contract #100064 May 8, 1995 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | 1078 | | |
| Weyer Release Contract #132329 July 1, 2004 | 5000 | 5000 | 5000 | 5000 | 5000 | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | 1,656 | 1,656 | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | 1,540 | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | 18,125 | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | 10,675 | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 |

| CONTRACT | Sep-22 | Oct-22 | Nov-22 | Dec-22 | Jan-23 | Feb-23 | Mar-23 | Apr-23 | May-23 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 | 313 |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | 331 | 331 | 331 | 331 | 331 | 331 | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | 827 | 827 | 827 | 827 | 827 | 827 | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | 662 | 662 | 662 | 662 | 662 | 662 | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | 4,137 | 4,137 | 4,137 | 4,137 | 4,137 | 4,137 | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | 1,241 | 1,241 | 1,241 | 1,241 | 1,241 | 1,241 | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | 248 | 248 | 248 | 248 | 248 | 248 | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | 7,602 | 7,602 | 7,602 | 7,602 | 7,602 | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-23 30 | Jul-23 31 | Aug-23 31 | Sep-23 30 | Oct-23 31 | Nov-23 30 | Dec-23 31 | Jan-24 31 | Feb-24 29 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | 20,380 | 20,380 | 20,380 | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | 11,558 | 11,558 | 11,558 | 11,558 | 11,558 | | | | |

| CONTRACT | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 | Nov-23 | Dec-23 | Jan-24 | Feb-24 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | 200 | 200 | 200 | 200 | 200 | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | 232 | 232 | 232 | 232 | 232 | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | 2,078 | 2,078 | 2,078 | 2,078 | 2,078 | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | 2,984 | 2,984 | 2,984 | 2,984 | 2,984 | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | 8,927 | 8,927 | 8,927 | 8,927 | 8,927 | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | 2,189 | 2,189 | 2,189 | 2,189 | 2,189 | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | 45 | 45 | 45 | 45 | 45 | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | 313 | 313 | 313 | 313 | 313 | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | 75 | 75 | 75 | 75 | 75 | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | 331 | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | 827 | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | 662 | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | 4,137 | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | 1,241 | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | 248 | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-24 31 | Apr-24 30 | May-24 31 | Jun-24 30 | Jul-24 31 | Aug-24 31 | Sep-24 30 | Oct-24 31 | Nov-24 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | | | | | | | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Mar-24 | Apr-24 | May-24 | Jun-24 | Jul-24 | Aug-24 | Sep-24 | Oct-24 | Nov-24 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-24 31 | Jan-25 31 | Feb-25 28 | Mar-25 31 | Apr-25 30 | May-25 31 | Jun-25 30 | Jul-25 31 | Aug-25 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Dec-24 | Jan-25 | Feb-25 | Mar-25 | Apr-25 | May-25 | Jun-25 | Jul-25 | Aug-25 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-25 30 | Oct-25 31 | Nov-25 30 | Dec-25 31 | Jan-26 31 | Feb-26 28 | Mar-26 31 | Apr-26 30 | May-26 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Sep-25 | Oct-25 | Nov-25 | Dec-25 | Jan-26 | Feb-26 | Mar-26 | Apr-26 | May-26 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-26 30 | Jul-26 31 | Aug-26 31 | Sep-26 30 | Oct-26 31 | Nov-26 30 | Dec-26 31 | Jan-27 31 | Feb-27 28 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | 20,380 | 20,380 | 20,380 | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Jun-26 | Jul-26 | Aug-26 | Sep-26 | Oct-26 | Nov-26 | Dec-26 | Jan-27 | Feb-27 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-27 31 | Apr-27 30 | May-27 31 | Jun-27 30 | Jul-27 31 | Aug-27 31 | Sep-27 30 | Oct-27 31 | Nov-27 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | | | | | | | 20,380 |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Mar-27 | Apr-27 | May-27 | Jun-27 | Jul-27 | Aug-27 | Sep-27 | Oct-27 | Nov-27 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-27 31 | Jan-28 31 | Feb-28 29 | Mar-28 31 | Apr-28 30 | May-28 31 | Jun-28 30 | Jul-28 31 | Aug-28 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | 20,380 | 20,380 | 20,380 | 20,380 | 20,380 | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Dec-27 | Jan-28 | Feb-28 | Mar-28 | Apr-28 | May-28 | Jun-28 | Jul-28 | Aug-28 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 | 21,583 |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 | 21,973 |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-28 30 | Oct-28 31 | Nov-28 30 | Dec-28 31 | Jan-29 31 | Feb-29 28 | Mar-29 31 | Apr-29 30 | May-29 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Sep-28 | Oct-28 | Nov-28 | Dec-28 | Jan-29 | Feb-29 | Mar-29 | Apr-29 | May-29 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | 21,583 | 21,583 | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | 21,973 | 21,973 | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-29 30 | Jul-29 31 | Aug-29 31 | Sep-29 30 | Oct-29 31 | Nov-29 30 | Dec-29 31 | Jan-30 31 | Feb-30 28 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Jun-29 | Jul-29 | Aug-29 | Sep-29 | Oct-29 | Nov-29 | Dec-29 | Jan-30 | Feb-30 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-30 31 | Apr-30 30 | May-30 31 | Jun-30 30 | Jul-30 31 | Aug-30 31 | Sep-30 30 | Oct-30 31 | Nov-30 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Mar-30 | Apr-30 | May-30 | Jun-30 | Jul-30 | Aug-30 | Sep-30 | Oct-30 | Nov-30 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-30 31 | Jan-31 31 | Feb-31 28 | Mar-31 31 | Apr-31 30 | May-31 31 | Jun-31 30 | Jul-31 31 | Aug-31 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | 1,000 | 1,000 | 1,000 | 1,000 | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Dec-30 | Jan-31 | Feb-31 | Mar-31 | Apr-31 | May-31 | Jun-31 | Jul-31 | Aug-31 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-31 30 | Oct-31 31 | Nov-31 30 | Dec-31 31 | Jan-32 31 | Feb-32 29 | Mar-32 31 | Apr-32 30 | May-32 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 | 205123 |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Sep-31 | Oct-31 | Nov-31 | Dec-31 | Jan-32 | Feb-32 | Mar-32 | Apr-32 | May-32 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-32 30 | Jul-32 31 | Aug-32 31 | Sep-32 30 | Oct-32 31 | Nov-32 30 | Dec-32 31 | Jan-33 31 | Feb-33 28 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | 205123 | 205123 | 205123 | 205123 | 205123 | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Jun-32 | Jul-32 | Aug-32 | Sep-32 | Oct-32 | Nov-32 | Dec-32 | Jan-33 | Feb-33 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-33 31 | Apr-33 30 | May-33 31 | Jun-33 30 | Jul-33 31 | Aug-33 31 | Sep-33 30 | Oct-33 31 | Nov-33 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Mar-33 | Apr-33 | May-33 | Jun-33 | Jul-33 | Aug-33 | Sep-33 | Oct-33 | Nov-33 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-33 31 | Jan-34 31 | Feb-34 28 | Mar-34 31 | Apr-34 30 | May-34 31 | Jun-34 30 | Jul-34 31 | Aug-34 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Dec-33 | Jan-34 | Feb-34 | Mar-34 | Apr-34 | May-34 | Jun-34 | Jul-34 | Aug-34 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-34 30 | Oct-34 31 | Nov-34 30 | Dec-34 31 | Jan-35 31 | Feb-35 28 | Mar-35 31 | Apr-35 30 | May-35 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | 15,000 | 15,000 | | | | | | | |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Sep-34 | Oct-34 | Nov-34 | Dec-34 | Jan-35 | Feb-35 | Mar-35 | Apr-35 | May-35 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | |

| CONTRACT DESCRIPTION | Jun-35 30 | Jul-35 31 | Aug-35 31 | Sep-35 30 | Oct-35 31 | Nov-35 30 | Dec-35 31 | Jan-36 31 | Feb-36 29 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | | | | | | | | | |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Jun-35 | Jul-35 | Aug-35 | Sep-35 | Oct-35 | Nov-35 | Dec-35 | Jan-36 | Feb-36 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | | | | 15,000 | 15,000 | 15,000 | 15,000 |

| CONTRACT DESCRIPTION | Mar-36 31 | Apr-36 30 | May-36 31 | Jun-36 30 | Jul-36 31 | Aug-36 31 | Sep-36 30 | Oct-36 31 | Nov-36 30 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | | | | | | | | | |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Mar-36 | Apr-36 | May-36 | Jun-36 | Jul-36 | Aug-36 | Sep-36 | Oct-36 | Nov-36 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | | | | | | | 15,000 |

| CONTRACT DESCRIPTION | Dec-36 31 | Jan-37 31 | Feb-37 28 | Mar-37 31 | Apr-37 30 | May-37 31 | Jun-37 30 | Jul-37 31 | Aug-37 31 |
|---|---|---|---|---|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | | | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | | | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | | | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | | | | | | |
| Contract #100149 February 15,1996 | | | | | | | | | |
| Contract #100150 May 15, 1996 | | | | | | | | | |
| Contract #100064 May 8, 1995 | | | | | | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | | | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | | | | | | | | | |
| Contract #140748, April 1, 2015 | | | | | | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | | | | | | |

**PARK AND BALANCE**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | | | | | | |
| Jackson Prairie Park & Loan #131179 | | | | | | | | | |
| Clay Basin Park & Loan #129152 | | | | | | | | | |

**TF-2**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | | | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | | | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | | | | | | |
| Contract #100601 LS-2F | | | | | | | | | |
| Contract #140857 LS-2F | | | | | | | | | |
| Contract #139627 TF-2 | | | | | | | | | |
| Contract #139624 TF-2 | | | | | | | | | |
| Contract #141193 TF-2 | | | | | | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | | | | | | |
| | | | | | | | | | |

**GTN**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |

| CONTRACT | Dec-36 | Jan-37 | Feb-37 | Mar-37 | Apr-37 | May-37 | Jun-37 | Jul-37 | Aug-37 |
|---|---|---|---|---|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | | | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | | | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | | | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | | | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | | | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | | | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | | | | | | |

| SPECTRA | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | | | | | | |

| RUBY PIPELINE LLC | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | | | | |

| CONTRACT DESCRIPTION | Sep-37 30 | Oct-37 31 | Nov-37 30 | Dec-37 31 |
|---|---|---|---|---|
| TF-1 Contract #100002 April 31, 1991 | | | | |
| Contract #135384 (JP/Bremerton), March 26, 2007 (permanently released 4/2016) | | | | |
| Contract #135558 (Sumas/Prtld), 4/1/2007) | | | | |
| Contract 139382 Sumas/Sedro Wooley | 6191 | 6191 | 6191 | 6191 |
| Contract 139383 Sumas/Sedro Wooley | 1050 | 1050 | 1050 | 1050 |
| Contract 139384 Sumas/Sedro Wooley | 3259 | 3259 | 3259 | 3259 |
| Contract #100134 January 15,1993 | | | | |
| Contract #100149 February 15,1996 | | | | |
| Contract #100150 May 15, 1996 | | | | |
| Contract #100064 May 8, 1995 | | | | |
| Weyer Release Contract #132329 July 1, 2004 | | | | |
| Contract #139090 June 2, 2011 | 27063 | 27063 | 27063 | 27063 |
| Contract #139637 January 1, 2013 | 7241 | 7241 | 7241 | 7241 |
| Contract #139630 August 28, 2012 | 7,450 | 7,450 | 7,450 | 7,450 |
| Contract #140047, November 1, 2014 | | | | |
| Contract #140748, April 1, 2015 | | | | |
| Contract #140751, November 1, 2015 (segmented, base contract 140748) | | | | |
| Contract #140752, November 1, 2015 (segmented, base contract 140748) | | | | |

**PARK AND BALANCE**

| | | | | |
|---|---|---|---|---|
| Clay Basin Park & Loan #135675 | | | | |
| Jackson Prairie Park & Loan #131179 | | | | |
| Clay Basin Park & Loan #129152 | | | | |

**TF-2**

| | | | | |
|---|---|---|---|---|
| Contract #100302 TF-2 January 12, 1994 | | | | |
| Contract #100304 TF-2 January 12, 1994 | | | | |
| Jackson Prairie Expansion Precident Agreement # 135365 SGS-2F | 30,000 | 30,000 | 30,000 | 30,000 |
| Contract # 100401 SGS-2F | | | | |
| Contract #100601 LS-2F | | | | |
| Contract #140857 LS-2F | | | | |
| Contract #139627 TF-2 | | | | |
| Contract #139624 TF-2 | | | | |
| Contract #141193 TF-2 | | | | |
| Contract #139622 SGS-2F | 3,500 | 3,500 | 3,500 | 3,500 |
| Contract #139626 SGS-2F | | | | |
| | | | | |

**GTN**

| | | | | |
|---|---|---|---|---|
| 2003 Expansion, #17037 (#08488 & #02812 formerly), 5/12/2015 | | | | |
| Firm Transportation #17019 (#00179, October 7, 1993), 5/12/2015 | | | | |

| CONTRACT | Sep-37 | Oct-37 | Nov-37 | Dec-37 |
|---|---|---|---|---|
| Firm Transportation #17021 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17022 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17023 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17025 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17026 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17028 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17031 (#00179, October 7, 1993), 5/12/2016 | | | | |
| Firm Transportation #17033 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17034 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17036 (#00179, October 7, 1993), 5/12/2015 | | | | |
| Firm Transportation #17023 (#00152 ,December 1, 1997) | | | | |
| Firm Transportation #17025 (#00152 ,December 1, 1997) | | | | |
| Firm Transportation #17026 (#00152 ,December 1, 1997) | | | | |
| Firm Transportation #17028 (#00152 ,December 1, 1997) | | | | |
| Firm Transportation #17031 (#00152 ,December 1, 1997) | | | | |
| Firm Transportation #17034 (#00152 ,December 1, 1997) | | | | |
| Firm Backhaul Transportation #12094/13687 4/1/2018 - 10/31/2039 | 10,000 | 10,000 | 10,000 | 10,000 |
| Firm Backhaul Transportation #13688 11/1/14 - 10/31/39 | 5,000 | 5,000 | 5,000 | 5,000 |

| NOVA AND FOOTHILLS | | | | |
|---|---|---|---|---|
| 2002 Service Agreement (CNG FS-2) | | | | |
| Service Agreement (ANG) September 11, 2001 (#CNG FS-3) | | | | |
| Service Agreement (NOVA) September 4, 2001 (#2003039348-1) | | | | |
| FS-1 Transportation (ANG) June 12, 1991 (CNG FS-1) | | | | |

| SPECTRA | | | | |
|---|---|---|---|---|
| Westcoast Service Agreement January 3, 2002 (#FI-2583-B-013) | | | | |

| RUBY PIPELINE LLC | | | | |
|---|---|---|---|---|
| Firm Service Agreement #61036000B, November 1, 2014 | | | 15,000 | 15,000 |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 10% Carbon Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| As-Is | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,751,261.24 | 0.515389 | 2,602,177 | 7,278,504,957 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1671623.6 |
| | ***T-South-So Crossing*** | | | | | | | IND-734813.53 |
| | ***Trails West (Palomar)*** | | | | | | | INT-195739.71 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 10% Carbon Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| All-In | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,695,175.05 | 0.507512 | 145,626 | 7,280,961,508 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | INT-145625.71 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| GTN Only | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,622,780.53 | 0.497687 | 1,868,036 | 7,279,239,098 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1524420.51 |
| | ***T-South-So Crossing*** | | | | | | | IND-117493.96 |
| | ***Trails West (Palomar)*** | | | | | | | INT-226121.59 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| GTN with Storage | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,618,712.90 | 0.497127 | 1,859,284 | 7,279,247,850 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1524420.51 |
| | ***T-South-So Crossing*** | | | | | | | IND-117493.96 |
| | ***Trails West (Palomar)*** | | | | | | | INT-217369.4 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| NWP Only | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,771,245.86 | 0.518113 | 2,290,808 | 7,278,816,325 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1671623.58 |
| | ***T-South-So Crossing*** | | | | | | | IND-553125.49 |
| | ***Trails West (Palomar)*** | | | | | | | INT-66059.07 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | | | | | |
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| NWP with Storage | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,769,454.47 | 0.517866 | 2,290,808 | 7,278,816,326 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1671623.6 |
| | ***T-South-So Crossing*** | | | | | | | IND-553125.49 |
| | ***Trails West (Palomar)*** | | | | | | | INT-66059.07 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Storage Only | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,751,261.24 | 0.515389 | 2,602,177 | 7,278,504,957 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | COM-1671623.6 |
| | ***T-South-So Crossing*** | | | | | | | IND-734813.53 |
| | ***Trails West (Palomar)*** | | | | | | | INT-195739.71 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario. All items in **BLUE** mean those elements were dampened in the scenario. | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Limit JP | **Current Station2** | JP1 | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,789,998.27 | 0.520530 | 63,599 | 7,281,043,534 | |
| | **Current NOVA** | JP2 | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | JP3 | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | JP4 | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | |
| | ***T-South-So Crossing*** | | | | | | | IND-66.42 |
| | ***Trails West (Palomar)*** | | | | | | | INT-63532.89 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario. All items in **BLUE** mean those elements were dampened in the scenario. | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Limit Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,753,937.55 | 0.515577 | 63,099 | 7,281,044,034 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | |
| | ***T-South-So Crossing*** | | | | | | | IND-66.42 |
| | ***Trails West (Palomar)*** | | | | | | | INT-63033 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario. All items in **BLUE** mean those elements were dampened in the scenario. | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Limit Both JP and Ply | **Current Station2** | JP1 | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,823,472.82 | 0.525151 | 397,002 | 7,280,710,132 | |
| | **Current NOVA** | JP2 | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | JP3 | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | JP4 | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | PLY-1 | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | PLY-2 | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | |
| | ***T-South-So Crossing*** | | | | | | | IND-66.43 |
| | ***Trails West (Palomar)*** | | | | | | | INT-396935.61 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| No Storage Ply | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,756,035.75 | 0.515865 | 63,599 | 7,281,043,534 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | |
| | ***T-South-So Crossing*** | | | | | | | IND-66.43 |
| | ***Trails West (Palomar)*** | | | | | | | INT-63532.89 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| No Storage | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,984,321.21 | 0.547287 | 981,527 | 7,280,125,606 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | |
| | ***T-South-So Crossing*** | | | | | | | IND-66.43 |
| | ***Trails West (Palomar)*** | | | | | | | INT-981460.97 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Low Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Low Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,562,438.41 | 0.520134 | 1,500 | 6,849,072,536 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | 170 Int-1500 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>High Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| High Growth | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,939,120.12 | 0.510183 | 1,672,972 | 7,721,000,781 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Com-131775 |
| | ***T-South-So Crossing*** | | | | | | | Ind-1103296 |
| | ***Trails West (Palomar)*** | | | | | | | Int-437899 |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Low Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Low Price | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,695,335.18 | 0.507528 | 62,100 | 7,281,045,034 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-62100 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| Base Price | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,752,024.40 | 0.515314 | 63,099 | 7,281,044,034 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-63009 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, High Gas Price Forecast, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| High Price | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,790,306.04 | 0.520580 | 173,674 | 7,280,933,459 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-173674 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 10% Carbon Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 10% Carbon Adder | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,824,486.40 | 0.525279 | 242,017 | 7,280,865,117 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | 170 Int-242017 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 20% Carbon Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 20% Carbon Adder | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,888,459.88 | 0.534068 | 276,401 | 7,280,830,733 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-276401 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 30% Carbon Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 30% Carbon Adder | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,945,796.36 | 0.541949 | 359,788 | 7,280,747,346 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-359788 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 10$ per Ton Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 10$ per Ton | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,858,780.11 | 0.529989 | 242,017 | 7,280,865,117 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-242017 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 20$ per Ton Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 20$ per Ton | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 3,942,151.63 | 0.541449 | 359,788 | 7,280,747,346 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-359788 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

| SCENARIO NAME | KEY ELEMENTS IN SENDOUT SCENARIO<br>Medium Load Growth, Medium Gas Price Forecast w/ 30$ per Ton Adder, Average weather with Peak Event. All elements considered. All items in **RED** mean those elements were excluded from the scenario | | | NPV 20 Year Costs in $000s | Average Cost Per Therm | Unserved Demand | Served Demand | Class of Unserved Demand |
|---|---|---|---|---|---|---|---|---|
| | KEY ELEMENTS IN SENDOUT SCENARIO | | | | | | | |
| 30$ per Ton | **Current Station2** | **JP1** | **AECO Base/Fixed, Winter, Day W/S, Peak** | 4,014,586.04 | 0.551398 | 359,788 | 7,280,747,346 | |
| | **Current NOVA** | **JP2** | **SUMAS Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current GTN** | **JP3** | **ROCKIES Base/Fixed, Winter, Day W/S, Peak** | | | | | |
| | **Current NWP** | **JP4** | **HUNT Base/Fixed, Winter, Day W/S** | | | | | |
| | **Current Foothills** | **PLY-1** | **KINGSGATE BASE** | | | | | |
| | **Current Ruby** | **PLY-2** | **OPAL BASE** | | | | | |
| | | | **KERN WINTER** | | | | | |
| | | | **STAT2 BASE** | | | | | |
| | | | | | | | | |
| | ***Incremental NGTL*** | ***Ryckman Crk Storage*** | ***Opal Incrm Supply*** | | | | | |
| | ***Incremental GTN N-S*** | ***Gill Ranch Storage*** | ***BioNaturalGas*** | | | | | |
| | ***NWP I-5 Mainline EXP*** | ***Mist Storage*** | ***Resource Mix - 3 Basins*** | | | | | |
| | ***Incremental Ruby*** | ***Wild Goose Storage*** | | | | | | |
| | ***NWP Wen lateral EXP*** | ***Aeco Hub Storage*** | | | | | | |
| | ***Incremental Foothills*** | ***Magnum Storage*** | | | | | | |
| | ***NWP Z20 lateral EXP*** | ***Clay Basin Storage*** | | | | | | Int-359788 |
| | ***T-South-So Crossing*** | | | | | | | |
| | ***Trails West (Palomar)*** | | | | | | | |
| | ***NWP East OR Mainline EXP*** | | | | | | | |
| | ***Incremental GTN S-N*** | | | | | | | |
| | ***Incremental Enbridge*** | | | | | | | |
| | ***Pacific Connector*** | | | | | | | |

# Appendix F

# Capacity Requirements & Peak Day Planning

2018 OR IRP Final

# Appendix F - Introduction

The purpose of this document is to illustrate the flexibility of Cascade's system, and to identify where Cascade needs to pick up incremental transportation rights.

Cascade can realign the transportation Maximum Daily Delivery Obligation(s) (MDDOs) in the Company's contracts to citygates in the same zone on the Northwest Pipeline (NWP). GTN has demand tap (citygate) specific MDDOs where they cannot be realigned. GTN does have a few contracts that can be delivered to any of the demand taps.

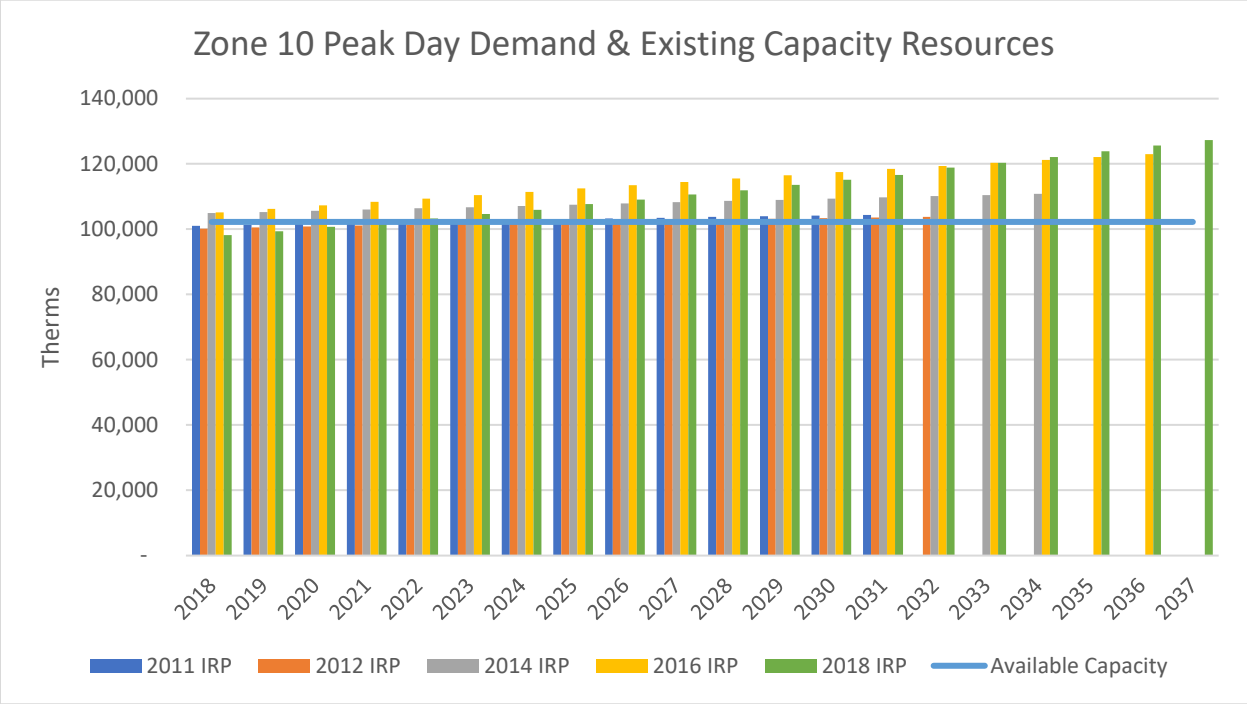
In the first series of charts, below, the Company compares the forecasted demand at the zonal level in the past four IRPs to the current available transportation capacity. The Company also aggregates the gates by zone, by state, and finally the entire system. This is shown in the second series of charts which analyzes each of the citygates in Oregon and Washington. In these charts, the green bars indicate what the Company forecasts demand to be in a peak day environment for a 20-year time horizon. The orange line shows how many therms can contractually be moved to that area with location-specific MDDOs. The gray line shows the total amount of therms that are utilized by realigning certain contracts that do not specify a fixed location where the therms need to go, and adding those MDDOs to the fixed contracts. These flexible contracts are assigned using the Company's optimization software, SENDOUT. Finally, the blue line illustrates how much demand Cascade can serve by adding incremental transportation agreements to its existing transportation portfolio. The space between the blue line and gray line, if any, shows exactly how much additional transport the Company believes will need to be acquired, and when it needs to be picked up.

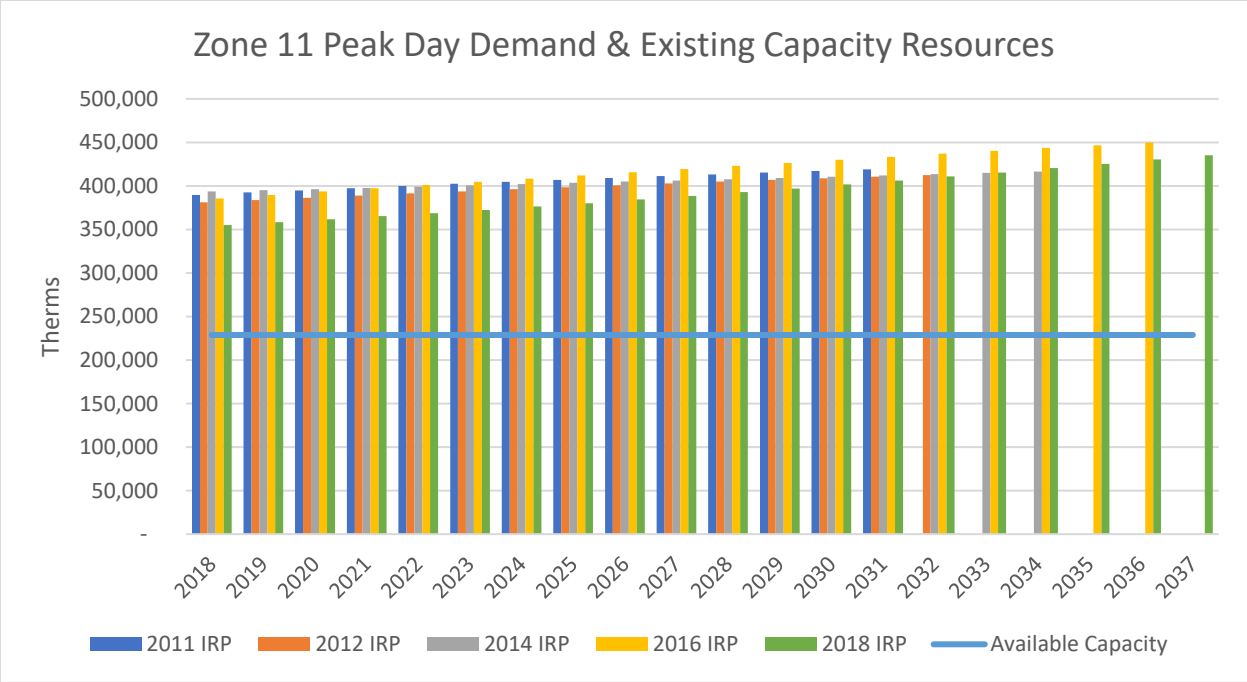
As mentioned above, Cascade has the ability to realign certain MDDOs on the zonal level to help serve demand in areas where there is not a direct contract to that citygate. To that end, certain citygates within Northwest Pipeline (NWP) will utilize MDDOs above or below their contracted level. Some examples of this are shown below:

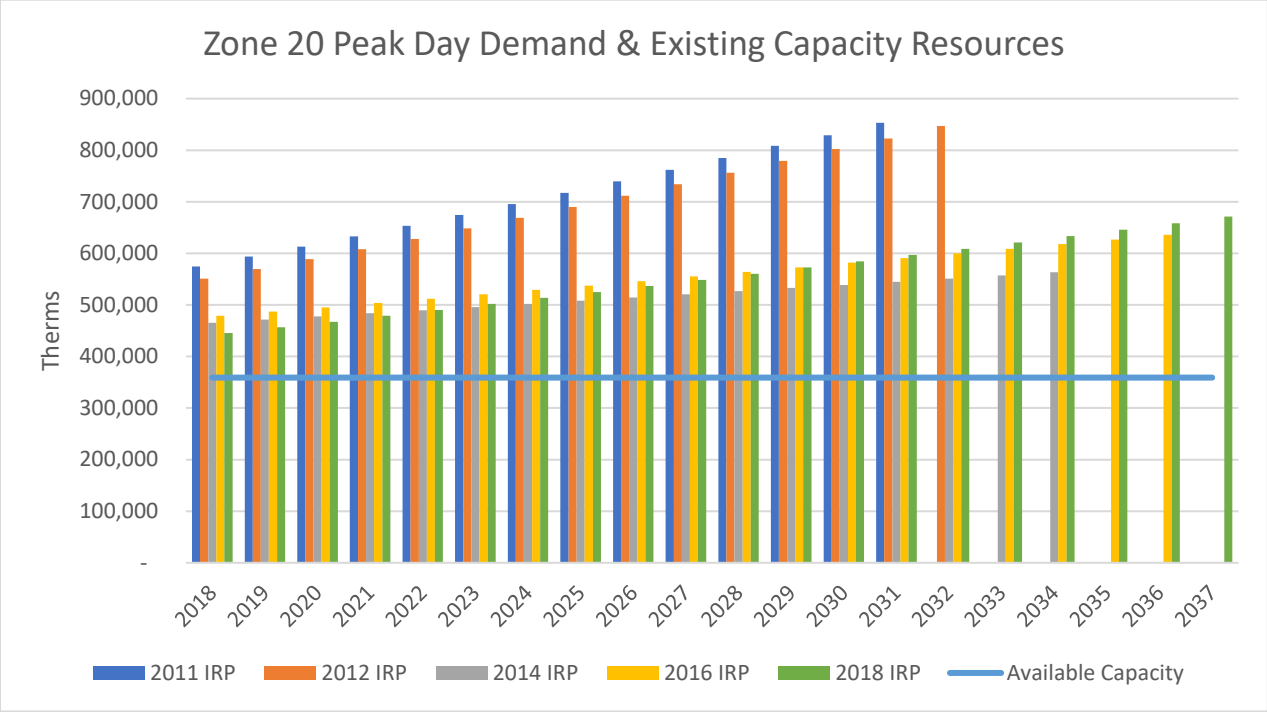
Citygates where Utilized MDDOs are below contracted MDDOs: This occurs when the Company has the capacity to send more gas to a citygate than what they project is needed over the 20-year planning horizon. Ideally, this transportation capacity is moved to another citygate within that zone, but in certain situations these MDDOs are unable to be utilized if they are not needed elsewhere. Examples include: Pendleton and Umatilla.

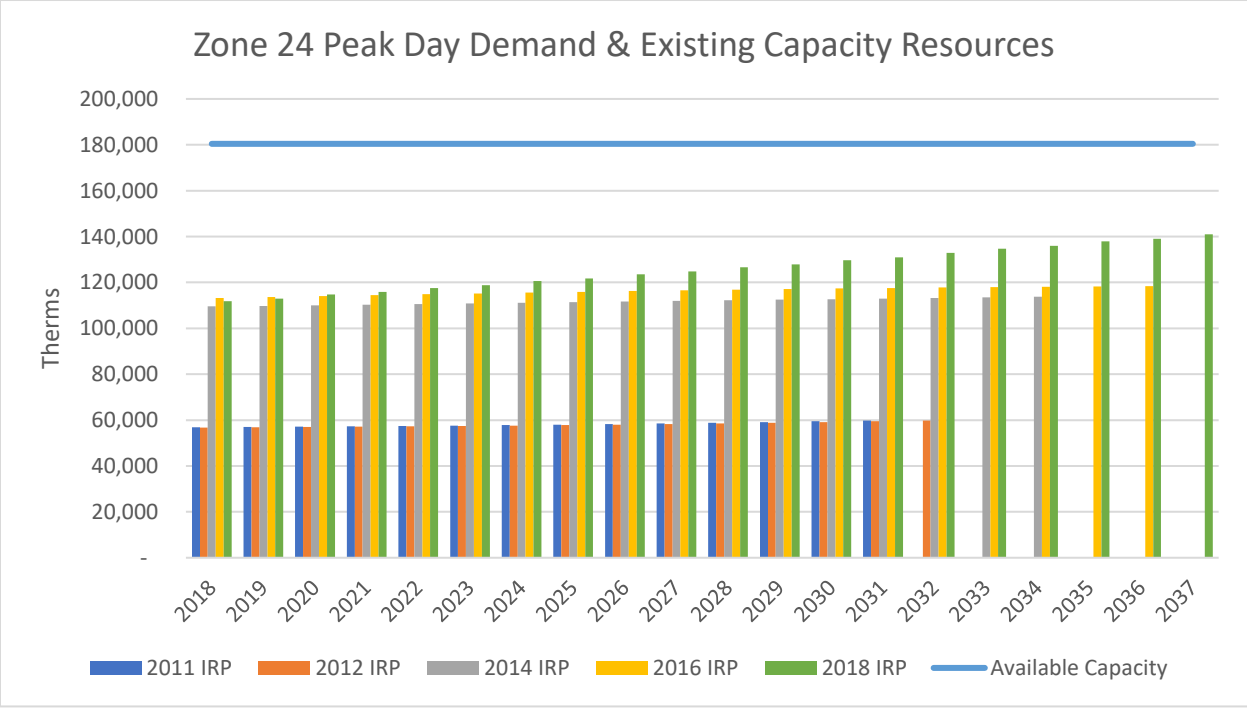
Citygates where Utilized MDDOs are above Contracted MDDOs: This occurs when the Company projects that there is not enough capacity in existing contracts to serve projected demand over the 20-year planning horizon, but there is excess capacity at a citygate within the same zone. It is important to distinguish that this is not an acquisition of additional capacity, but a realignment of excess capacity within the same zone. Examples include: Bend Loop and Redmond.

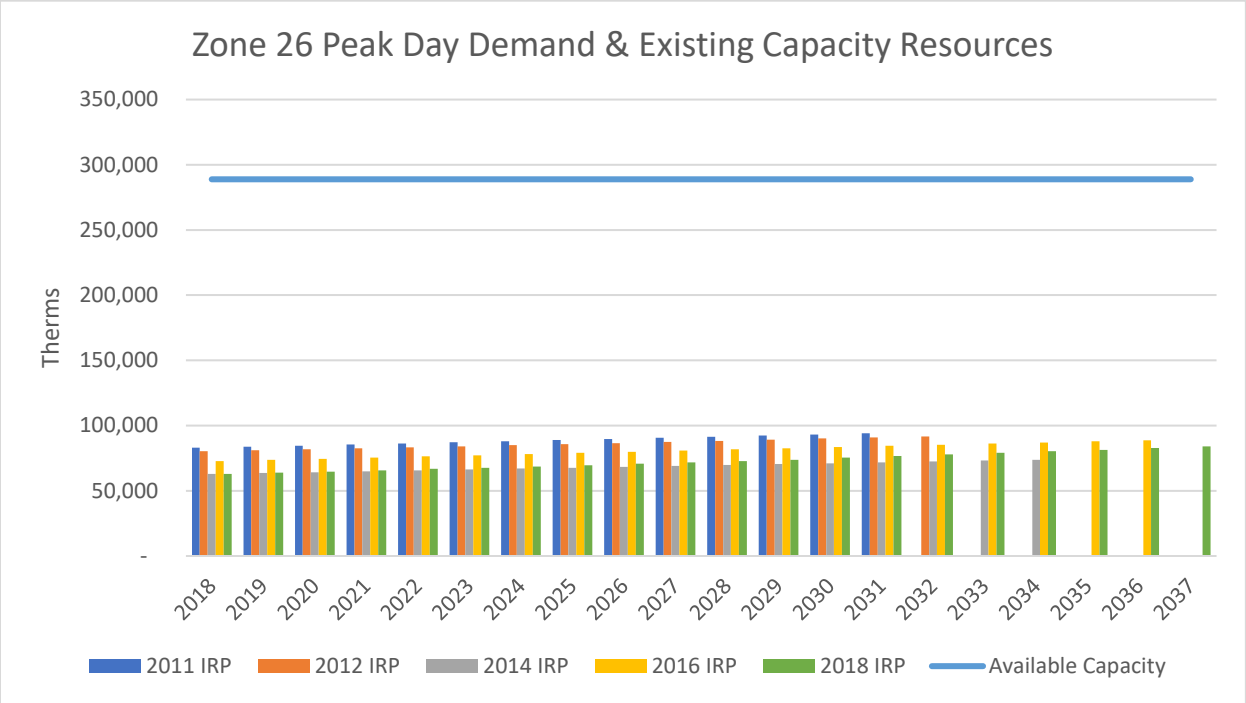
Citygates where Utilized MDDOs are both above and below contracted MDDOs: In certain situations, a citygate may start the planning horizon with excess capacity, but grow to a point where Cascade expects a shortfall with current contracts. In these circumstances, the Company illustrates the citygate first sharing the excess MDDOs with other locations that need it, but later pulling capacity from other areas with excess transportation contracts. Examples include: Nyssa-Ontario.

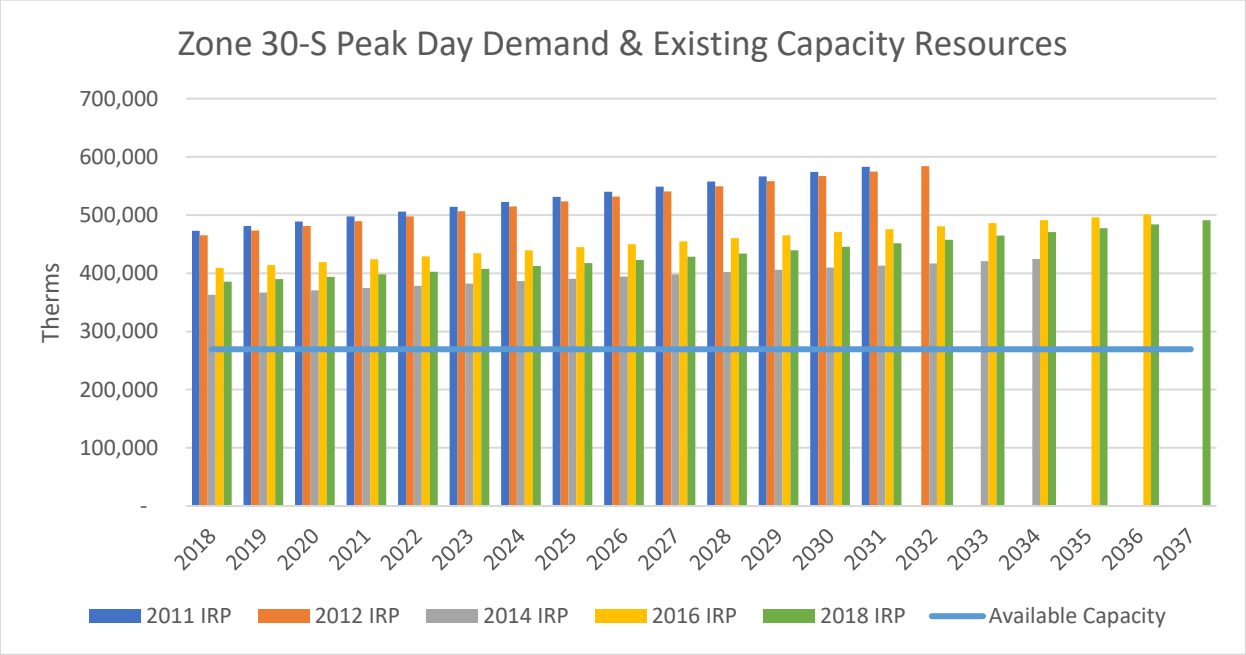

Zone 10 Peak Day Demand & Existing Capacity Resources
Therms
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

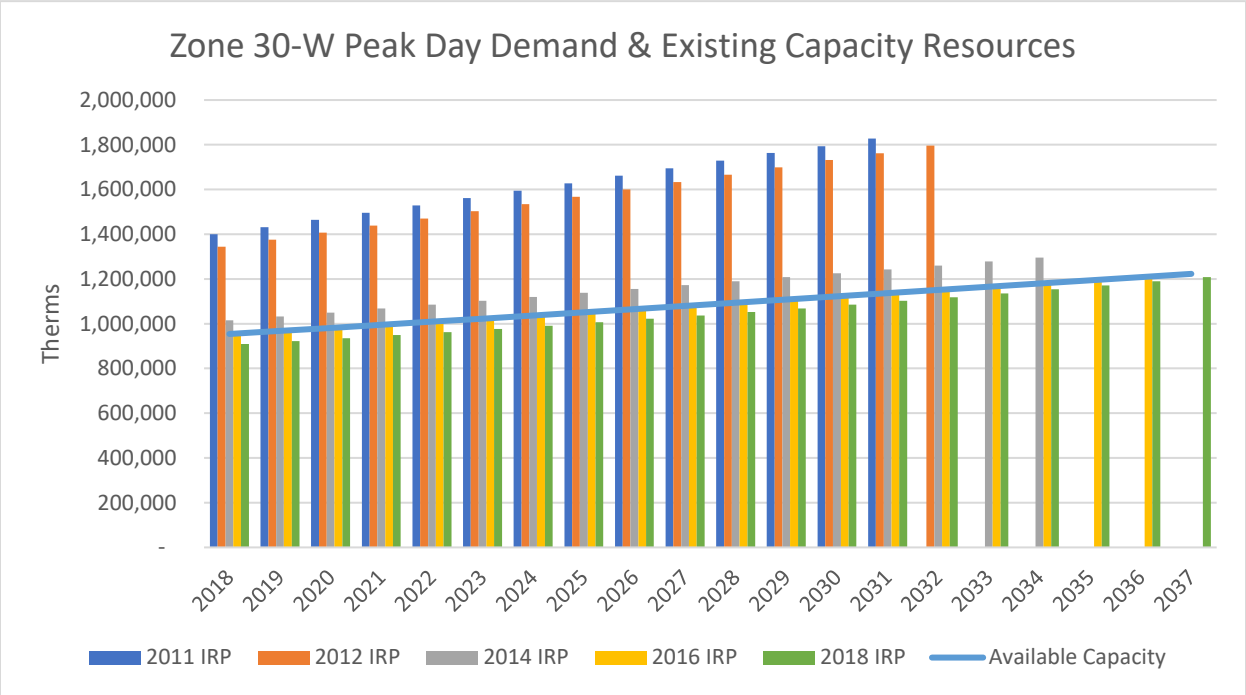

Zone 11 Peak Day Demand & Existing Capacity Resources
Therms
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

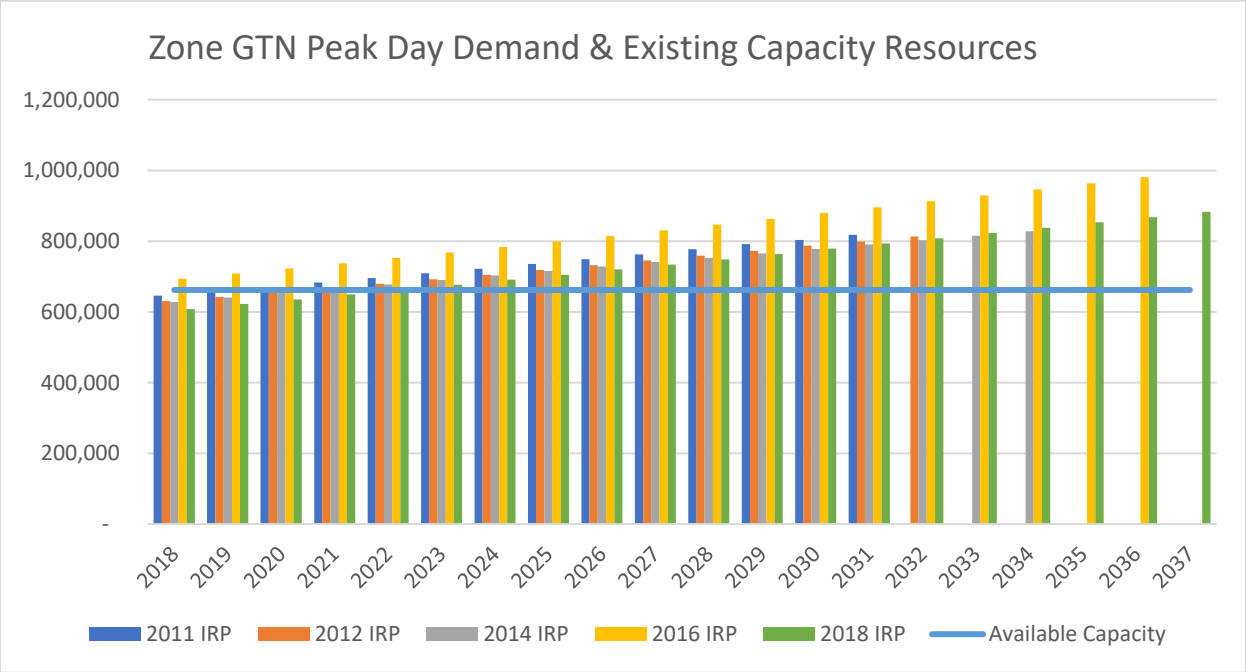

Zone 20 Peak Day Demand & Existing Capacity Resources
Therms
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

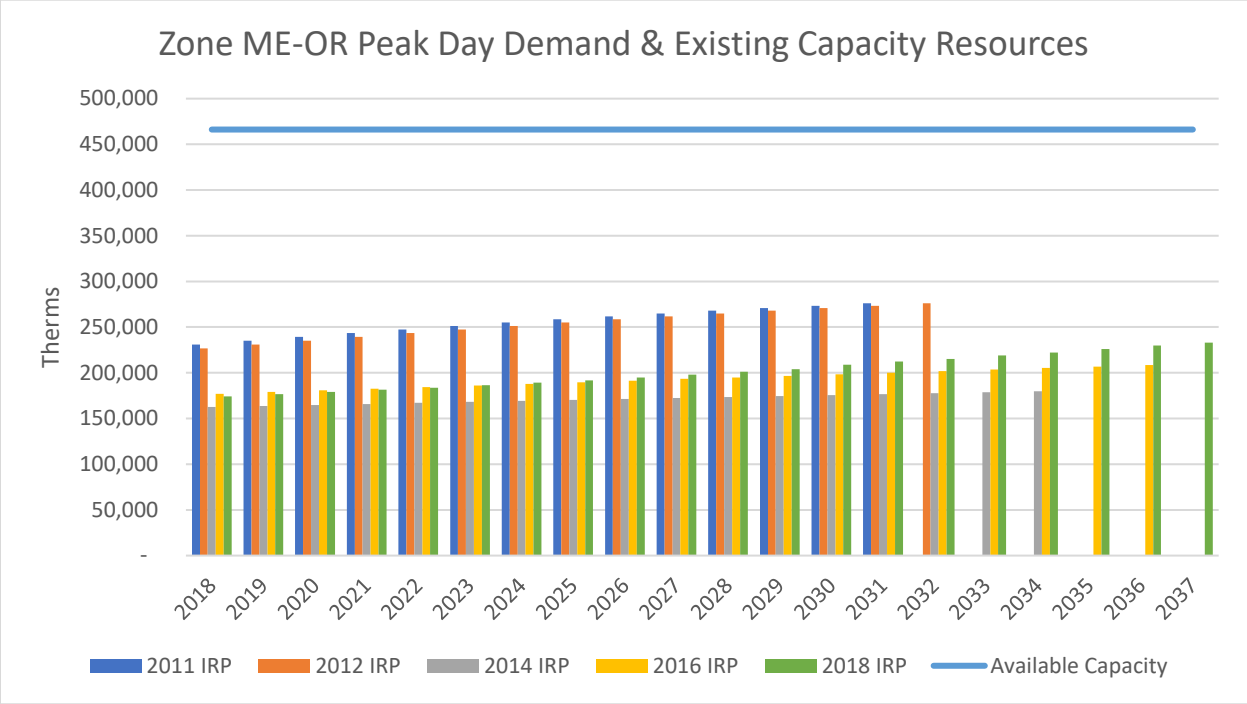

Zone 24 Peak Day Demand & Existing Capacity Resources
Therms
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

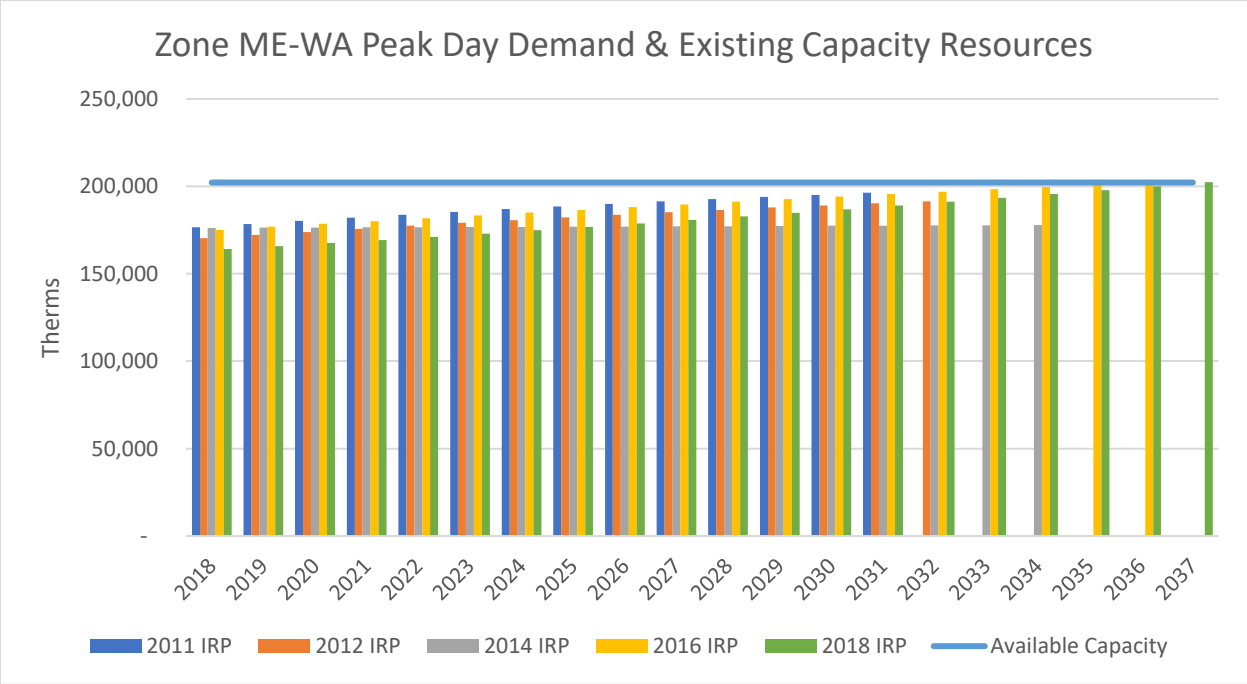

Zone 26 Peak Day Demand & Existing Capacity Resources
Therms
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

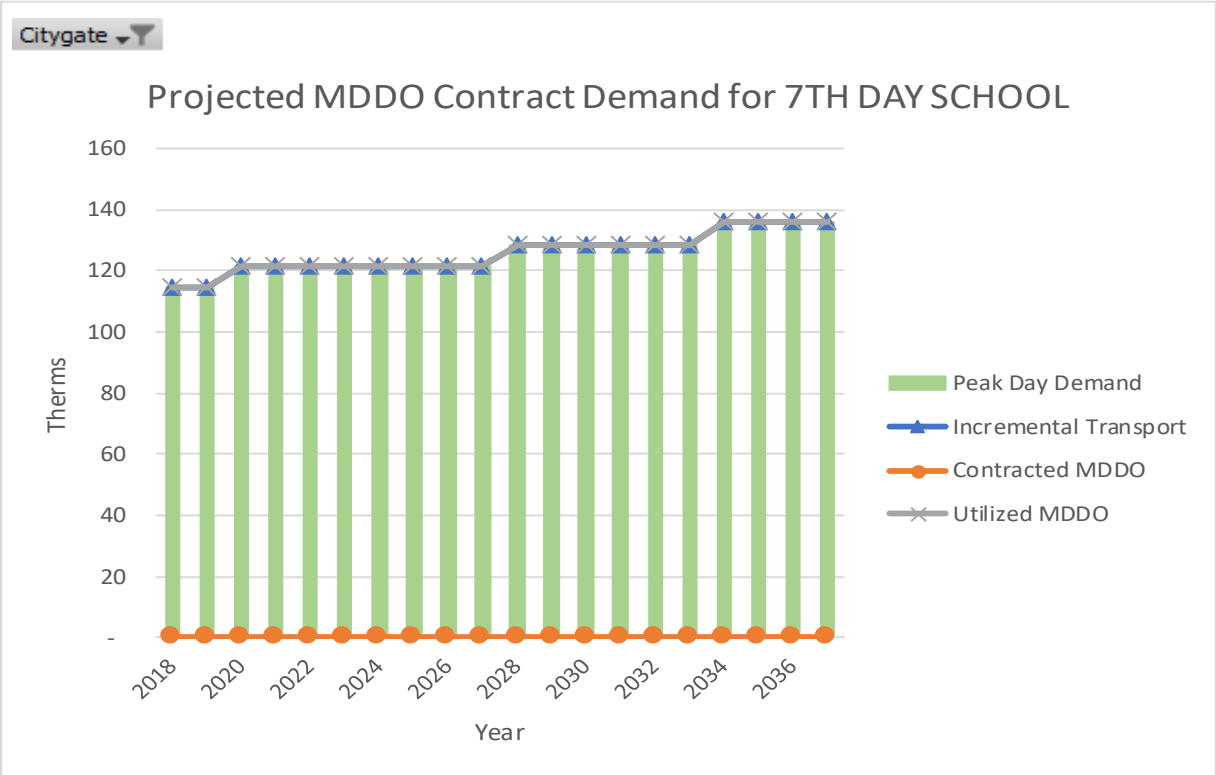

Zone 30-S Peak Day Demand & Existing Capacity Resources
Therms
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

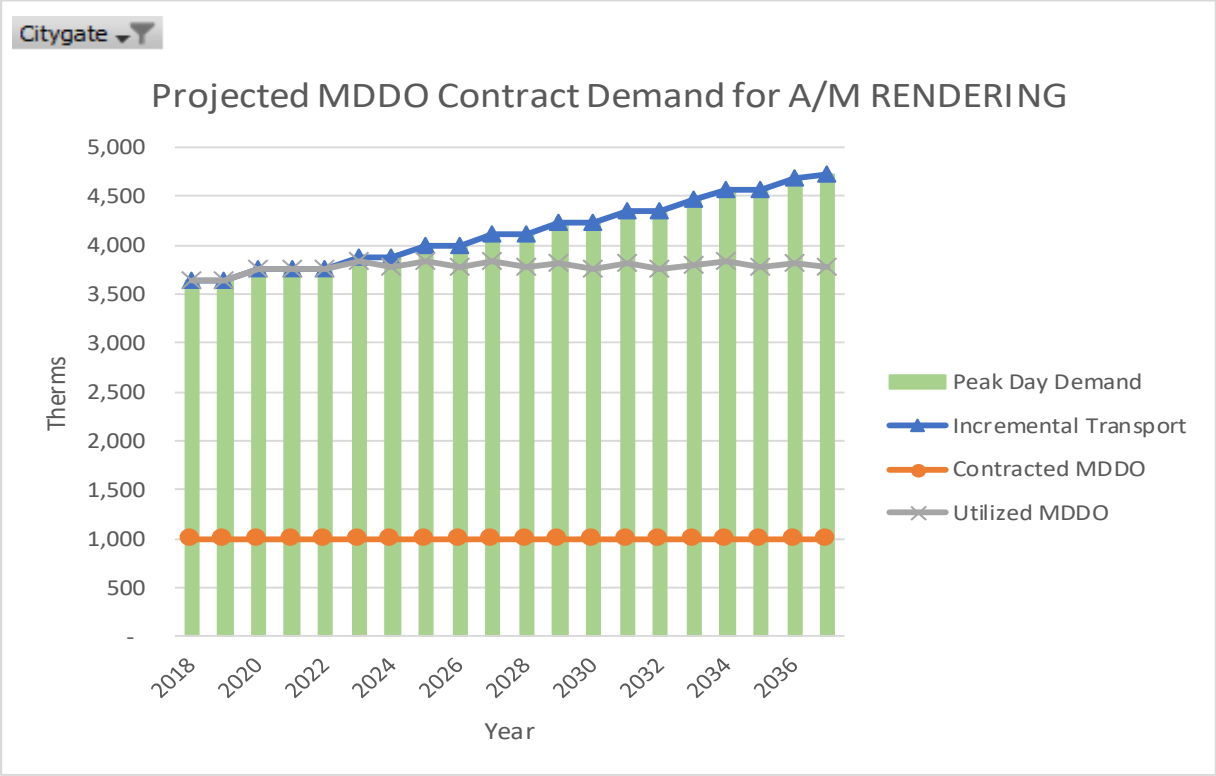

Zone 30-W Peak Day Demand & Existing Capacity Resources
Therms
2,000,000
1,800,000
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

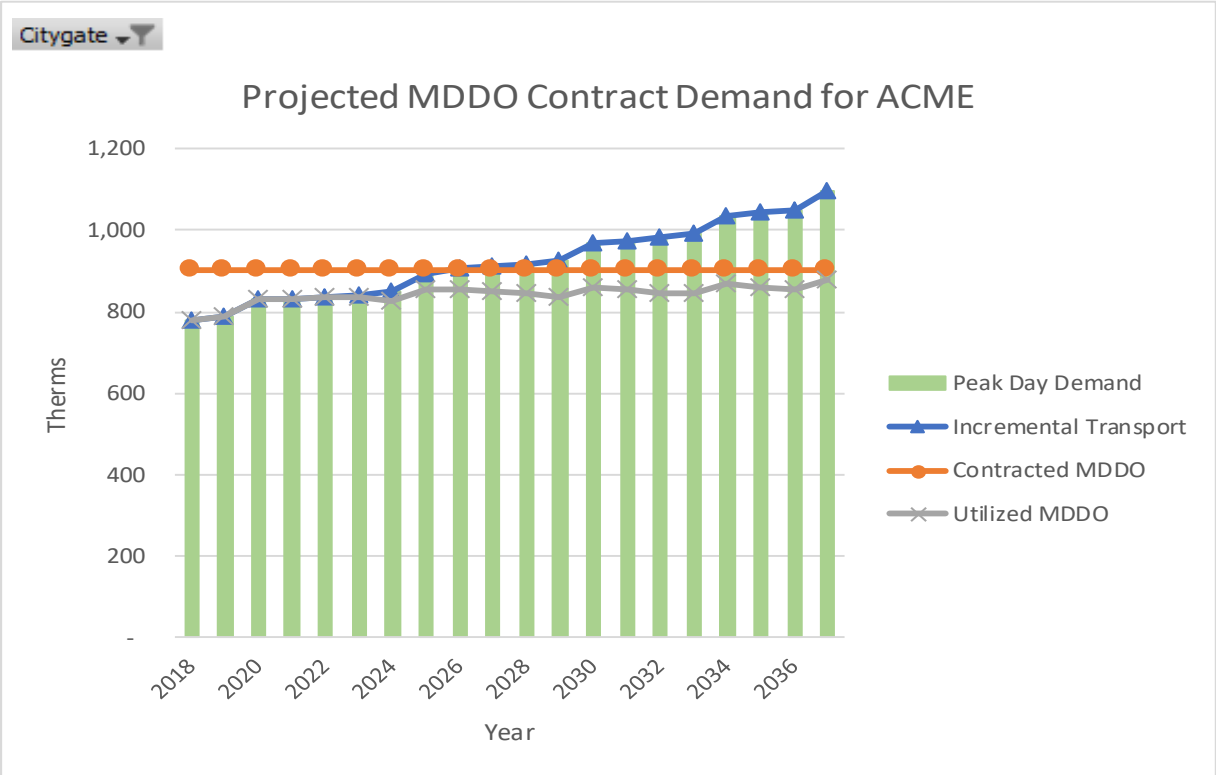

Zone GTN Peak Day Demand & Existing Capacity Resources
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

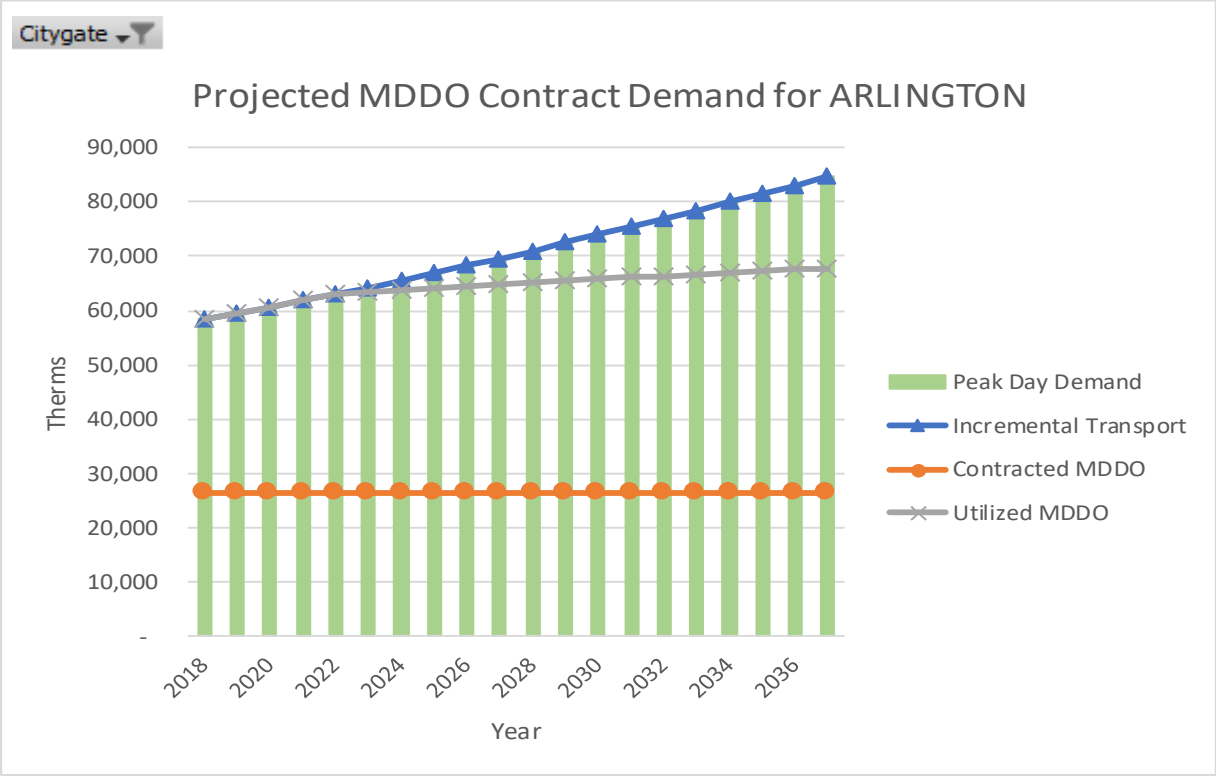

Zone ME-OR Peak Day Demand & Existing Capacity Resources
Therms
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

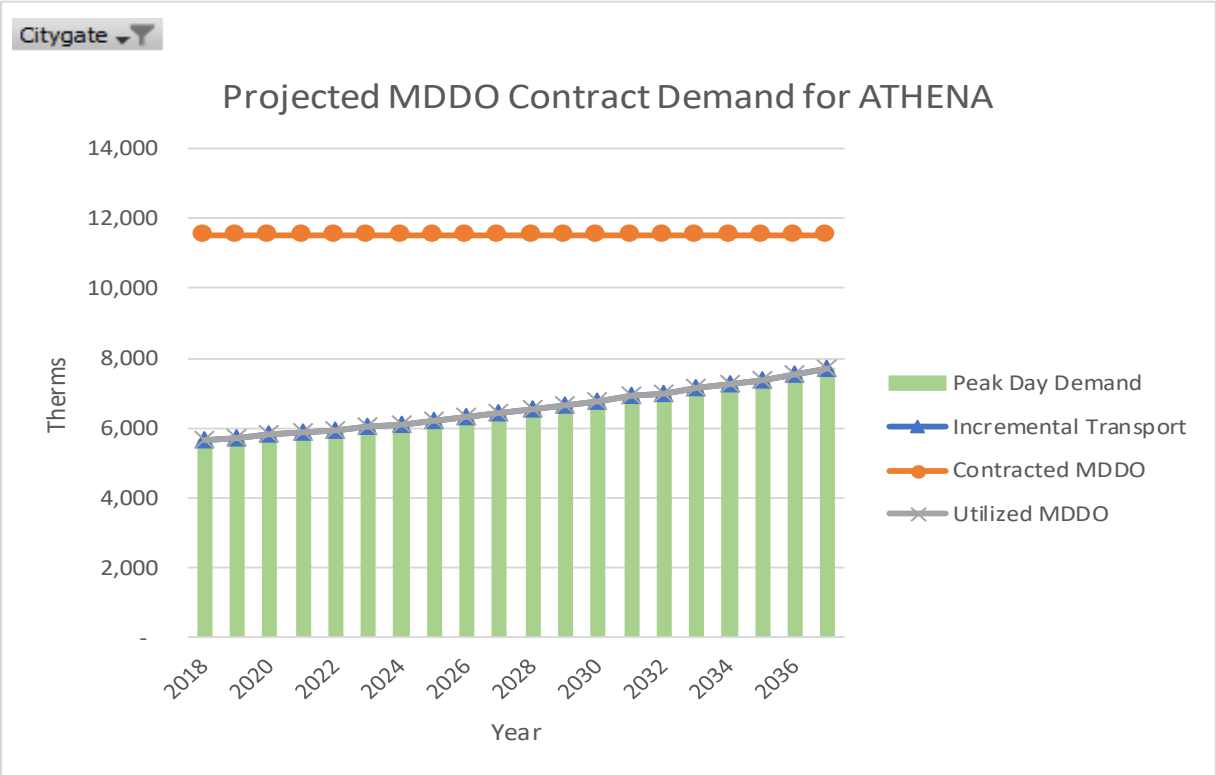

Zone ME-WA Peak Day Demand & Existing Capacity Resources
Therms
250,000
200,000
150,000
100,000
50,000
-
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2011 IRP
2012 IRP
2014 IRP
2016 IRP
2018 IRP
Available Capacity

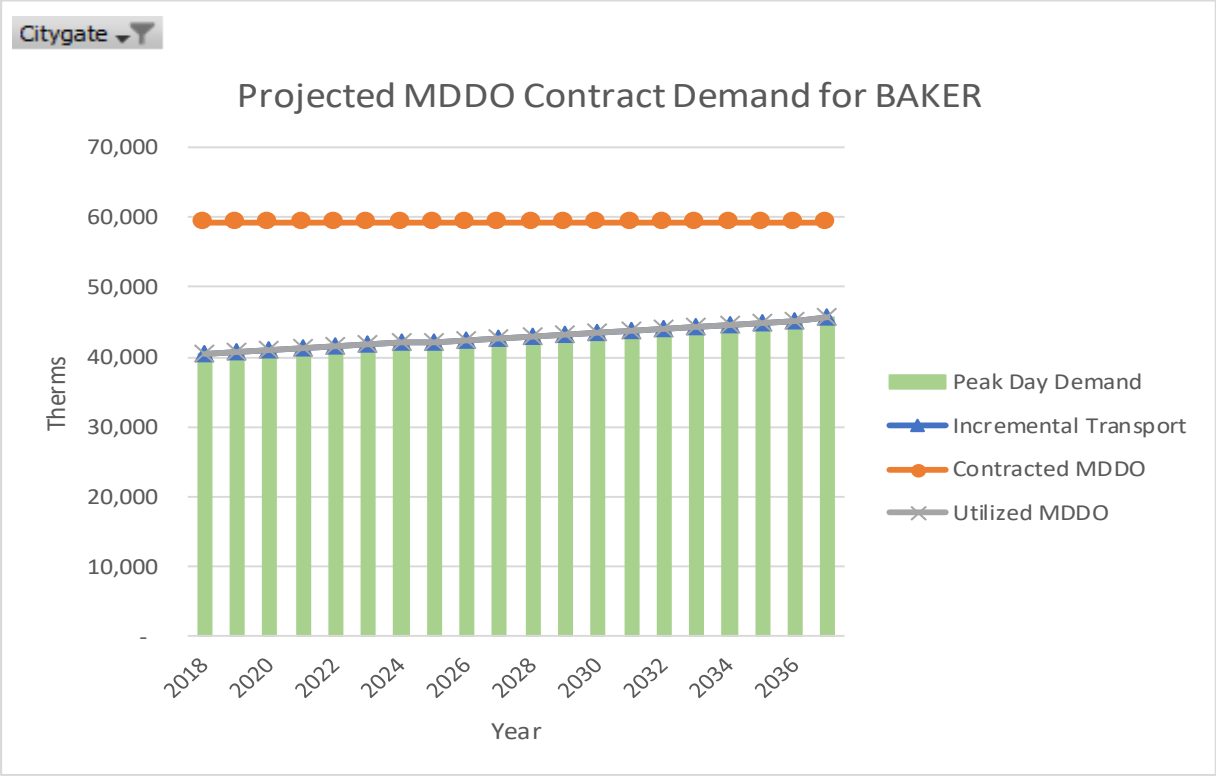

Citygate
Projected MDDO Contract Demand for 7TH DAY SCHOOL
160
140
120
100
80
60
40
20
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

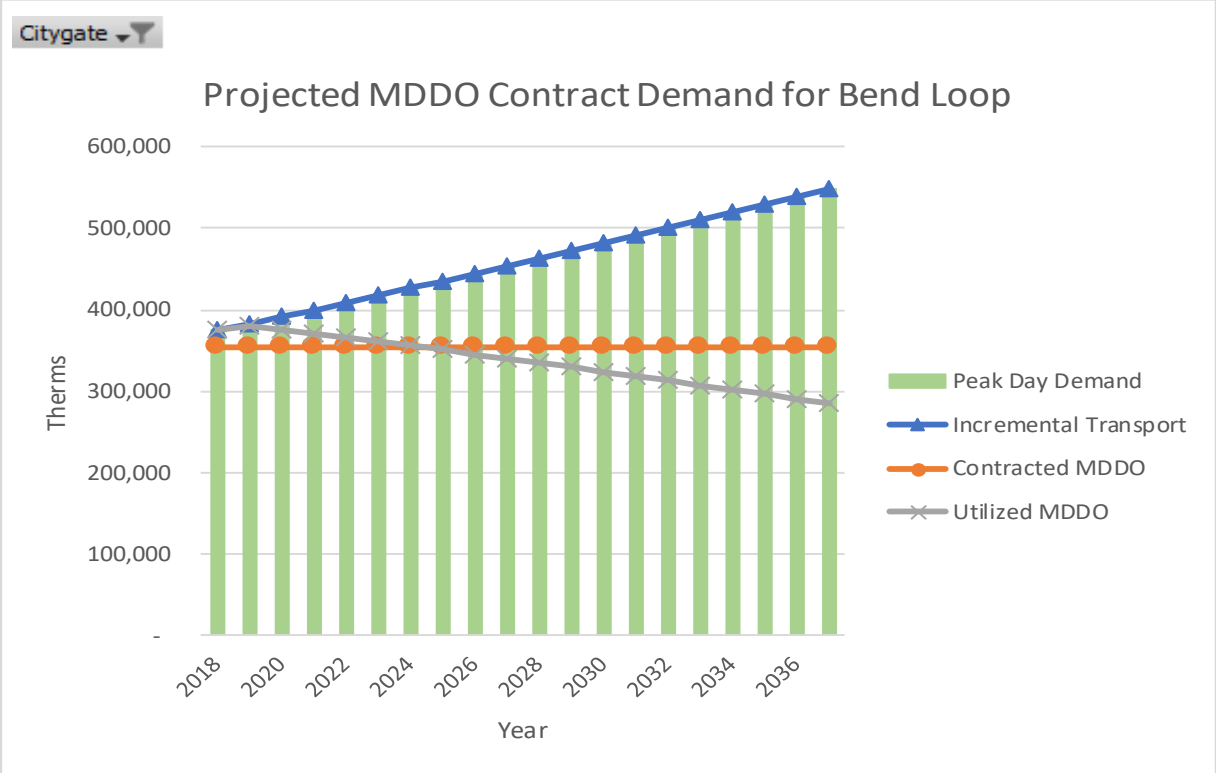

Citygate
Projected MDDO Contract Demand for A/M RENDERING
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

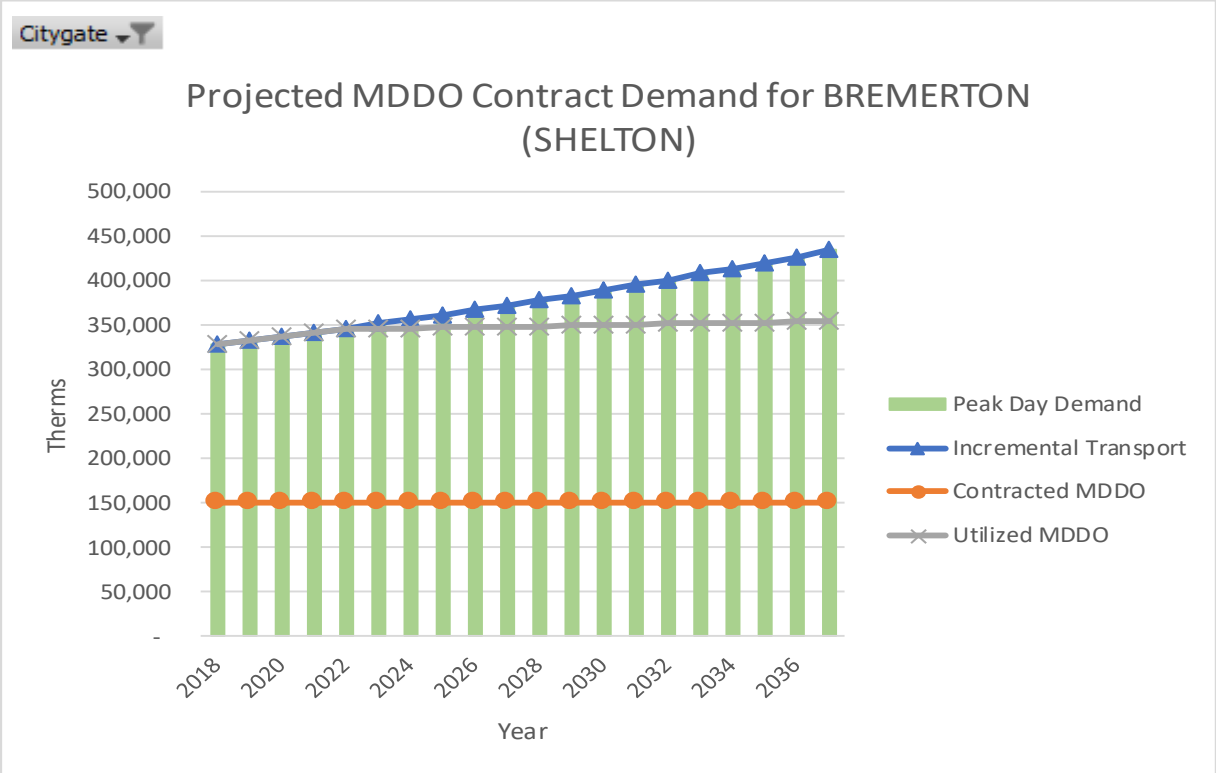

Citygate
Projected MDDO Contract Demand for ACME
1,200
1,000
800
600
400
200
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

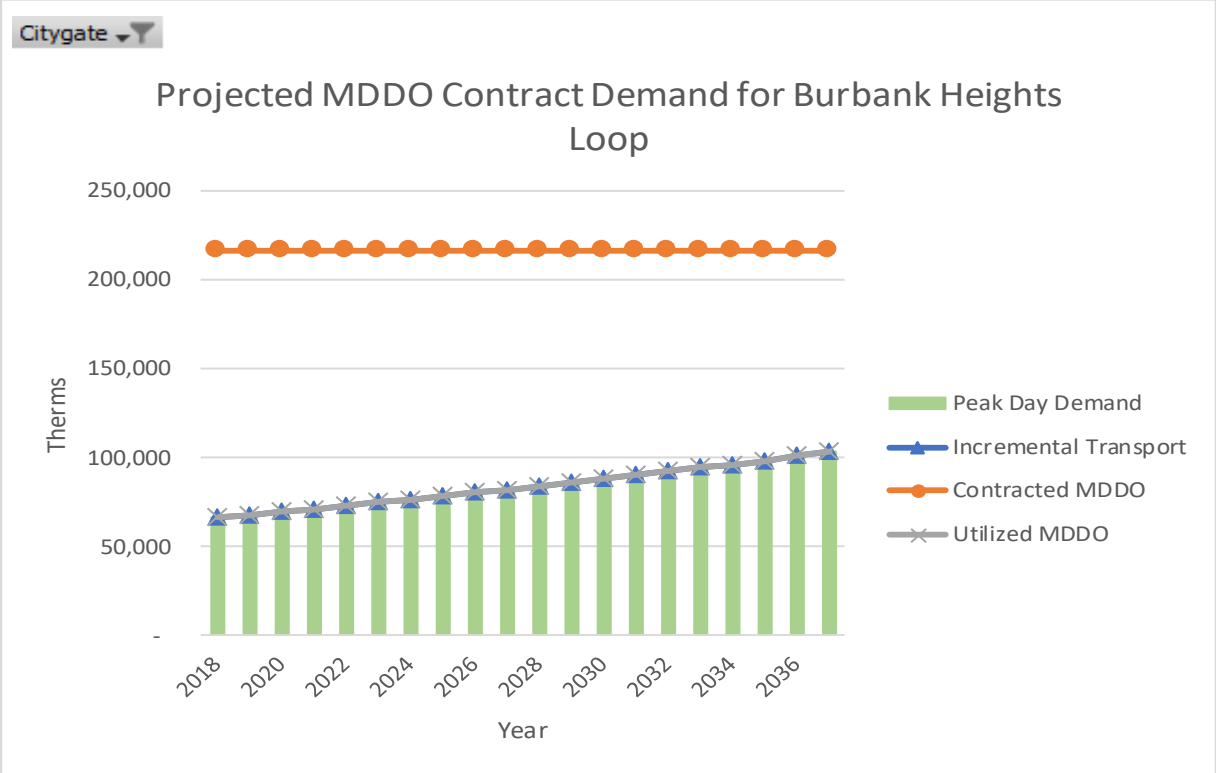

Citygate
Projected MDDO Contract Demand for ARLINGTON
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

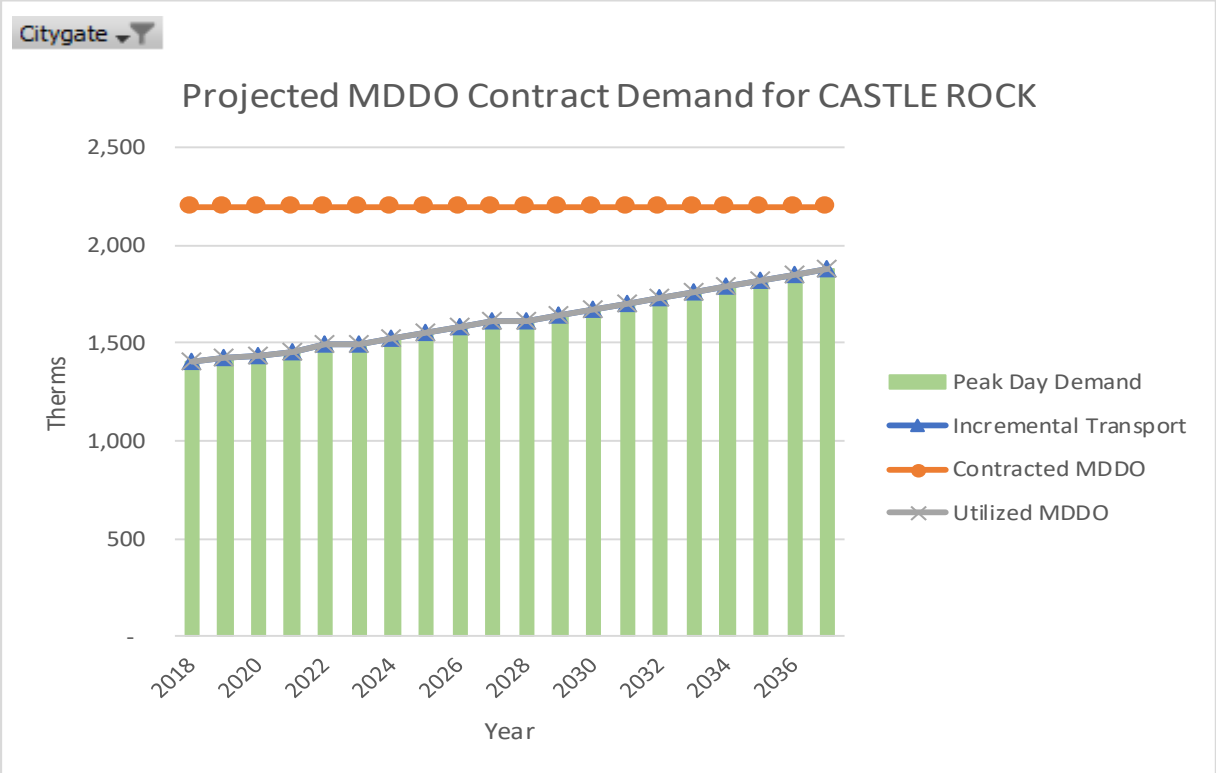

Citygate
Projected MDDO Contract Demand for ATHENA
14,000
12,000
10,000
8,000
6,000
4,000
2,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

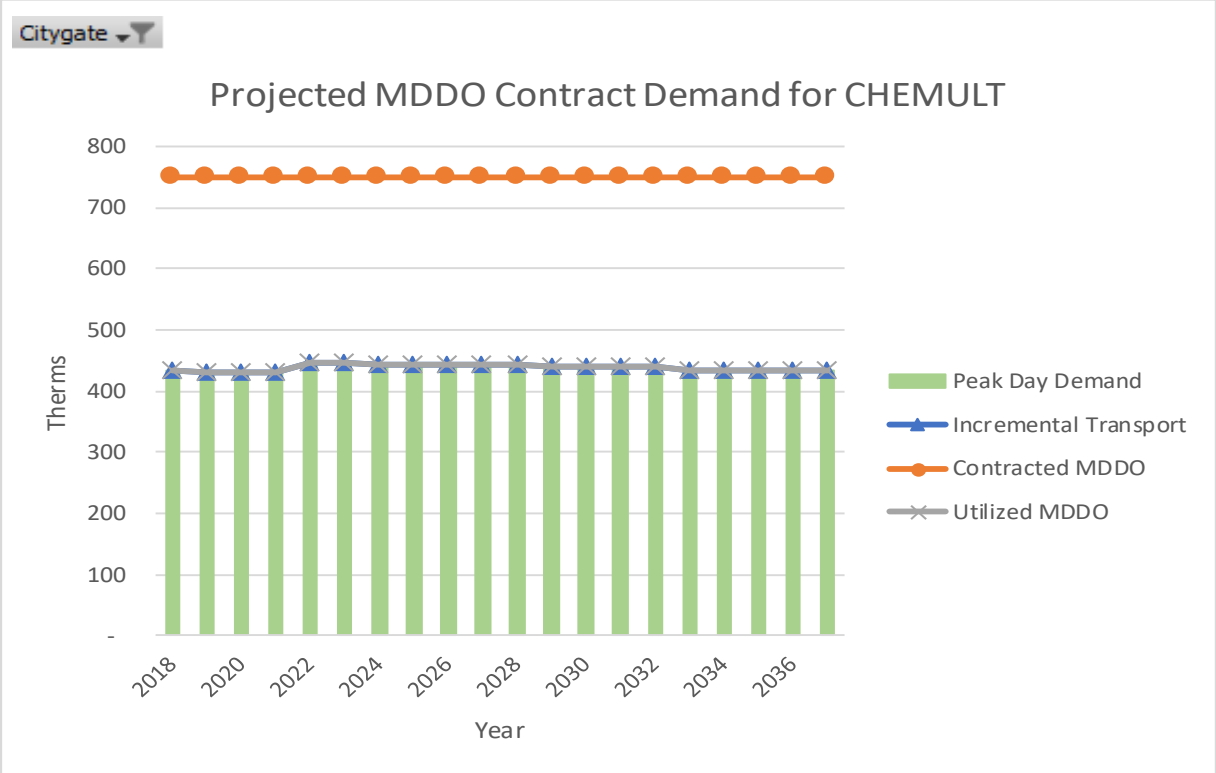

Citygate
Projected MDDO Contract Demand for BAKER
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

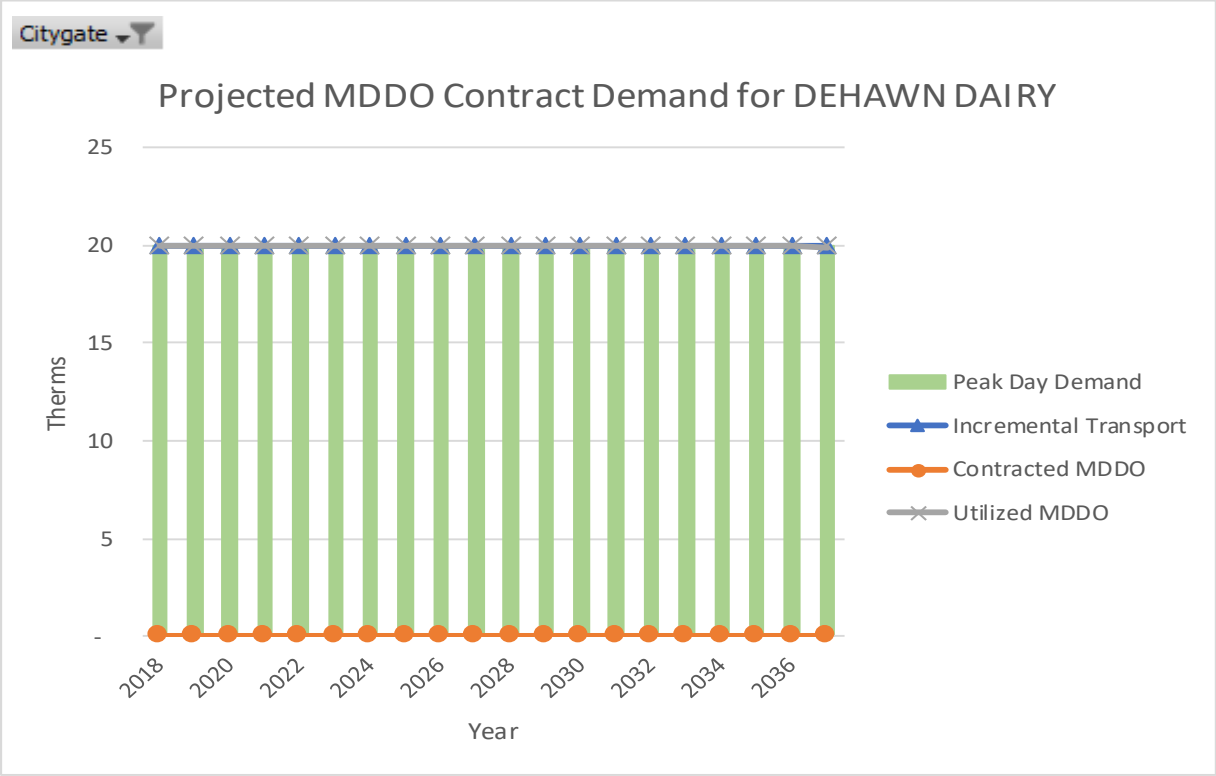

Citygate
Projected MDDO Contract Demand for Bend Loop
600,000
500,000
400,000
300,000
200,000
100,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

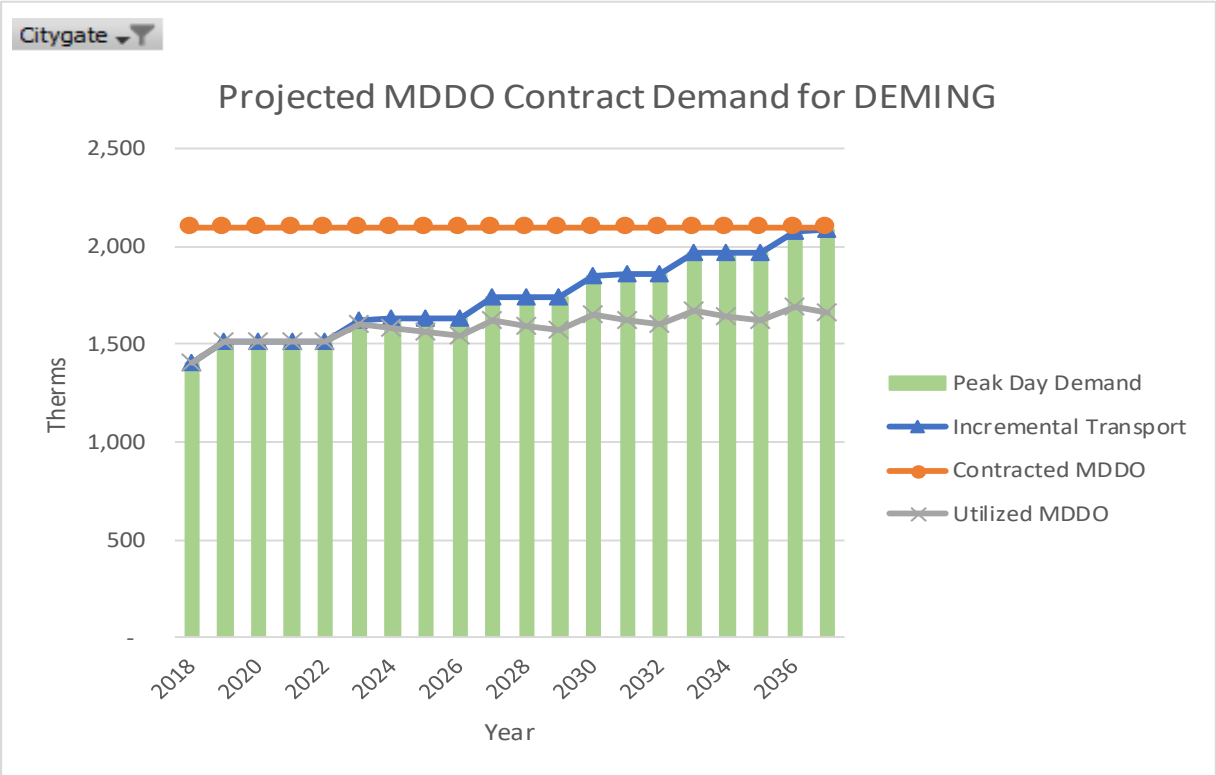

Citygate
Projected MDDO Contract Demand for BREMERTON (SHELTON)
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

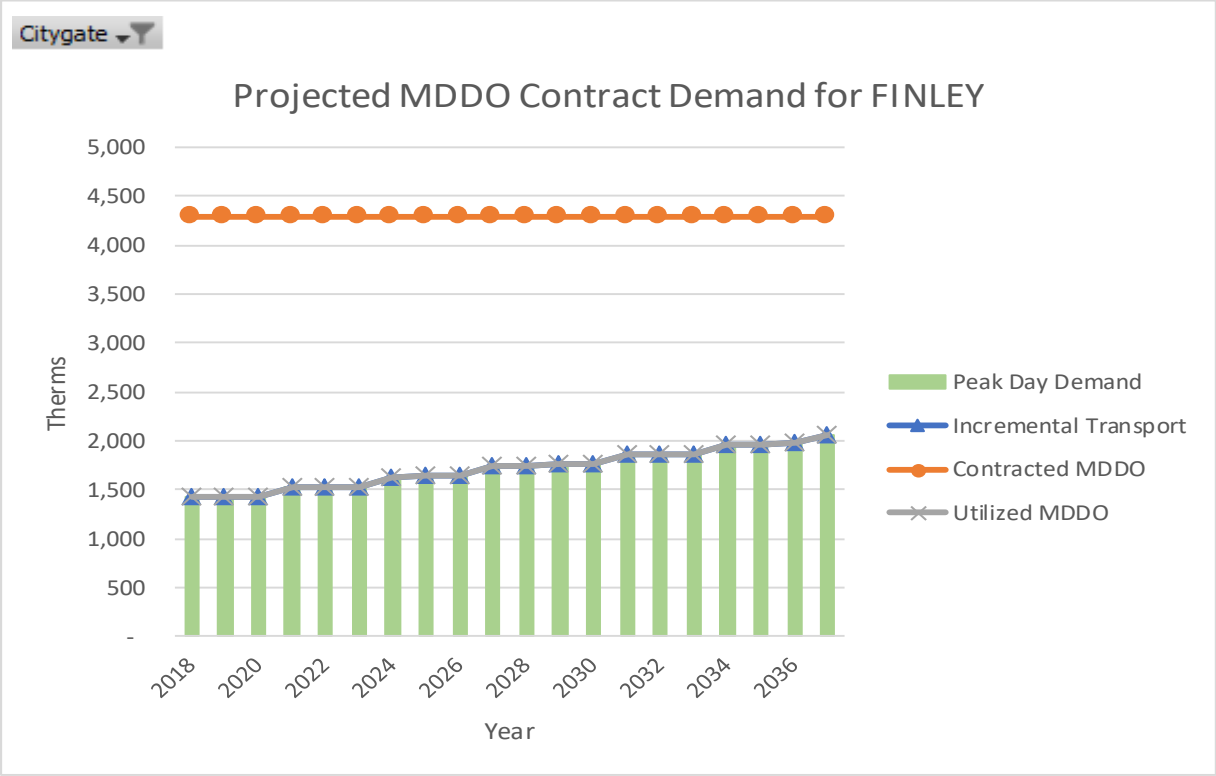

Citygate
Projected MDDO Contract Demand for Burbank Heights Loop
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

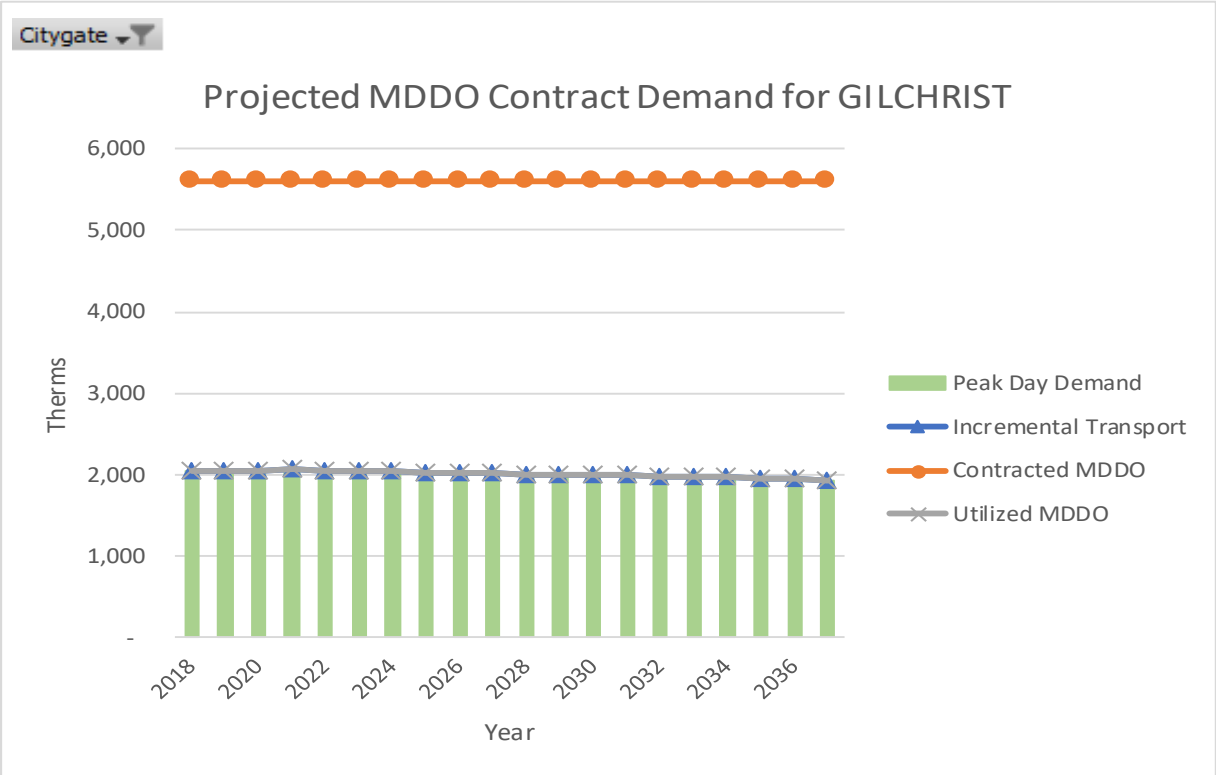

Citygate
Projected MDDO Contract Demand for CASTLE ROCK
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

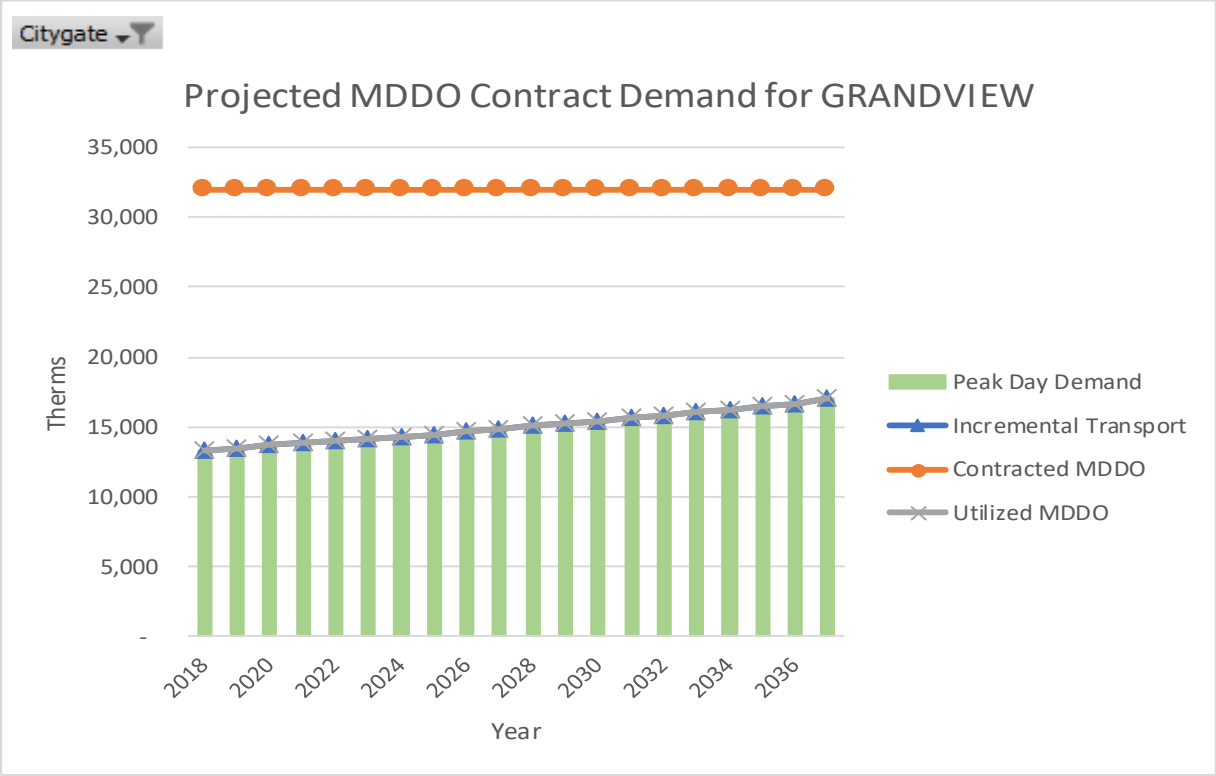

Citygate
Projected MDDO Contract Demand for CHEMULT
800
700
600
500
400
300
200
100
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

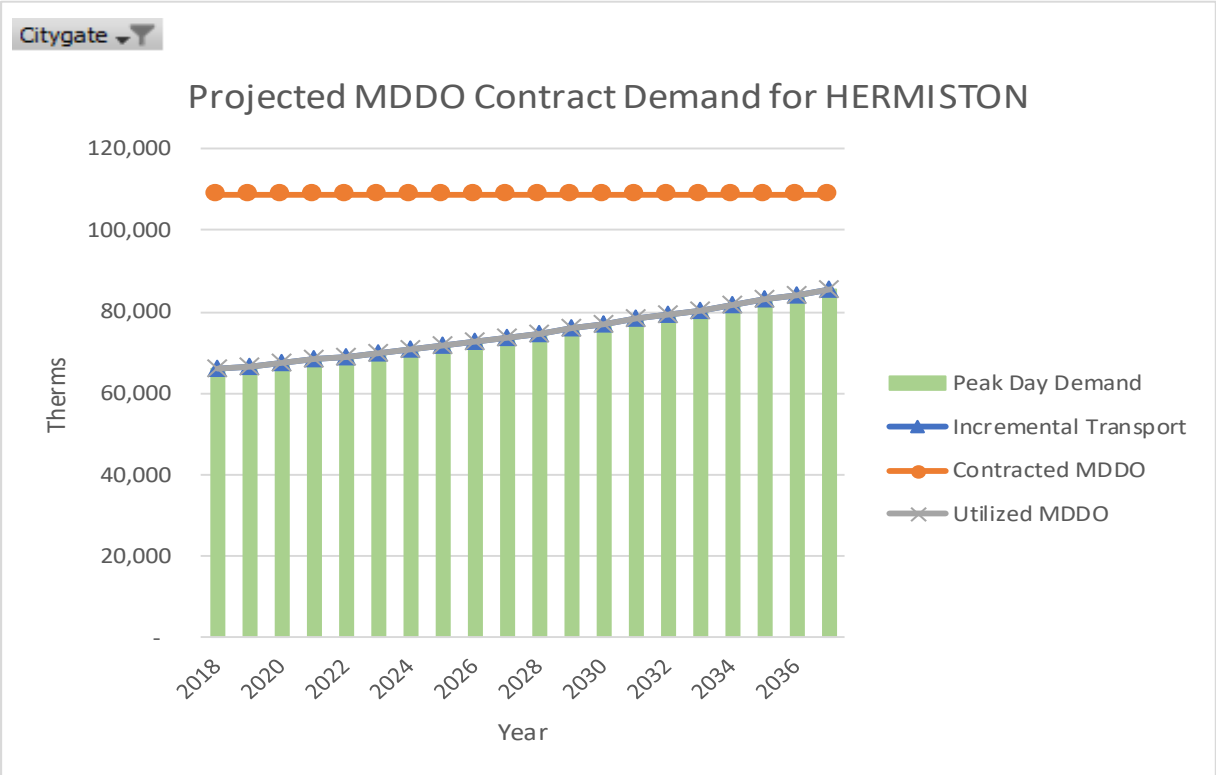

Citygate
Projected MDDO Contract Demand for DEHAWN DAIRY
25
20
15
10
5
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

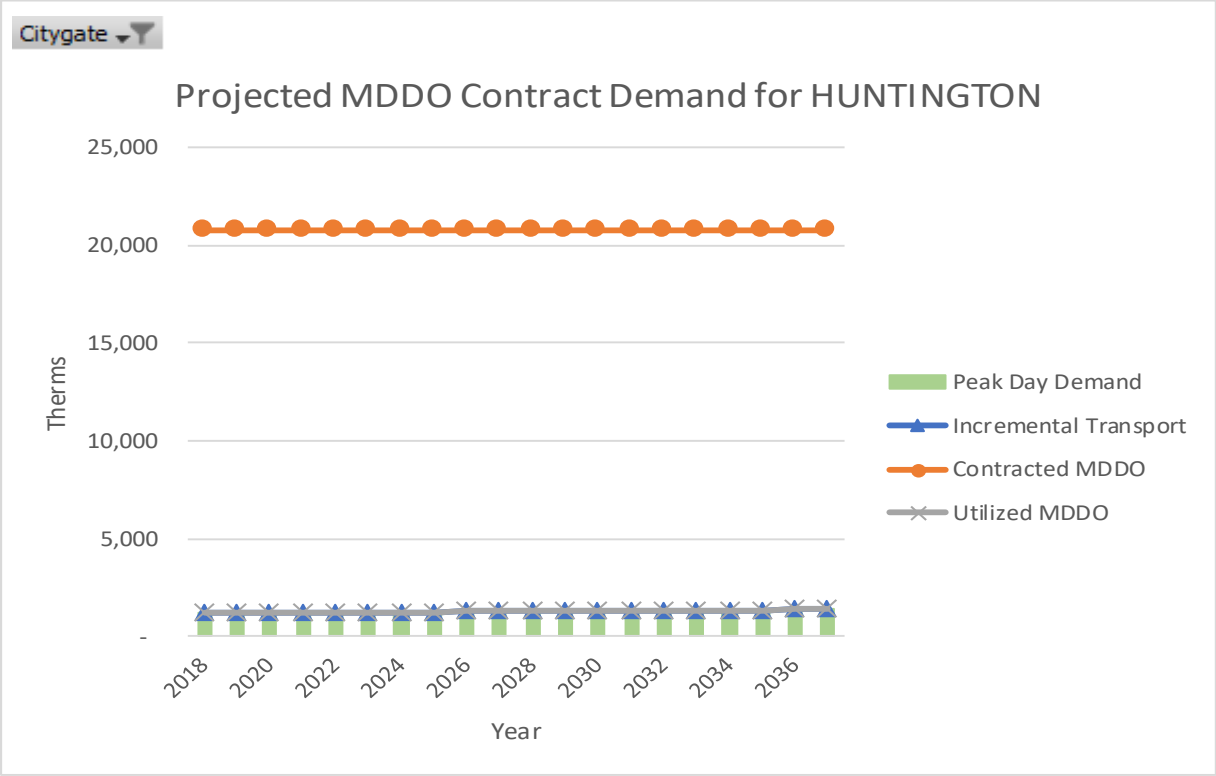

Citygate
Projected MDDO Contract Demand for DEMING
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

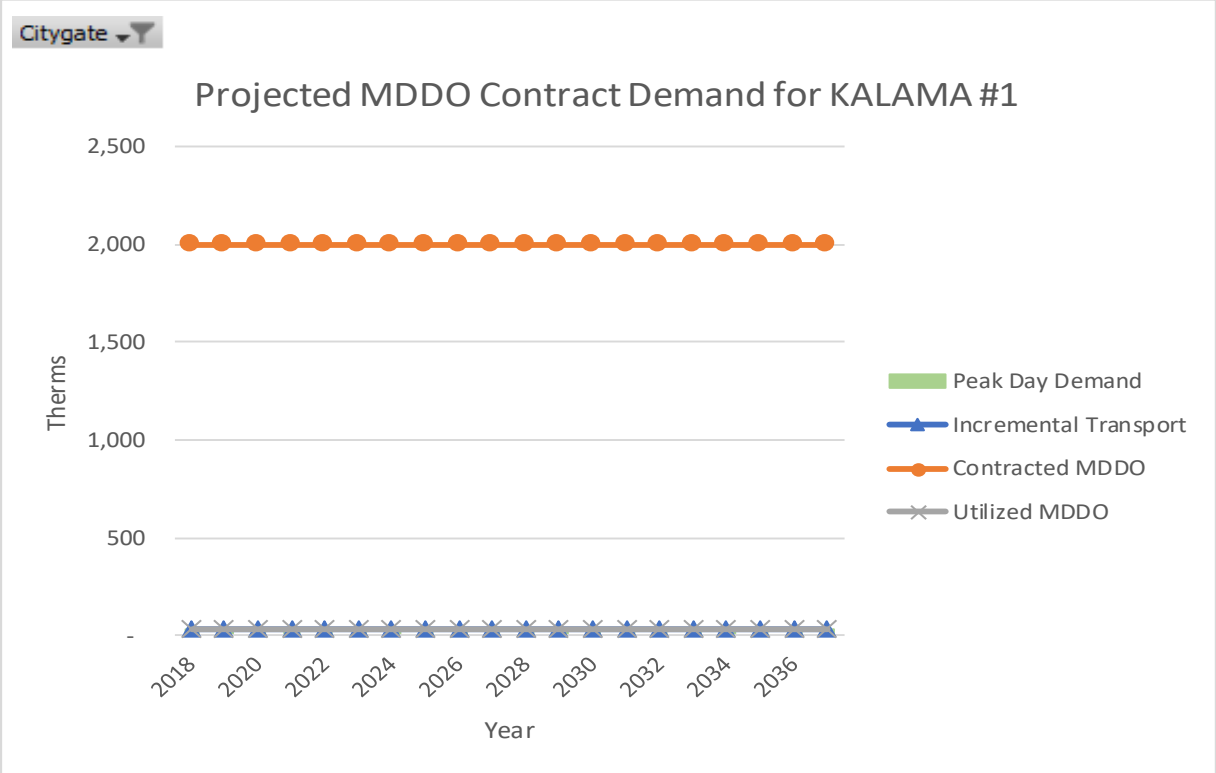

Citygate
Projected MDDO Contract Demand for FINLEY
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

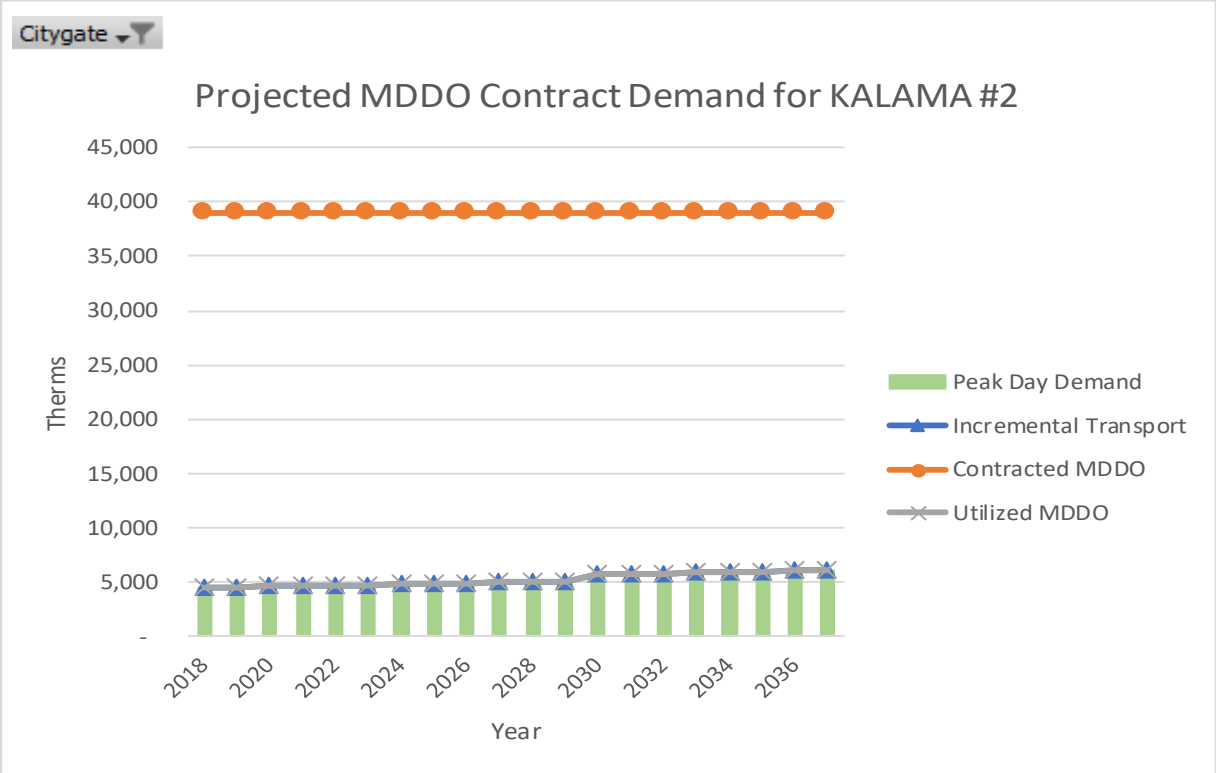

Citygate
Projected MDDO Contract Demand for GILCHRIST
6,000
5,000
4,000
3,000
2,000
1,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

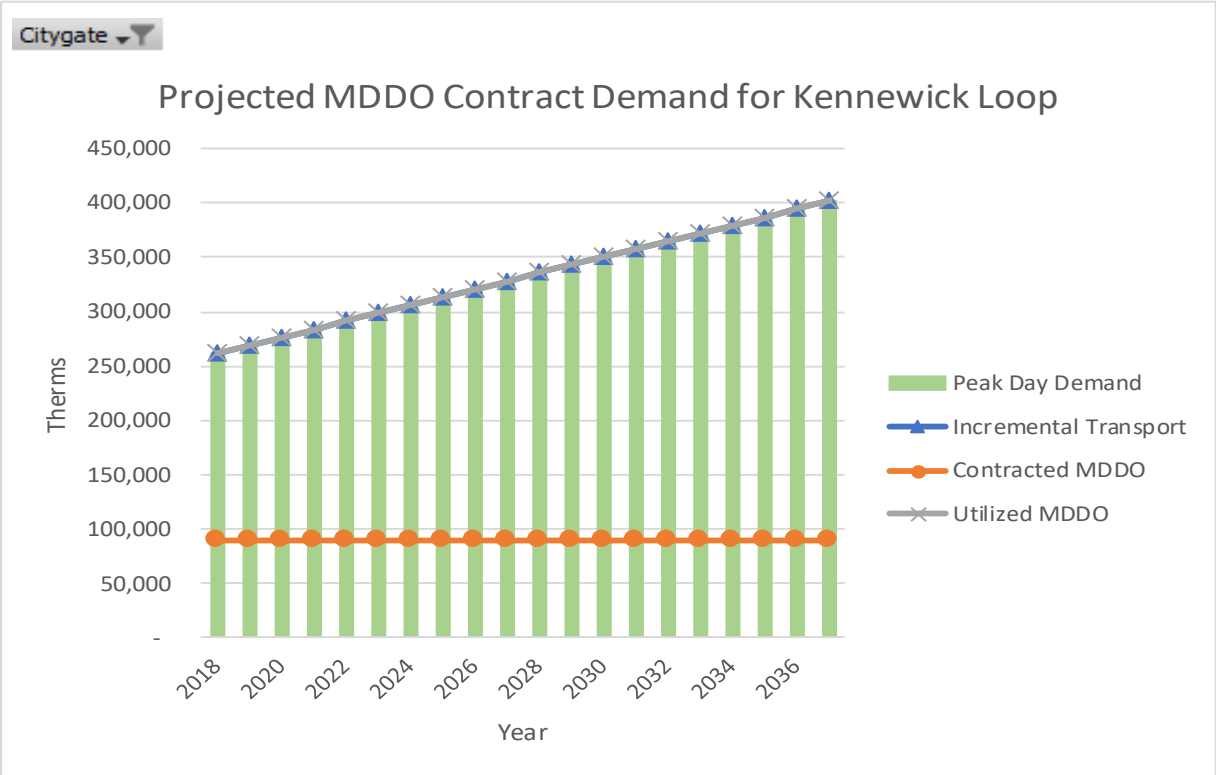

Citygate
Projected MDDO Contract Demand for GRANDVIEW
35,000
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

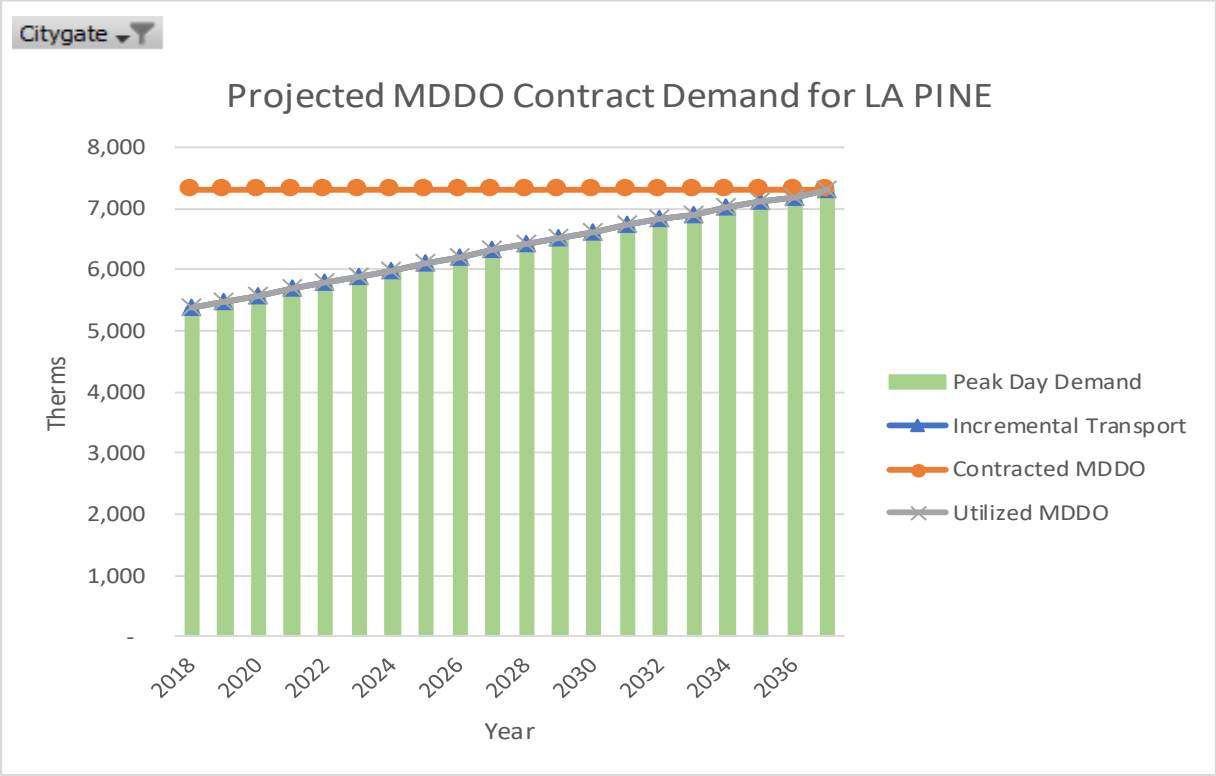

Citygate
Projected MDDO Contract Demand for HERMISTON
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for HUNTINGTON
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for KALAMA #1
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for KALAMA #2
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Kennewick Loop
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for LA PINE
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
Therms
2018
2020
2022
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2026
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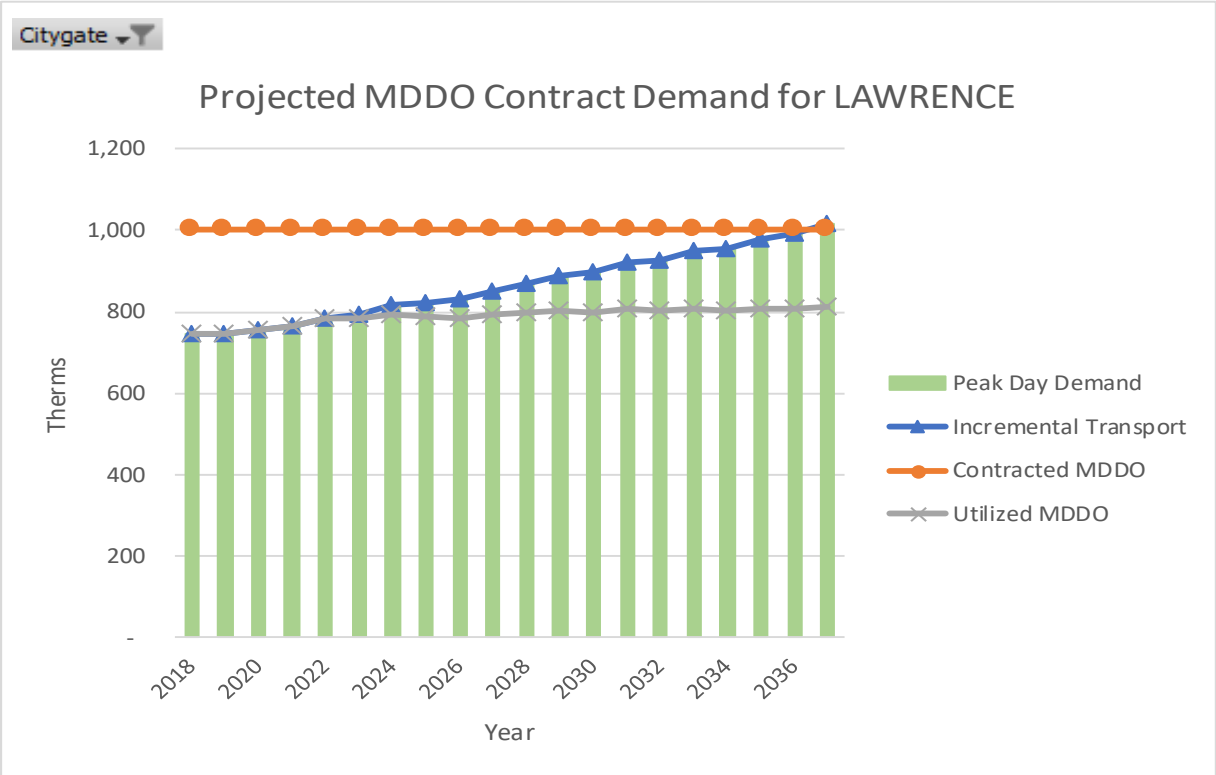
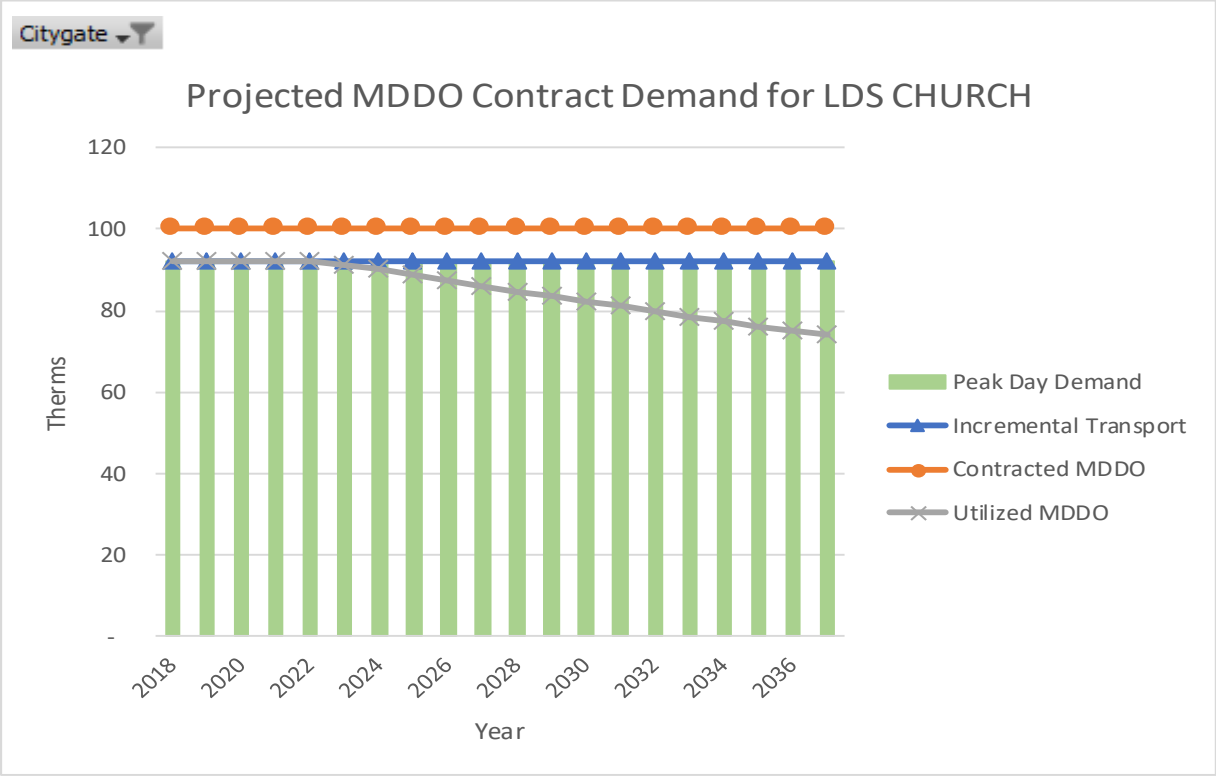
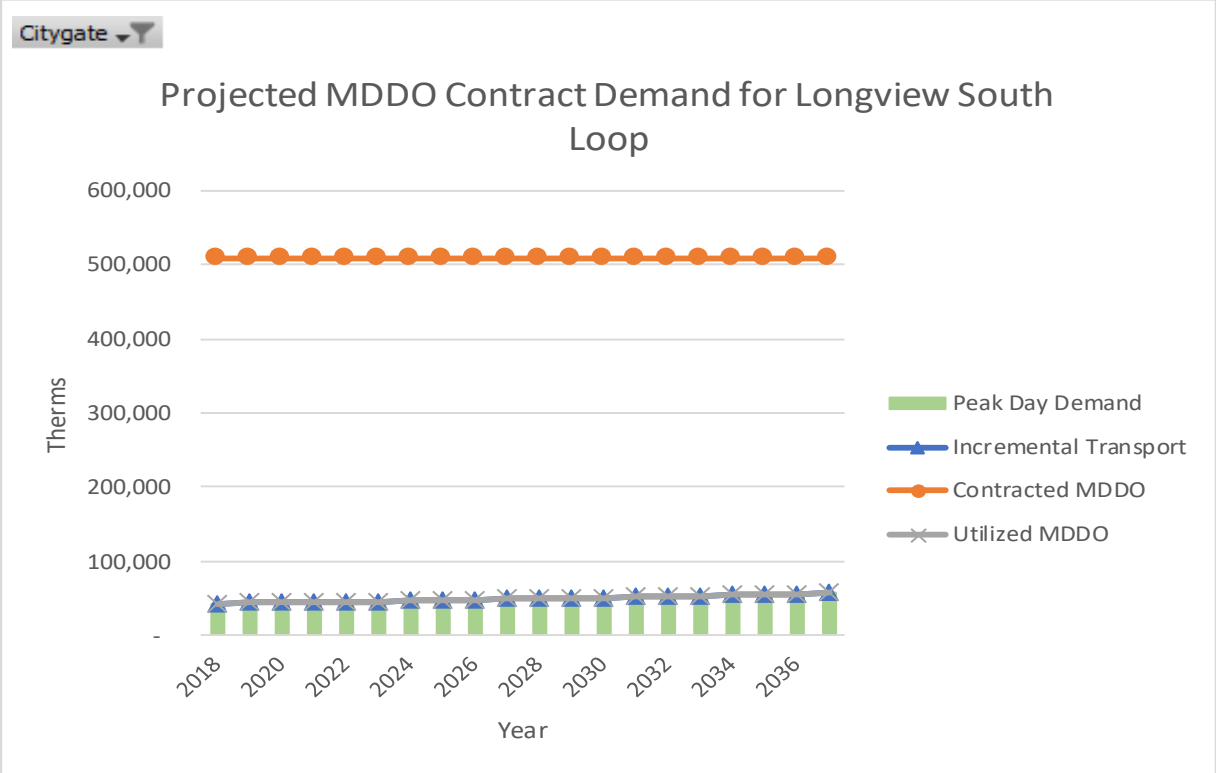
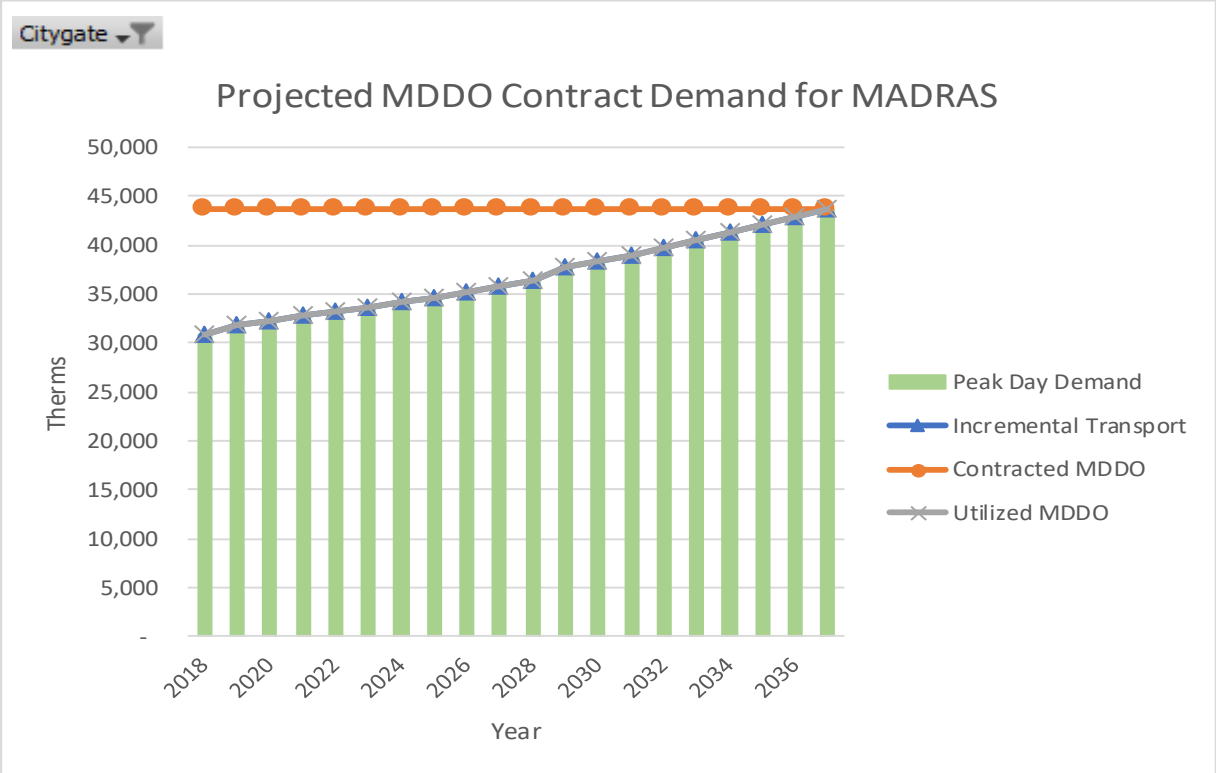
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for LAWRENCE
1,200
1,000
800
600
400
200
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for LDS CHURCH
120
100
80
60
40
20
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Longview South Loop
600,000
500,000
400,000
300,000
200,000
100,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for MADRAS
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
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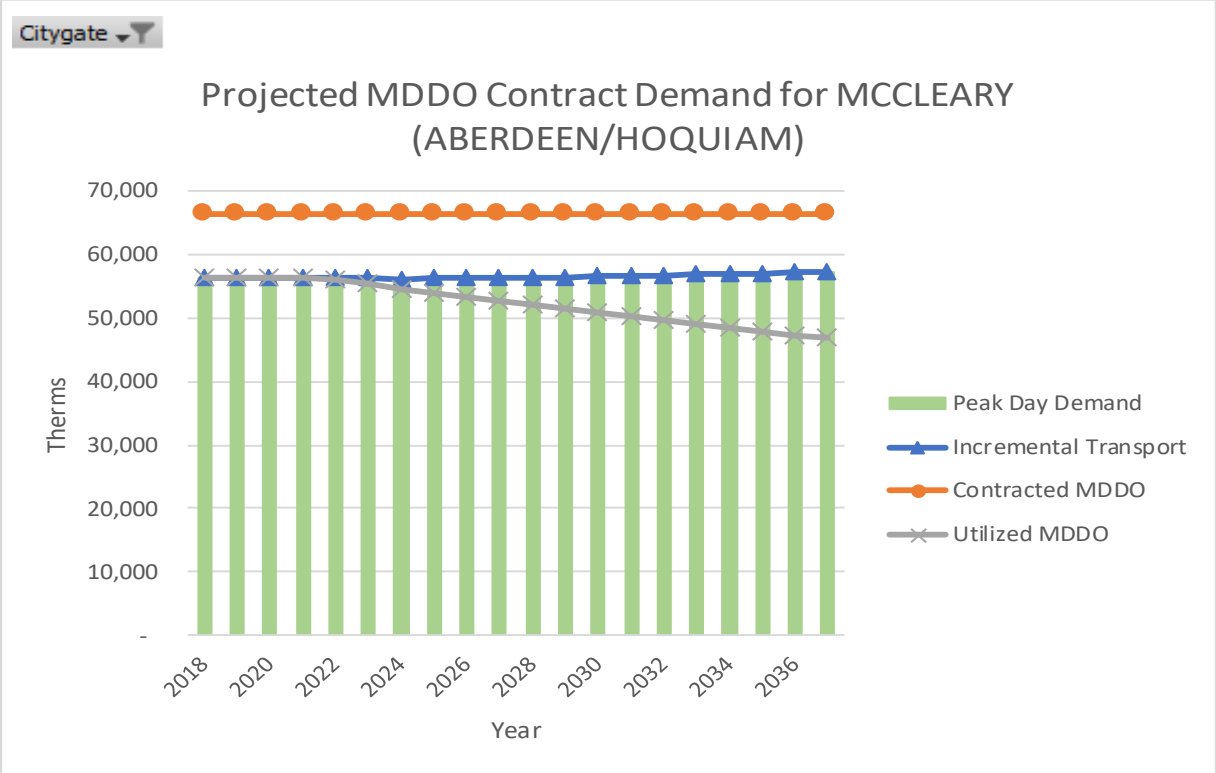
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for MCCLEARY (ABERDEEN/HOQUIAM)
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
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2028
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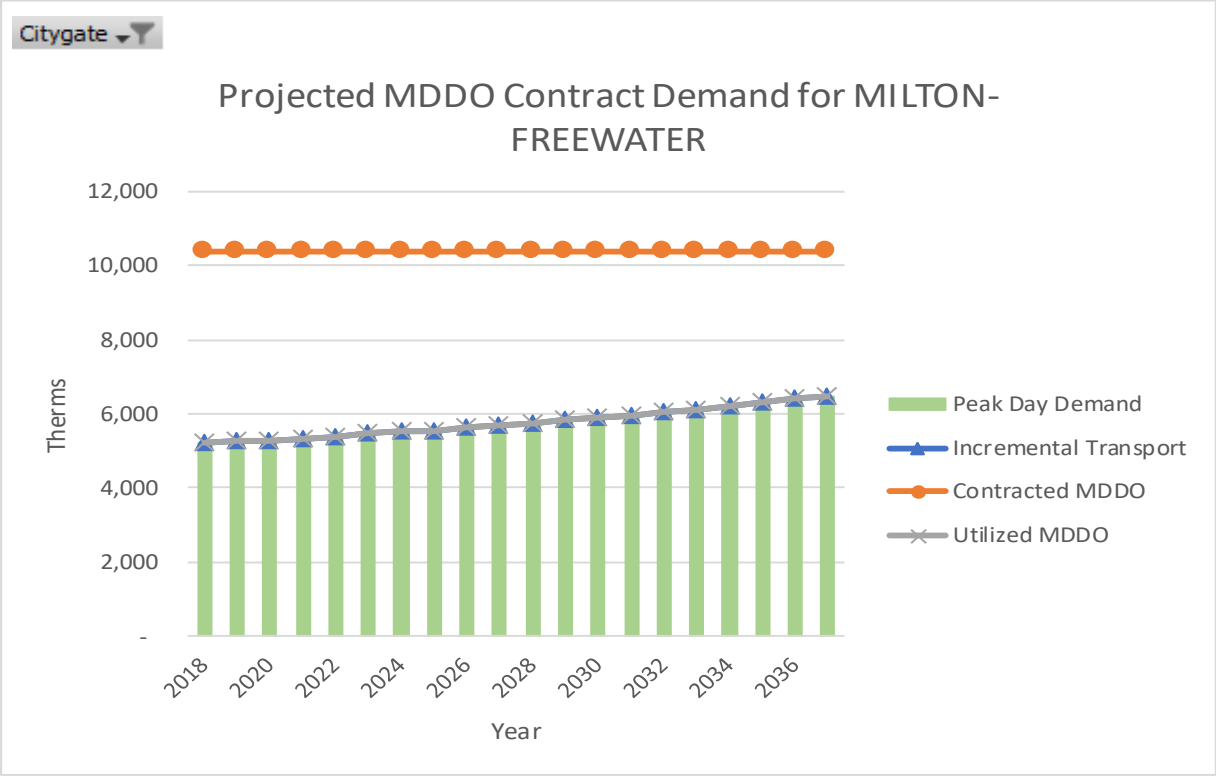
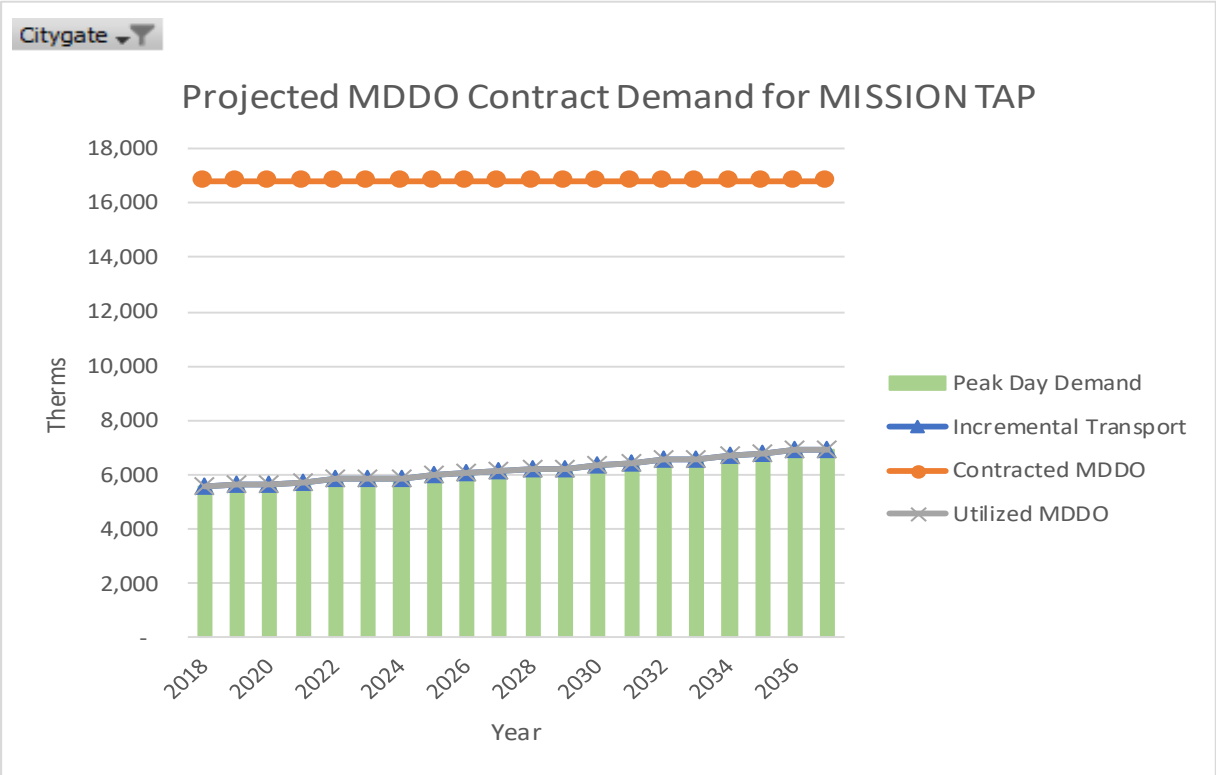
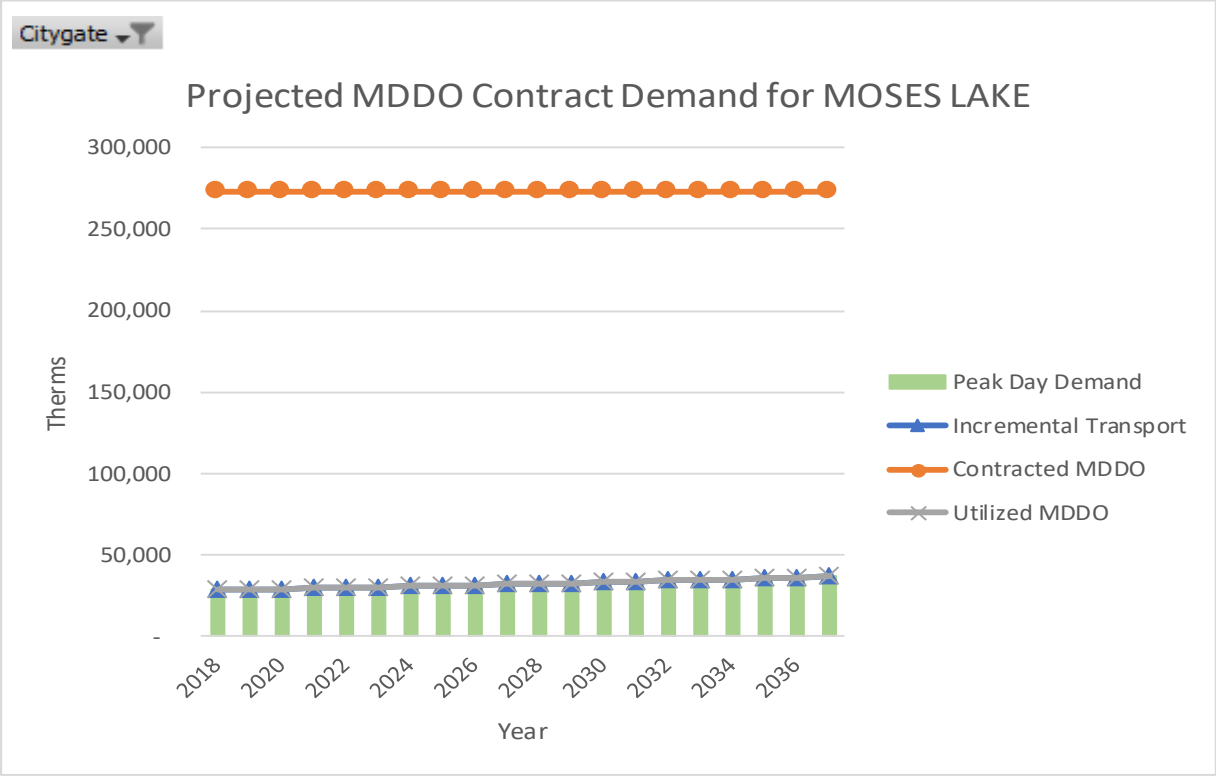
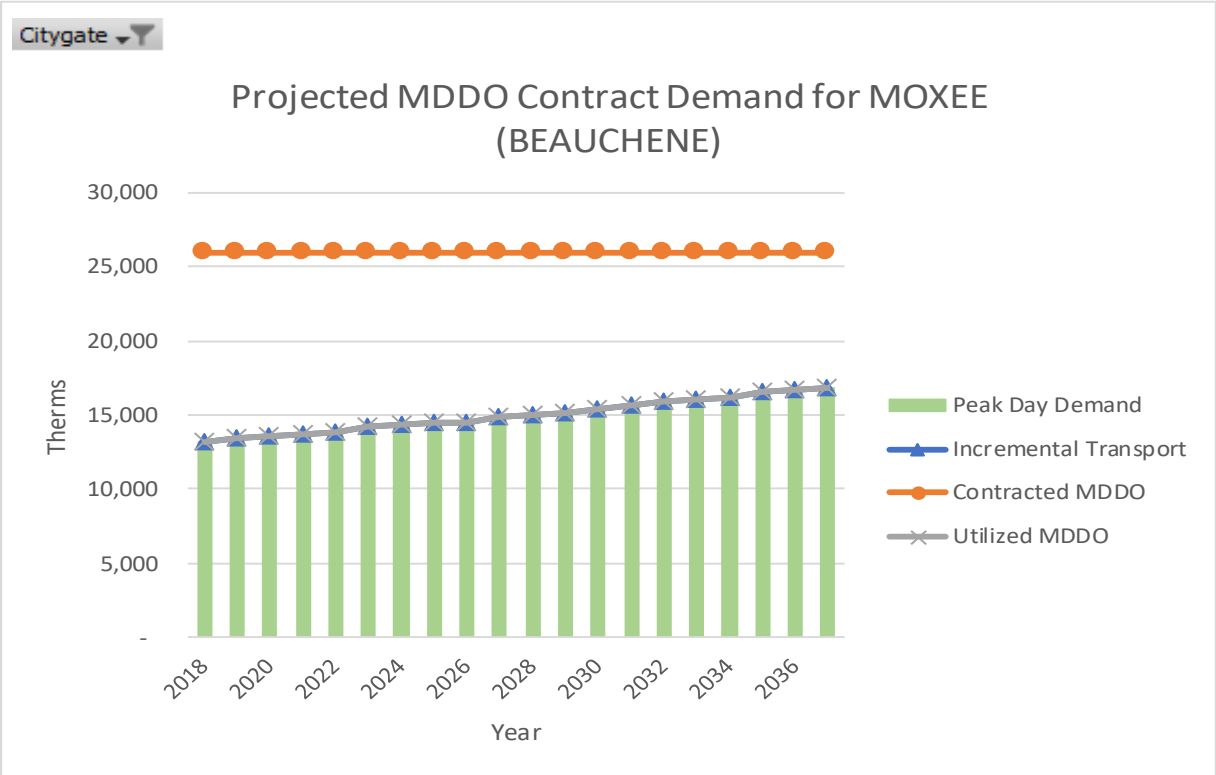
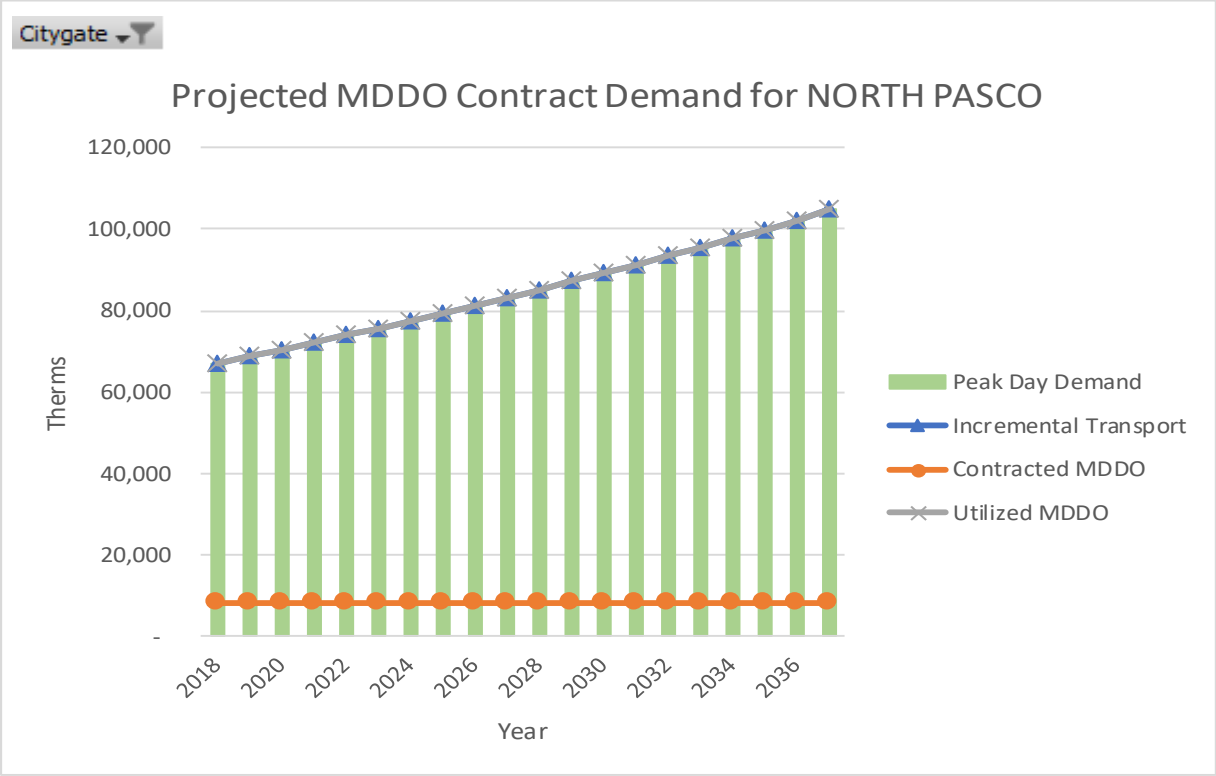
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

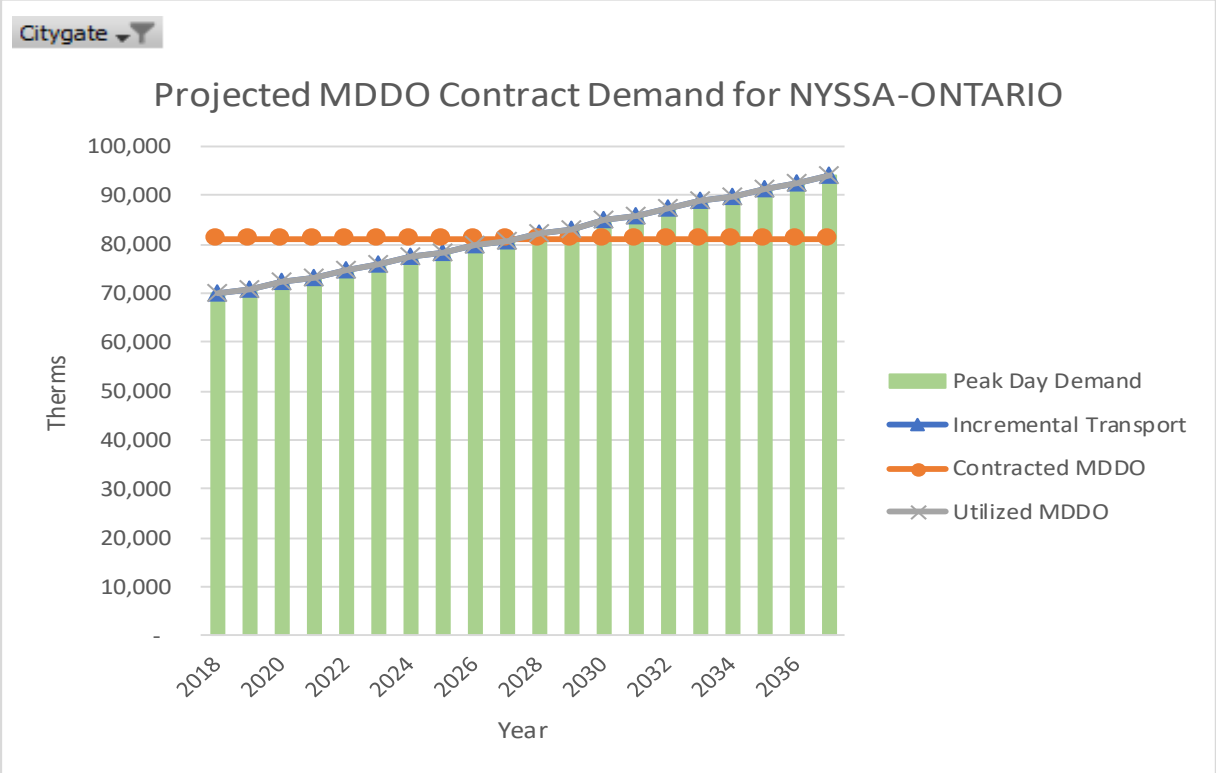

Citygate
Projected MDDO Contract Demand for MILTON-FREEWATER
12,000
10,000
8,000
6,000
4,000
2,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

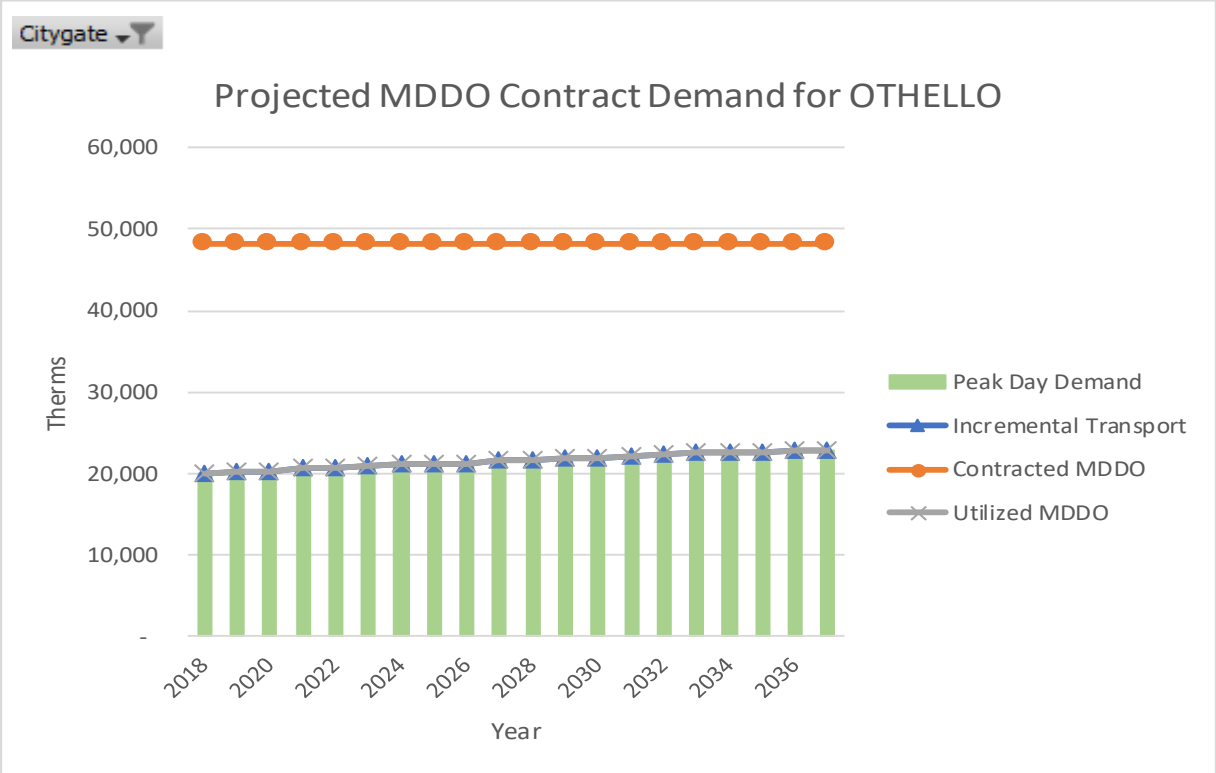

Citygate
Projected MDDO Contract Demand for MISSION TAP
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

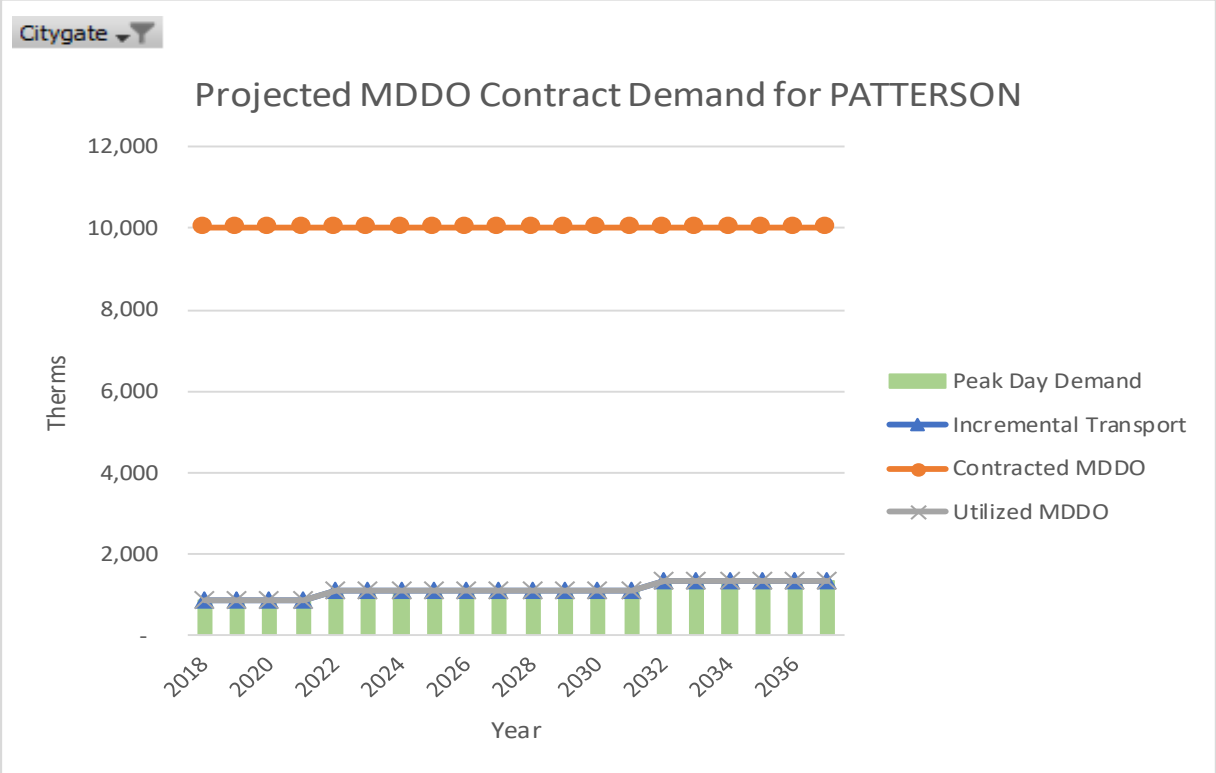

Citygate
Projected MDDO Contract Demand for MOSES LAKE
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

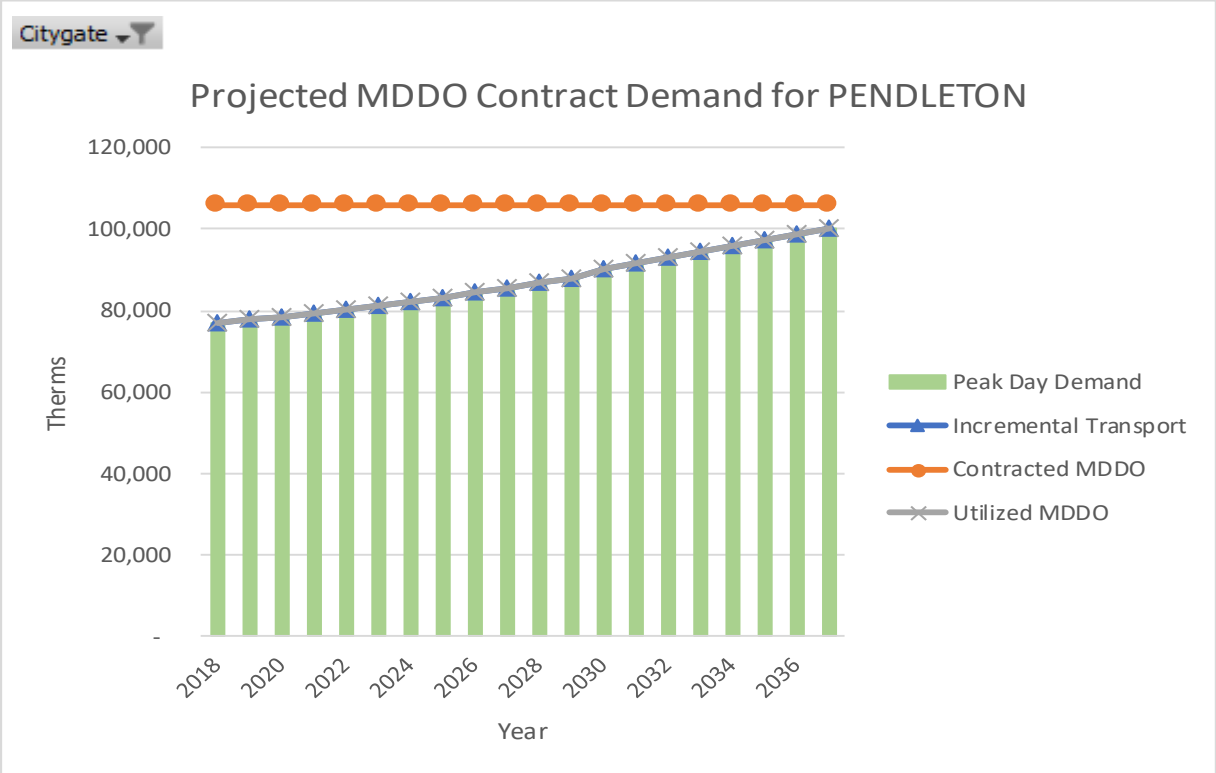

Citygate
Projected MDDO Contract Demand for MOXEE (BEAUCHENE)
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

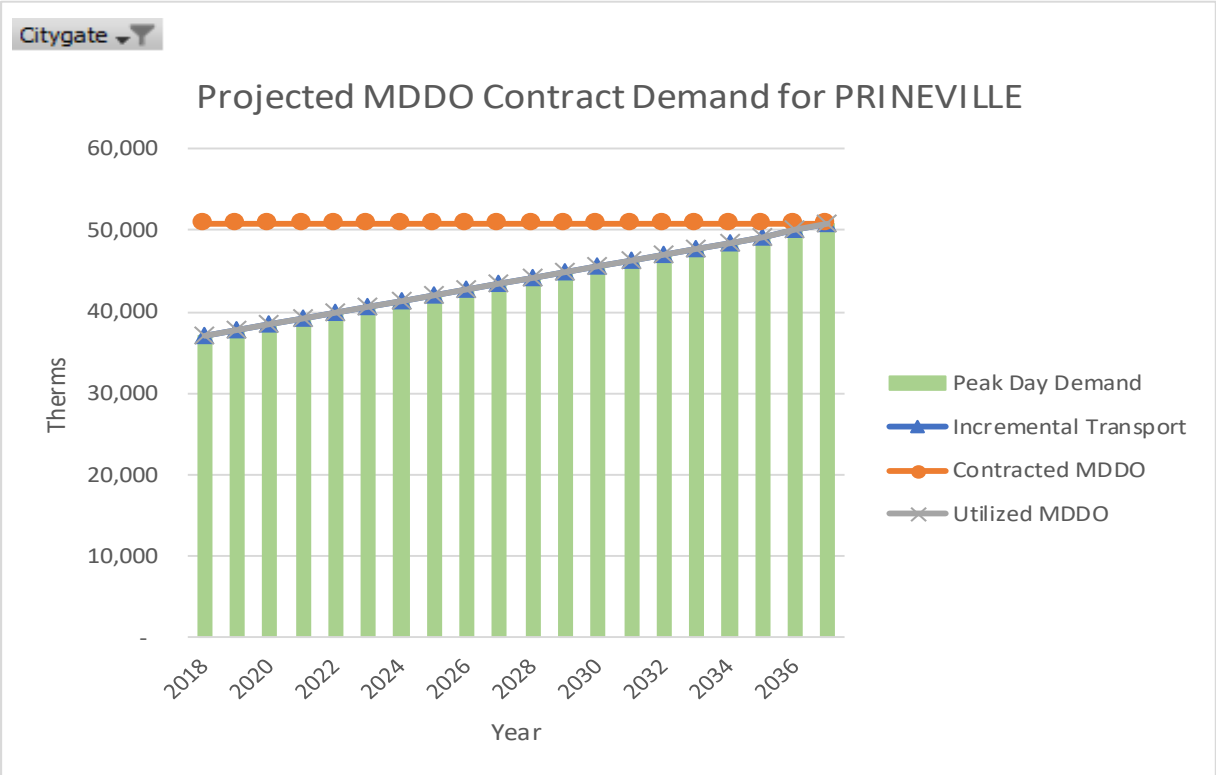

Citygate
Projected MDDO Contract Demand for NORTH PASCO
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for NYSSA-ONTARIO
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for OTHELLO
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for PATTERSON
12,000
10,000
8,000
6,000
4,000
2,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for PENDLETON
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for PRINEVILLE
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
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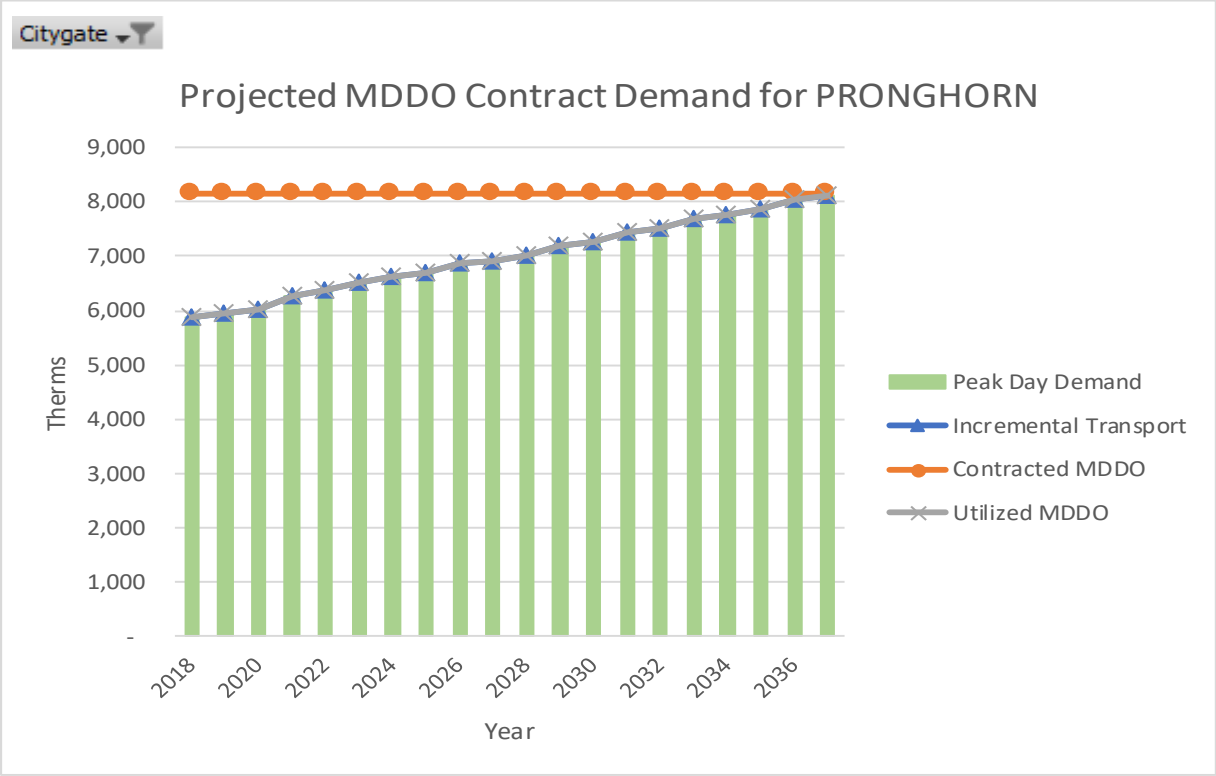
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for PRONGHORN
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
-
Therms
2018
2020
2022
2024
2026
2028
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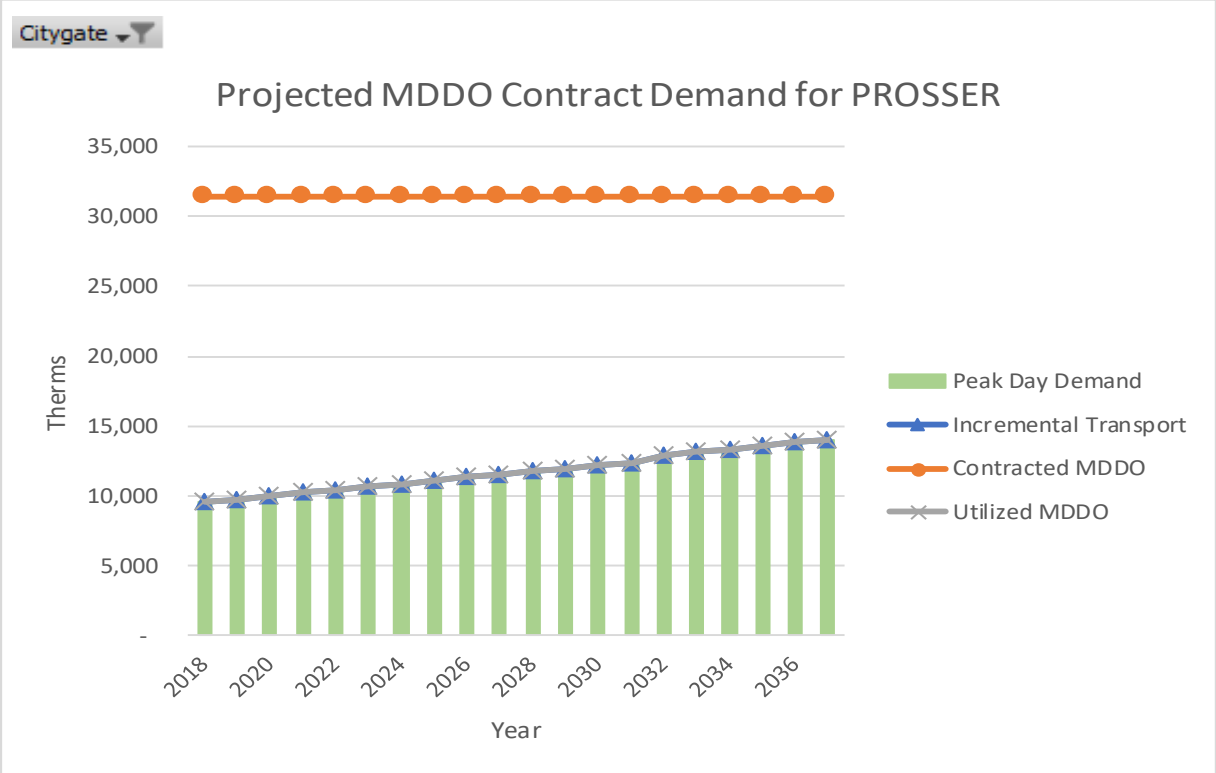
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for PROSSER
35,000
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
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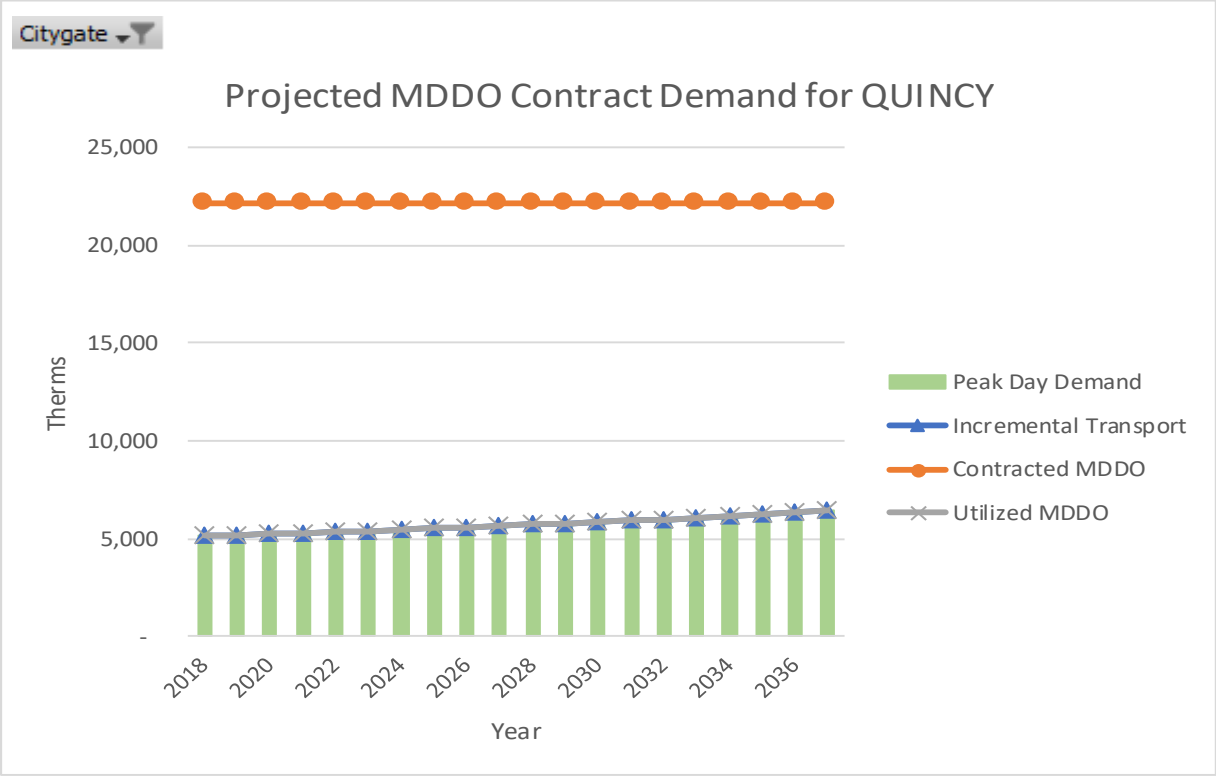
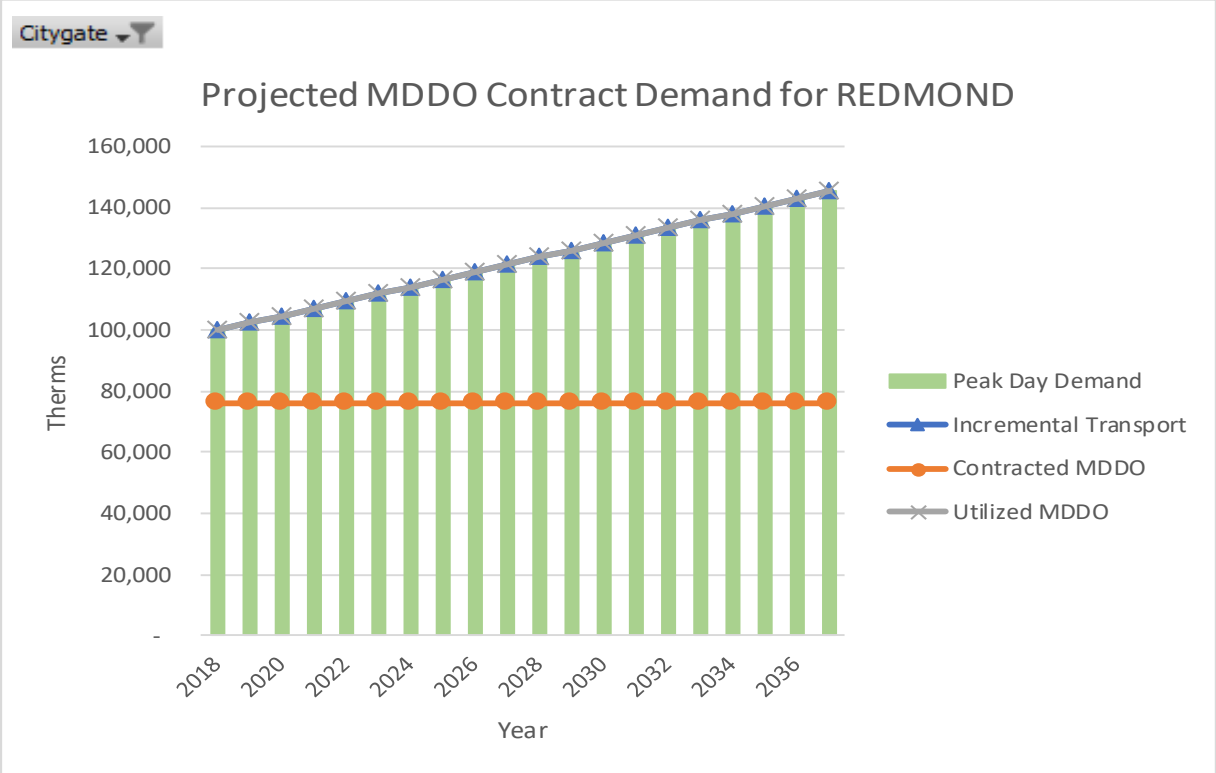
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for QUINCY
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for REDMOND
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
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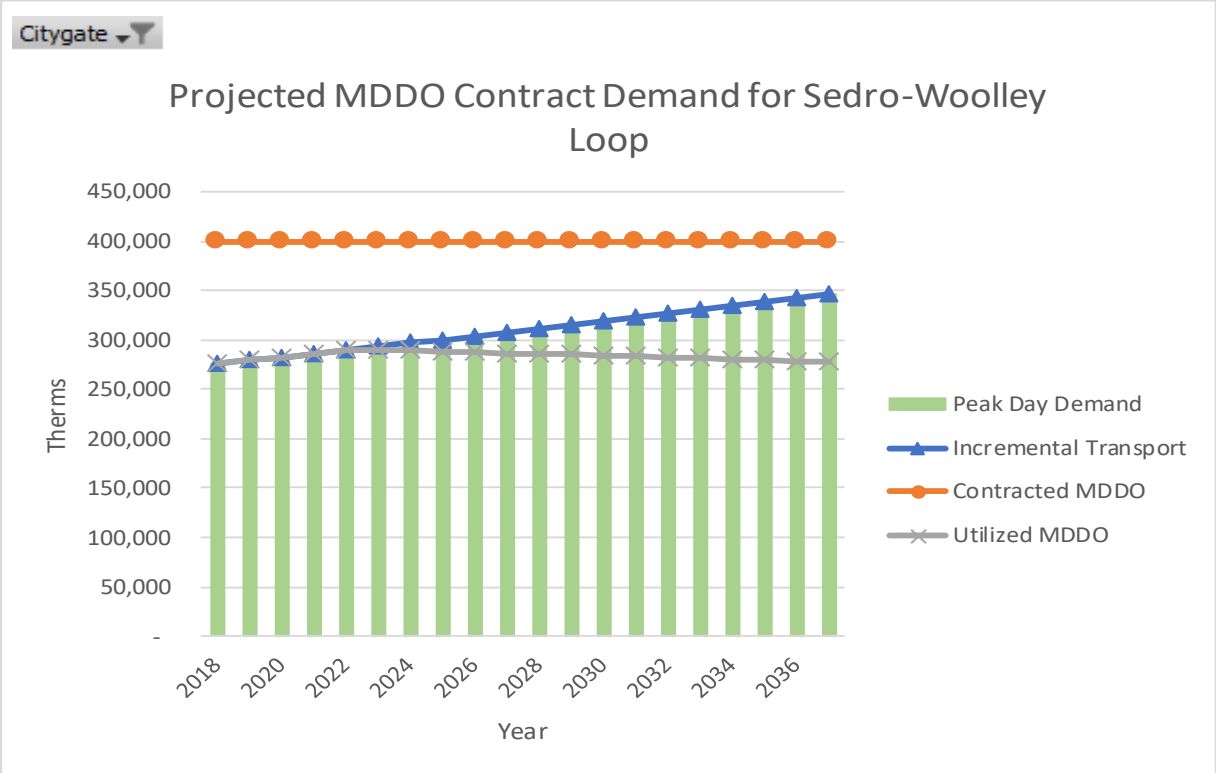
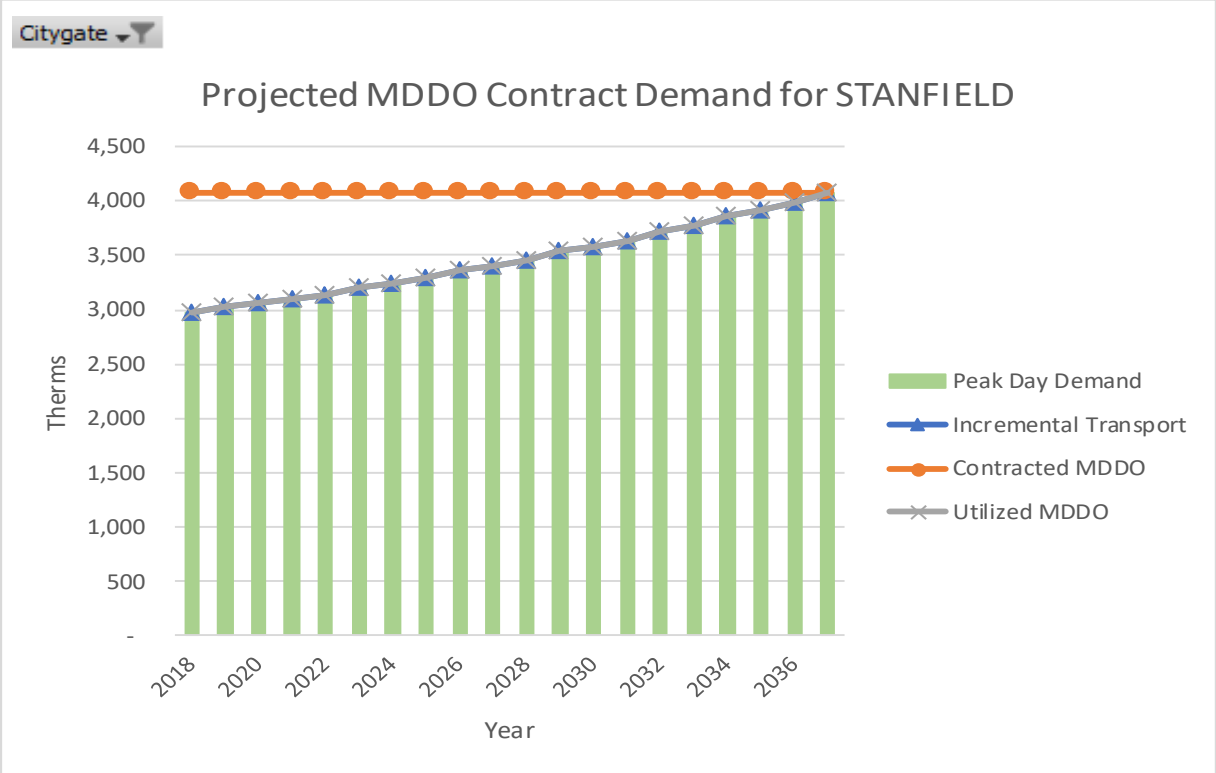
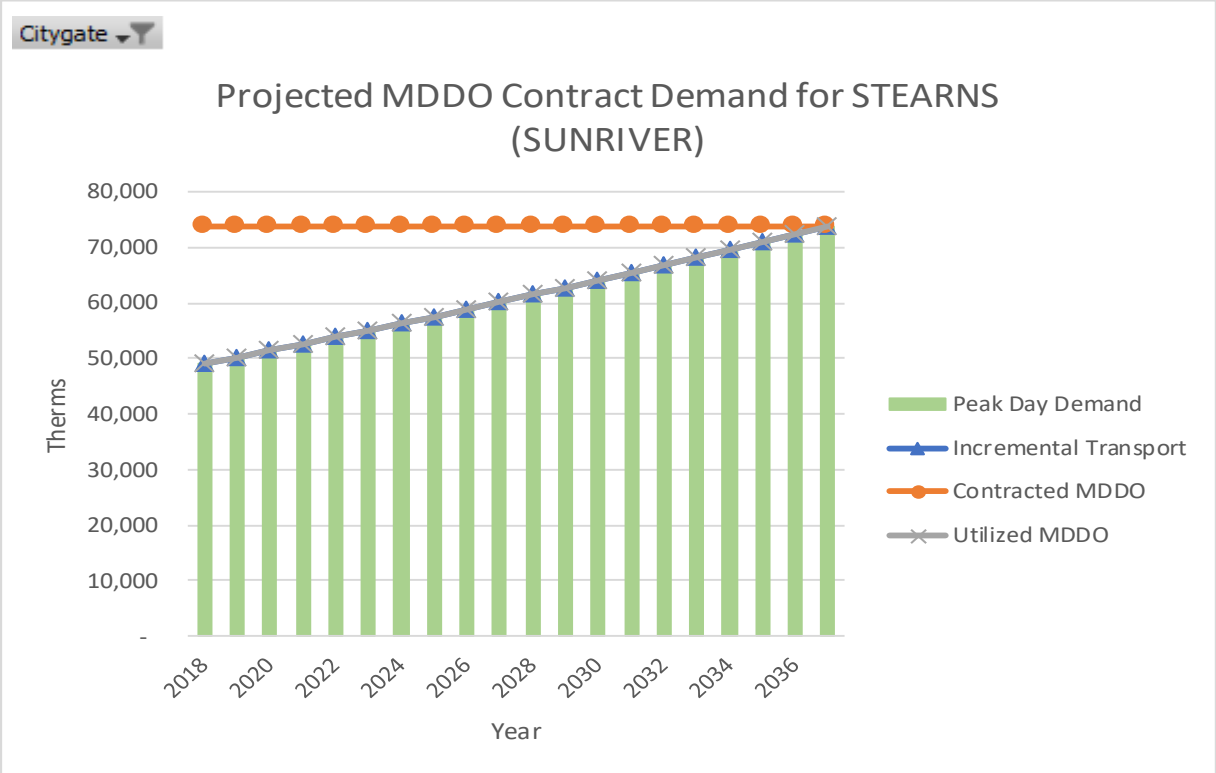
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Sedro-Woolley Loop
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for STANFIELD
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for STEARNS (SUNRIVER)
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
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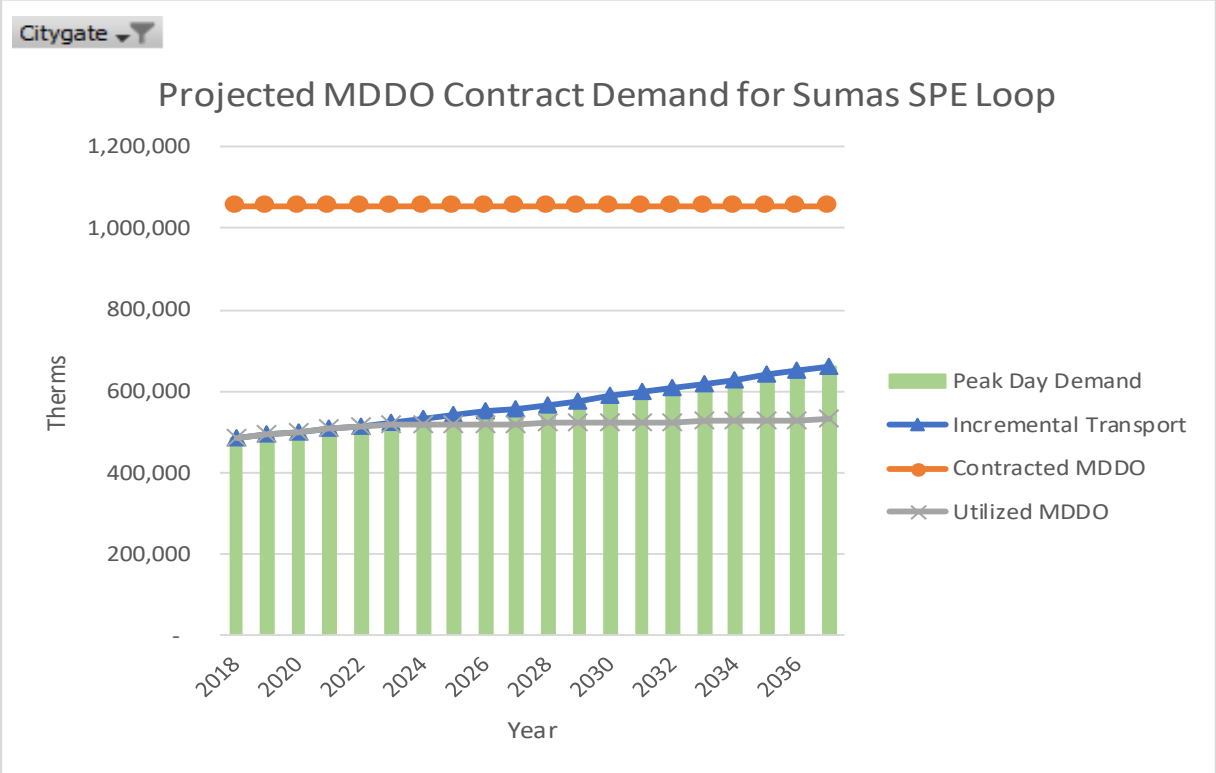
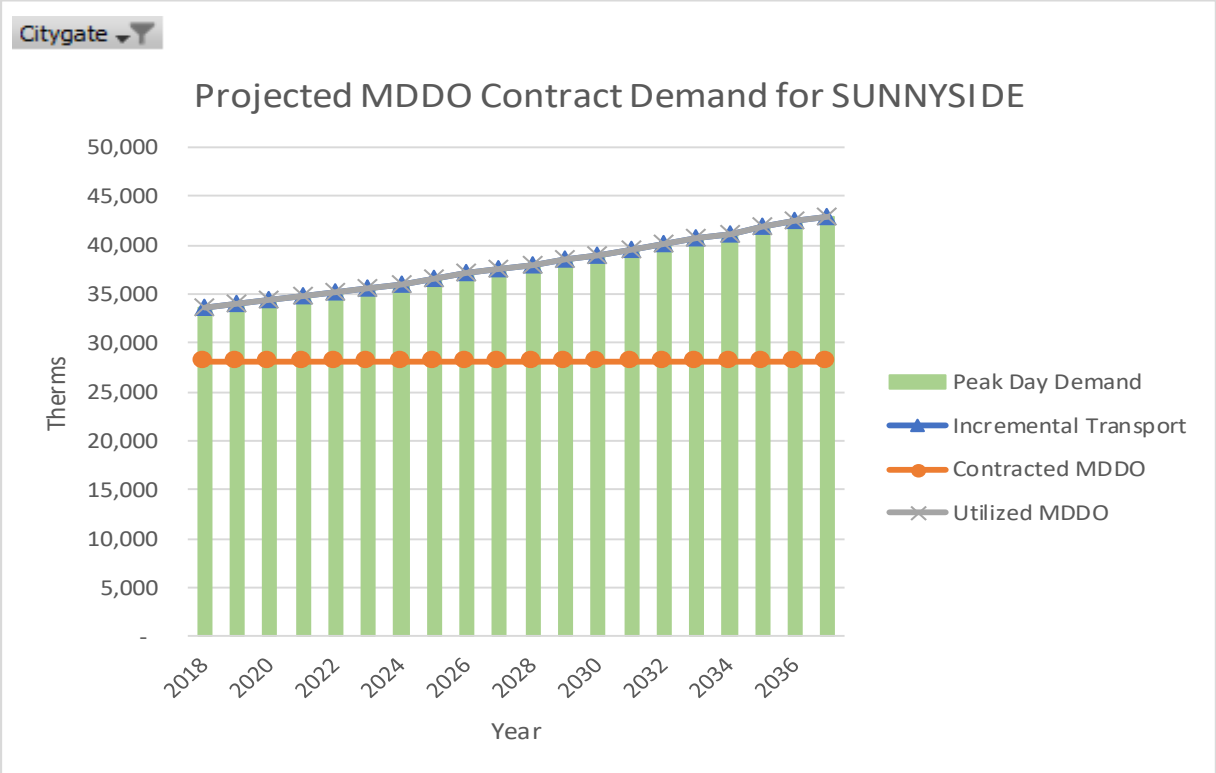
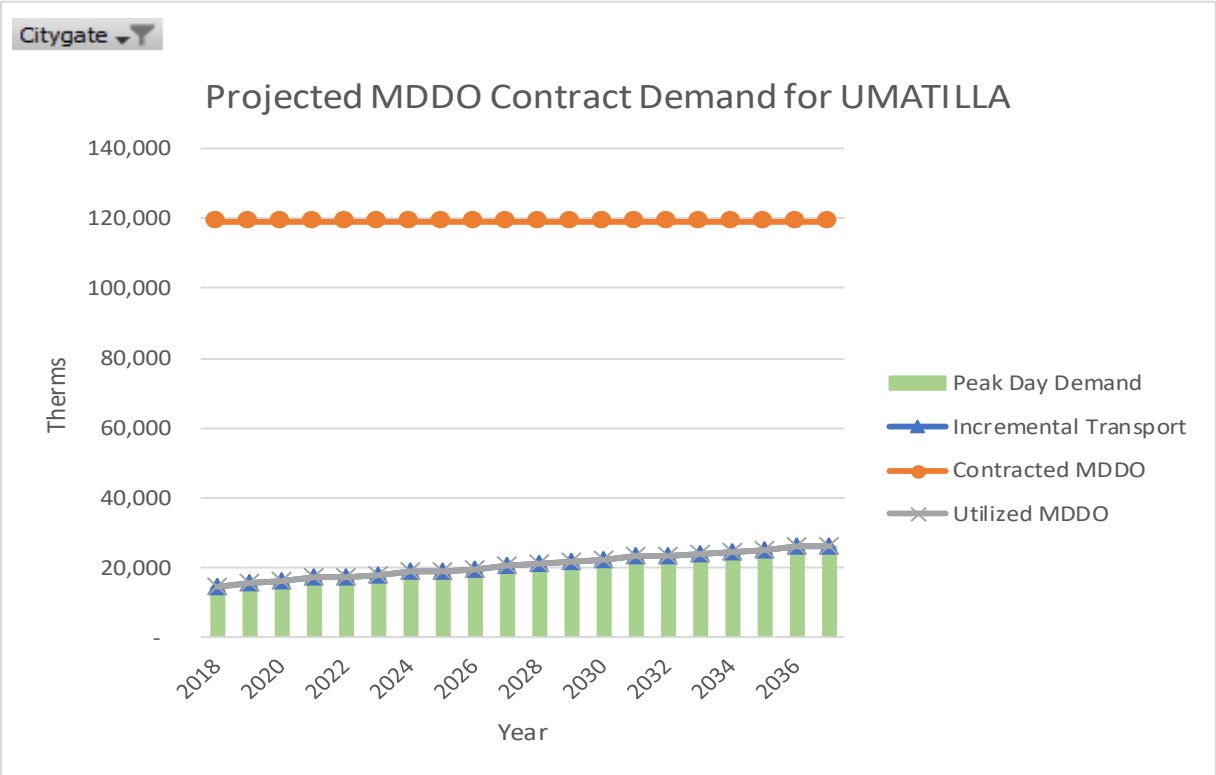
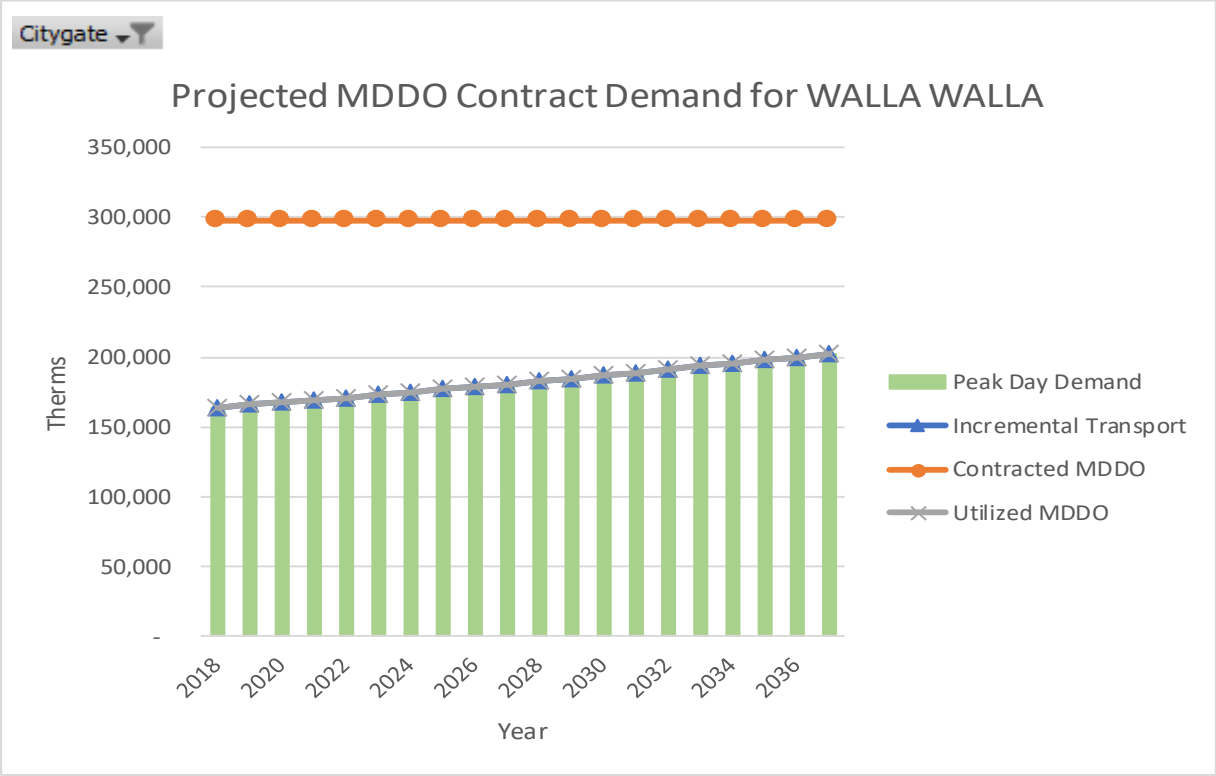
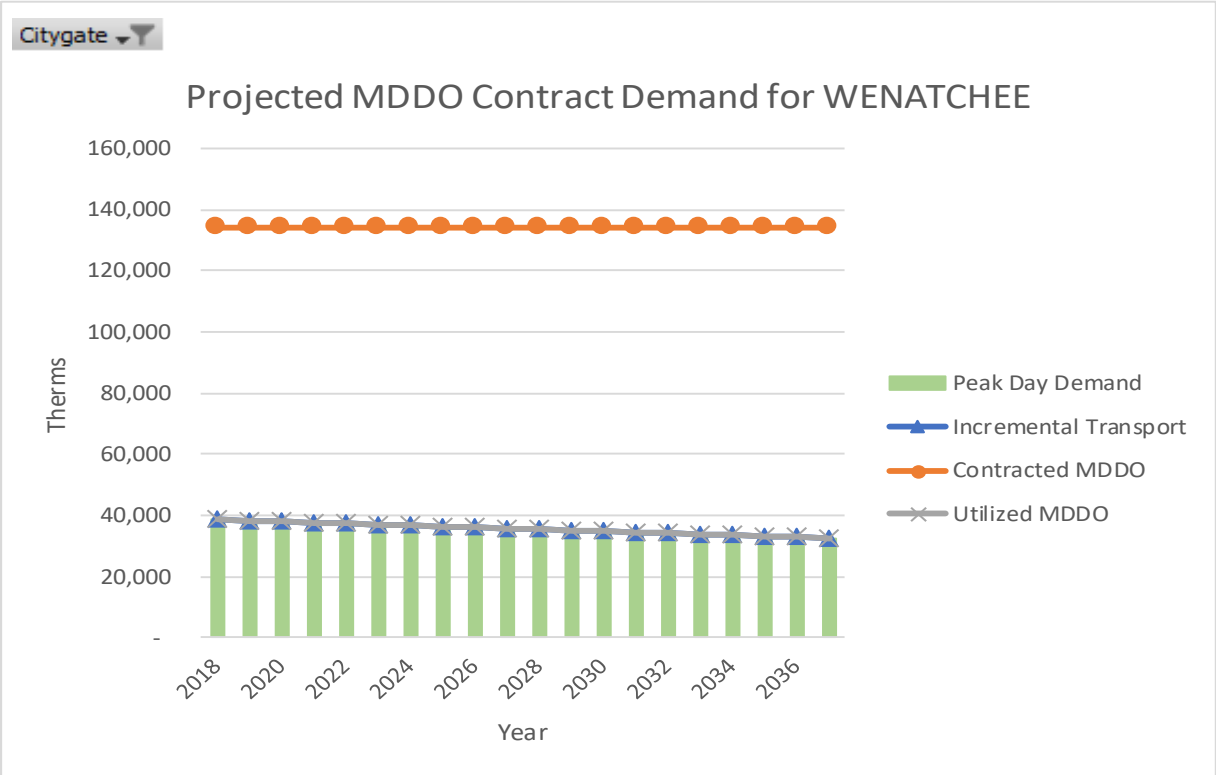
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

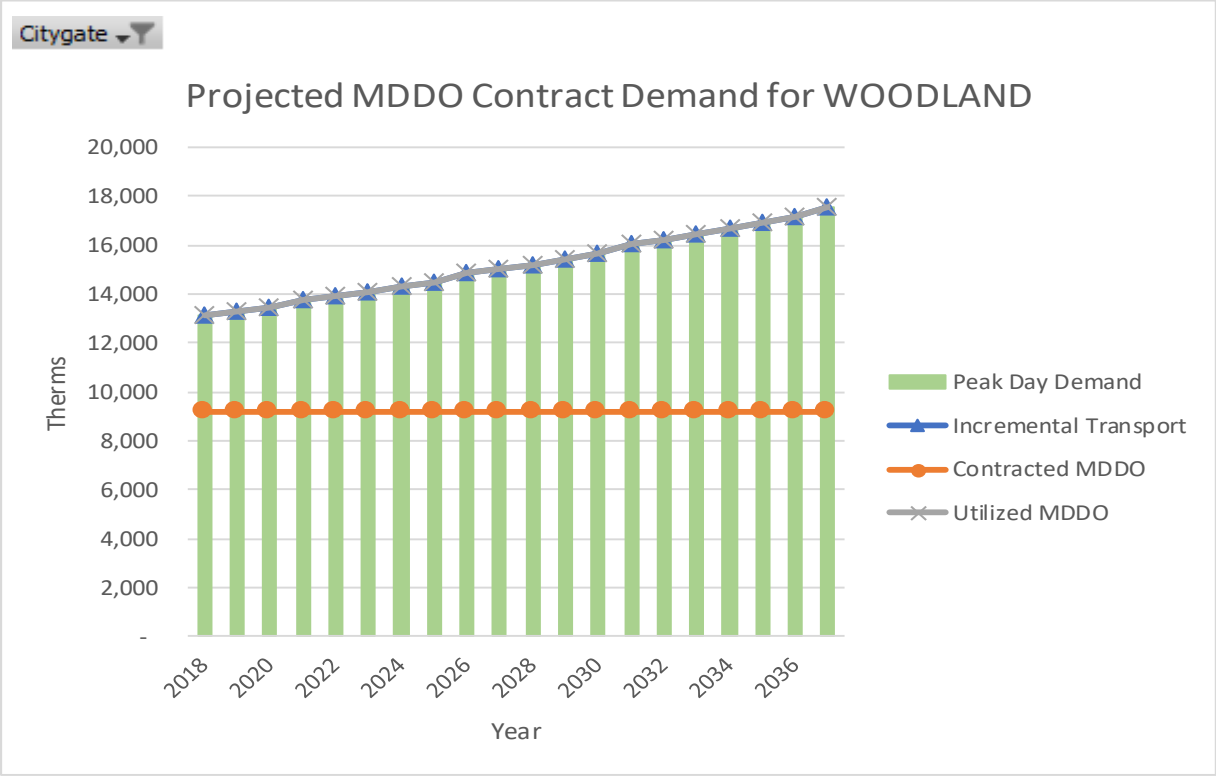

Citygate
Projected MDDO Contract Demand for Sumas SPE Loop
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

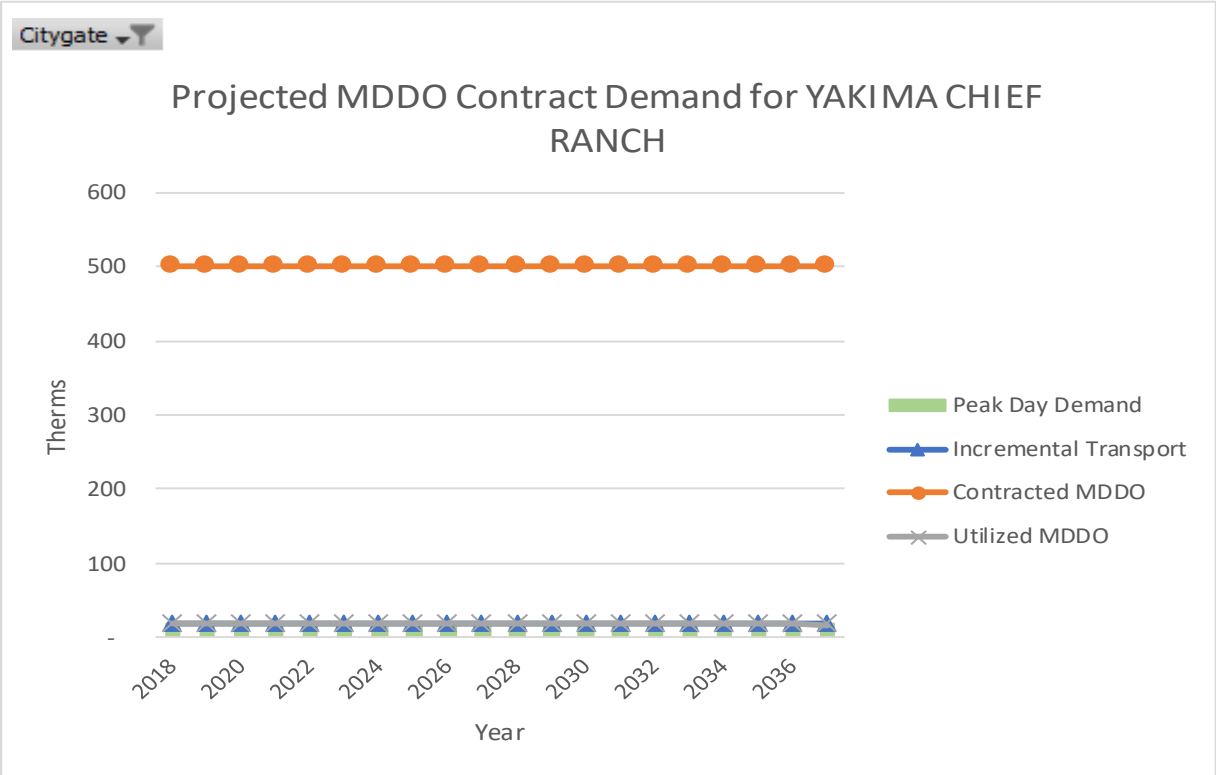

Citygate
Projected MDDO Contract Demand for SUNNYSIDE
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

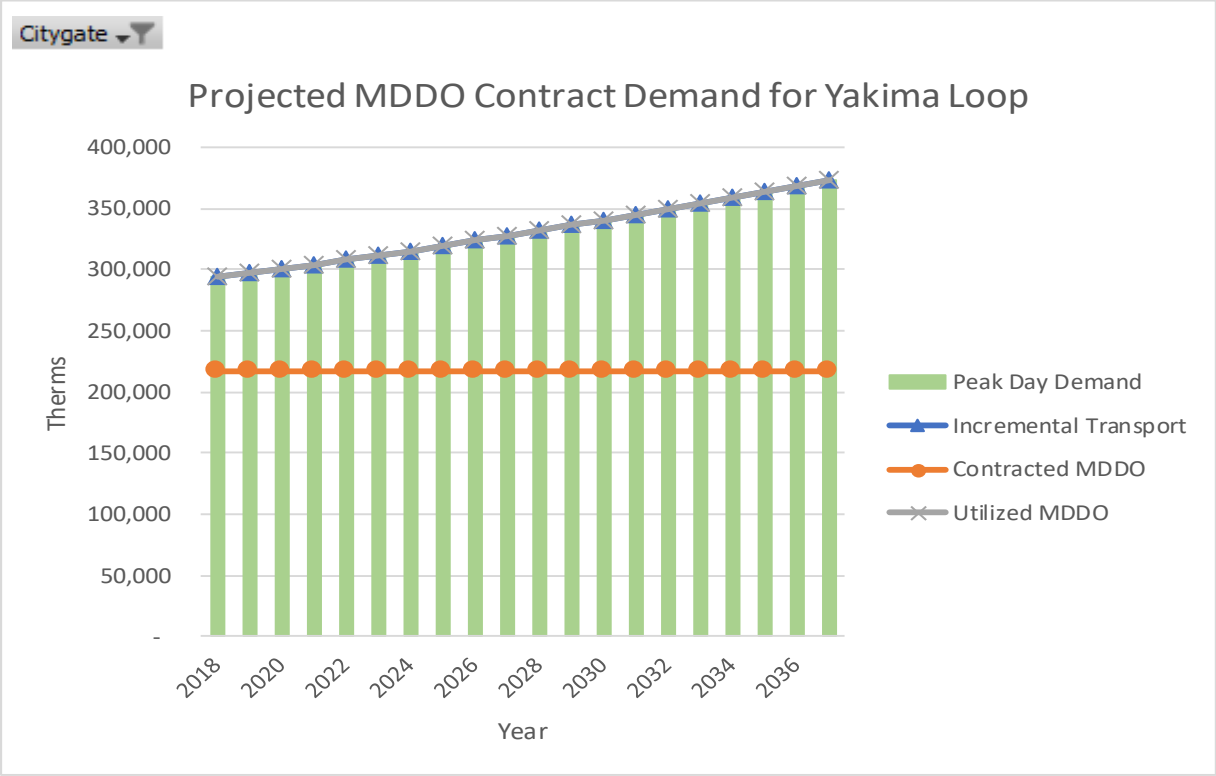

Citygate
Projected MDDO Contract Demand for UMATILLA
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

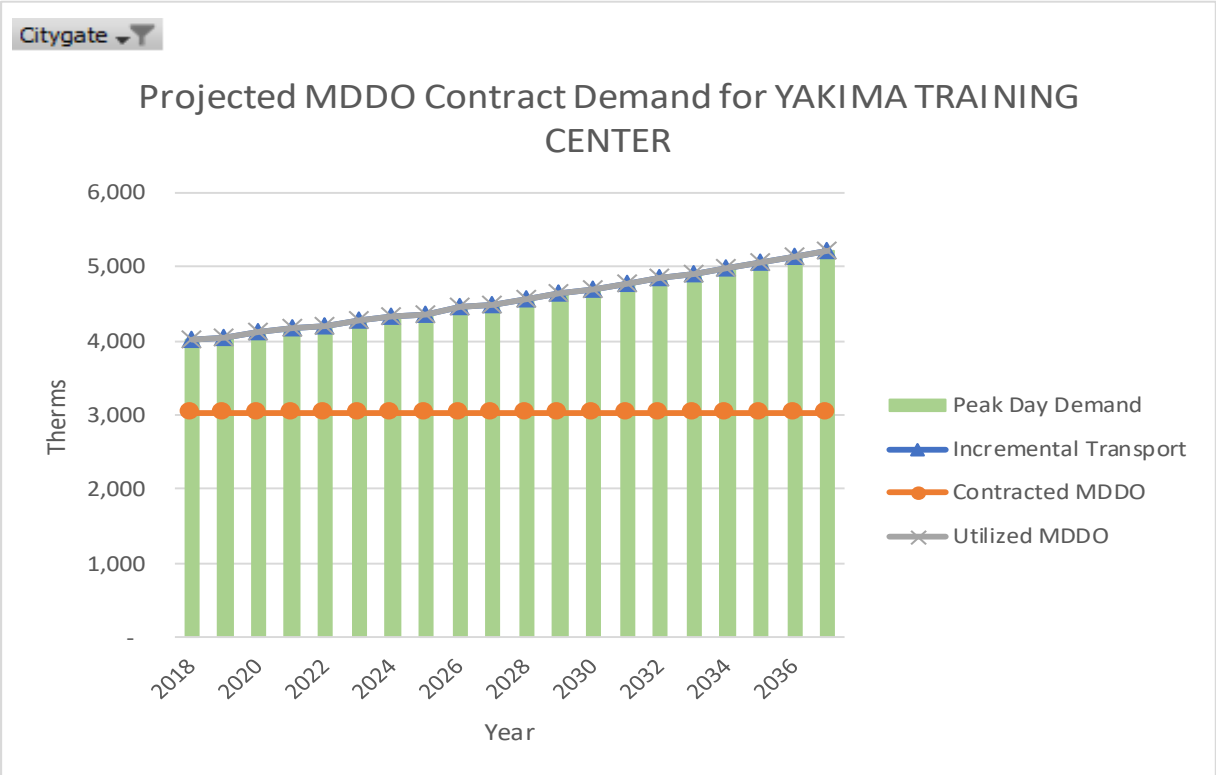

Citygate
Projected MDDO Contract Demand for WALLA WALLA
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

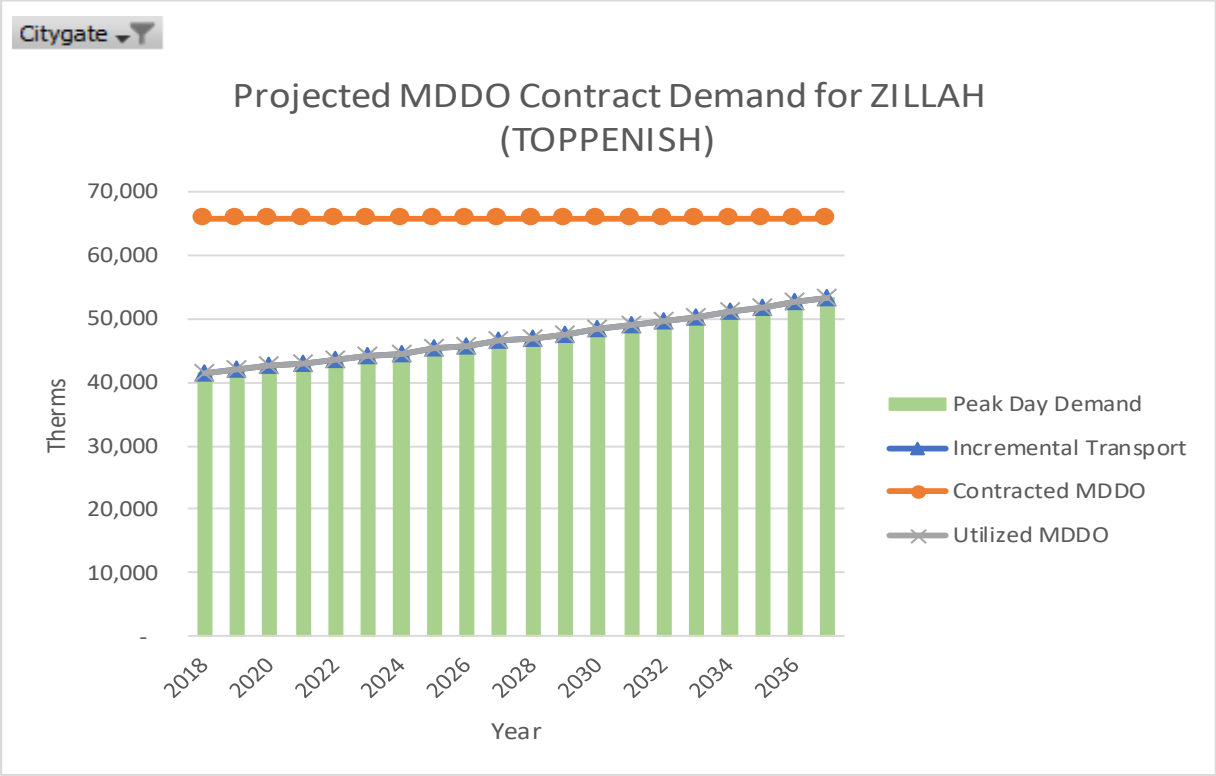

Citygate
Projected MDDO Contract Demand for WENATCHEE
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

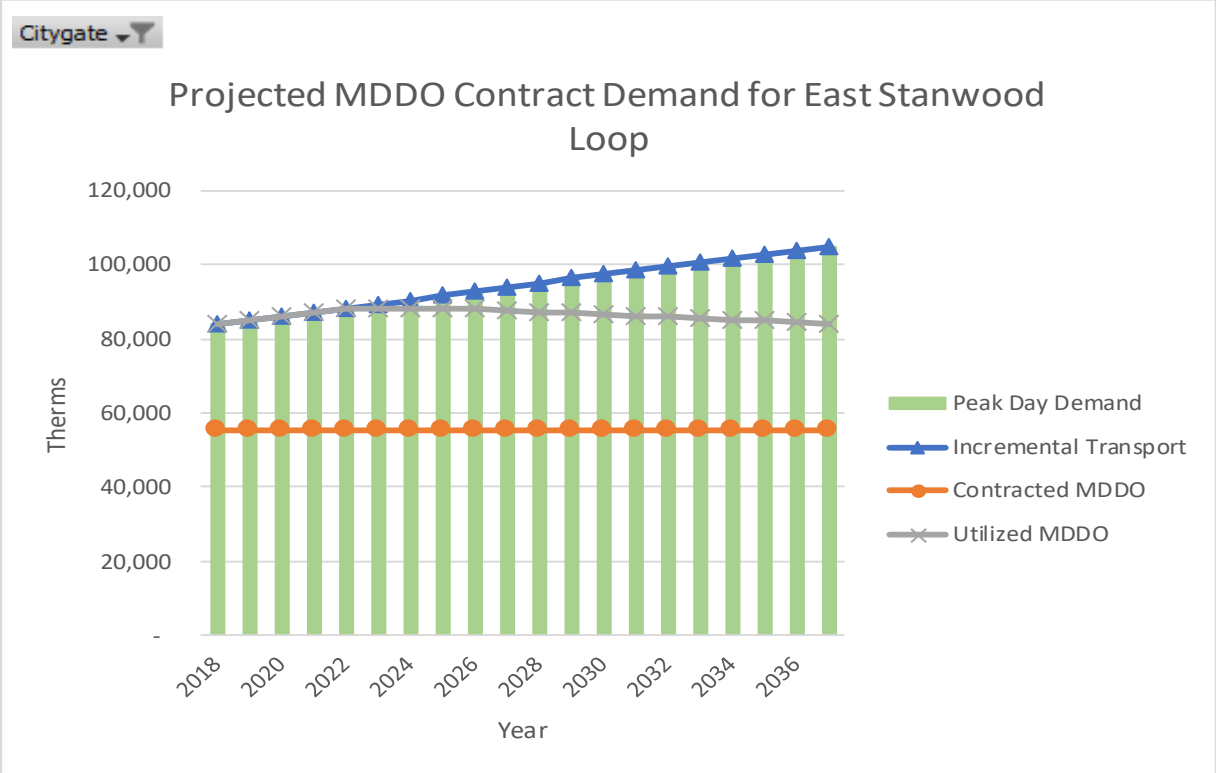

Citygate
Projected MDDO Contract Demand for WOODLAND
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

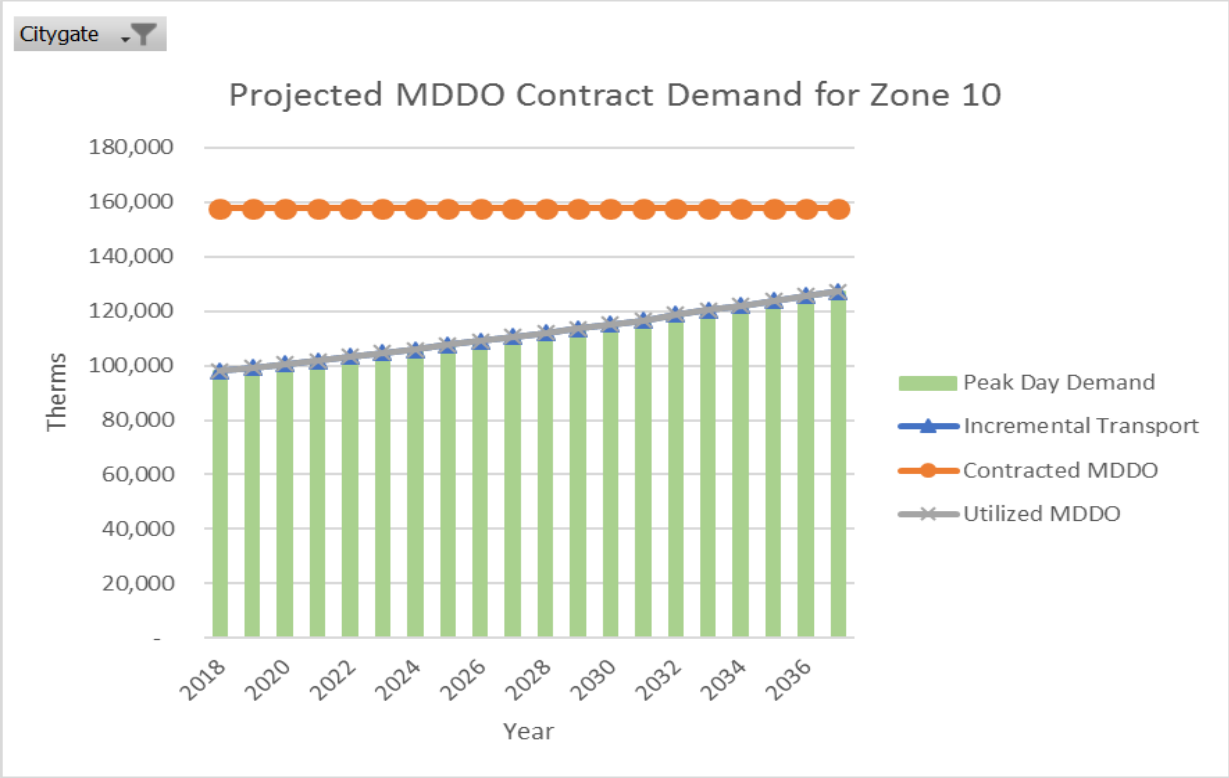

Citygate
Projected MDDO Contract Demand for YAKIMA CHIEF RANCH
600
500
400
300
200
100
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

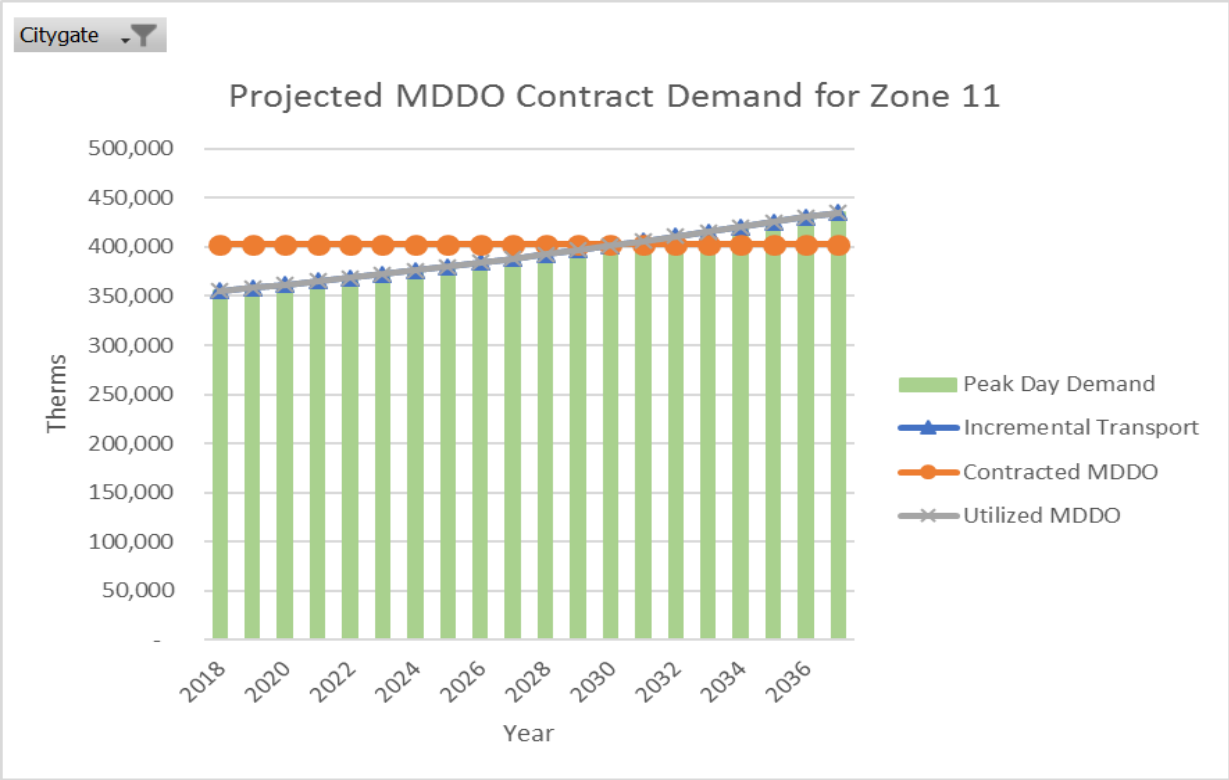

Citygate
Projected MDDO Contract Demand for Yakima Loop
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for YAKIMA TRAINING CENTER
6,000
5,000
4,000
3,000
2,000
1,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for ZILLAH (TOPPENISH)
70,000
60,000
50,000
40,000
30,000
20,000
10,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

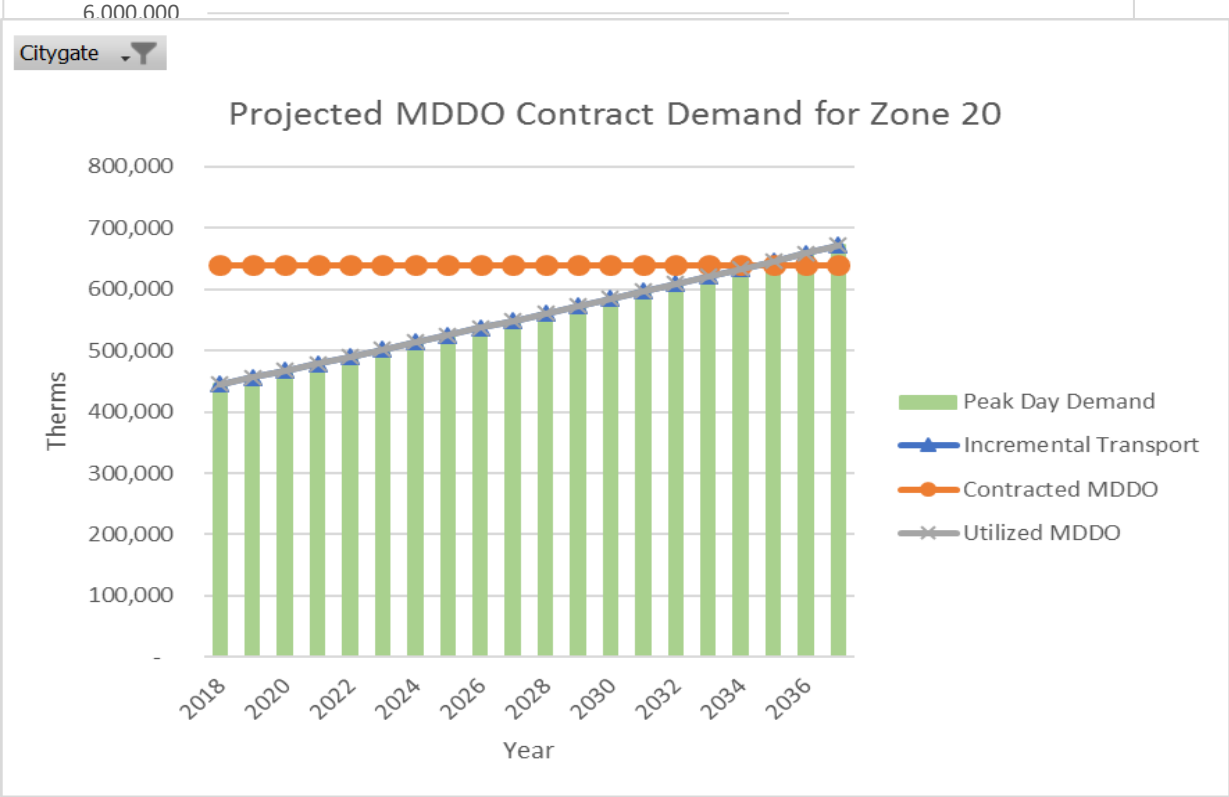

Citygate
Projected MDDO Contract Demand for East Stanwood Loop
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

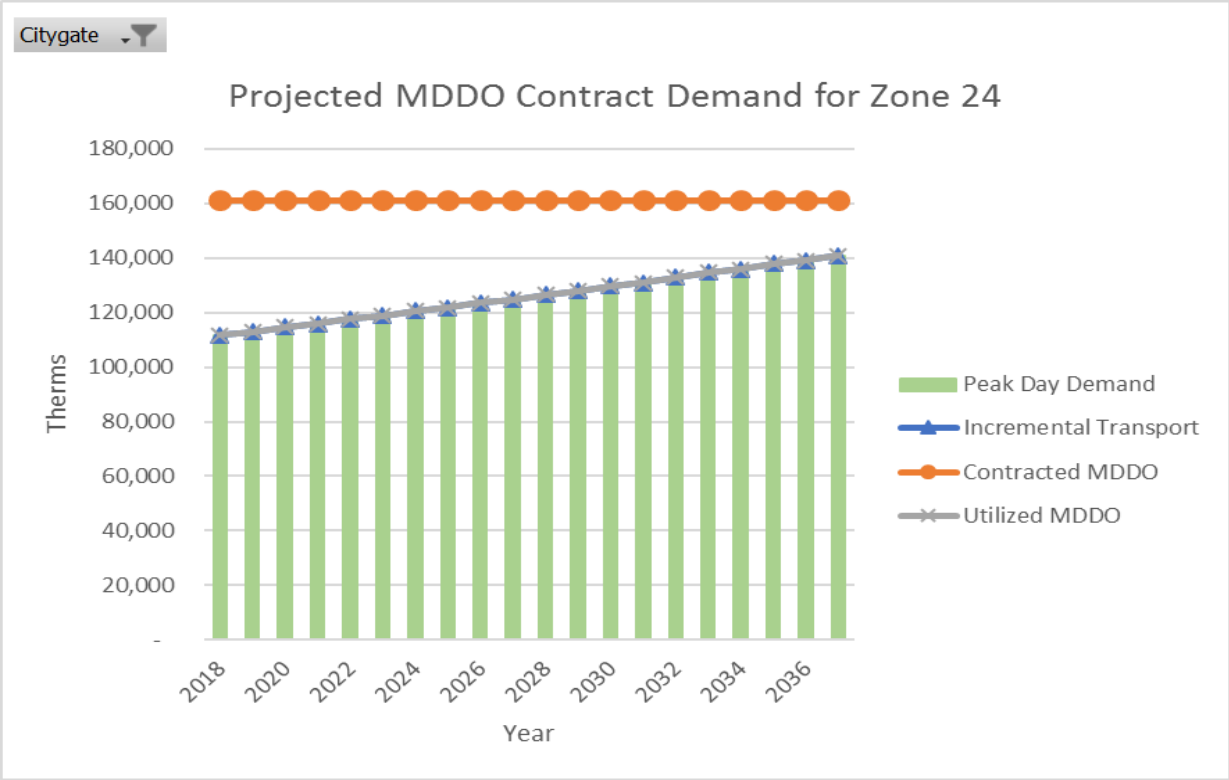

Citygate
Projected MDDO Contract Demand for Zone 10
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

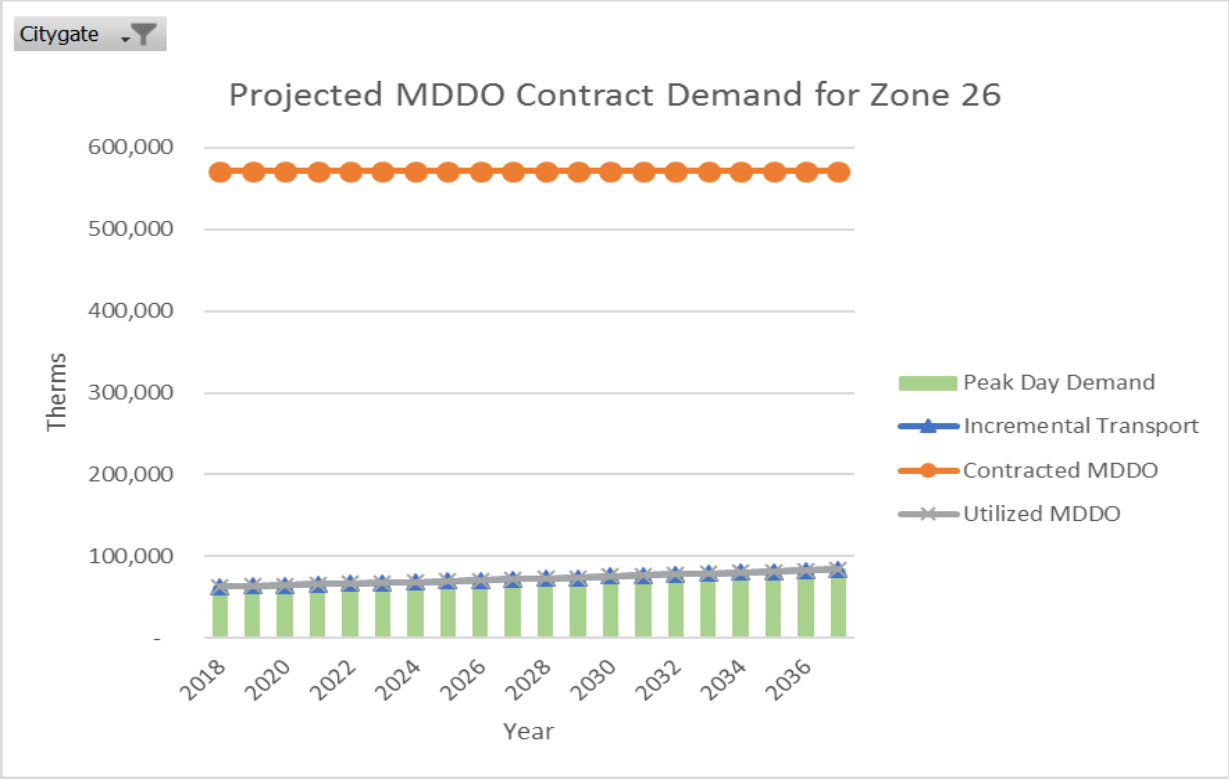


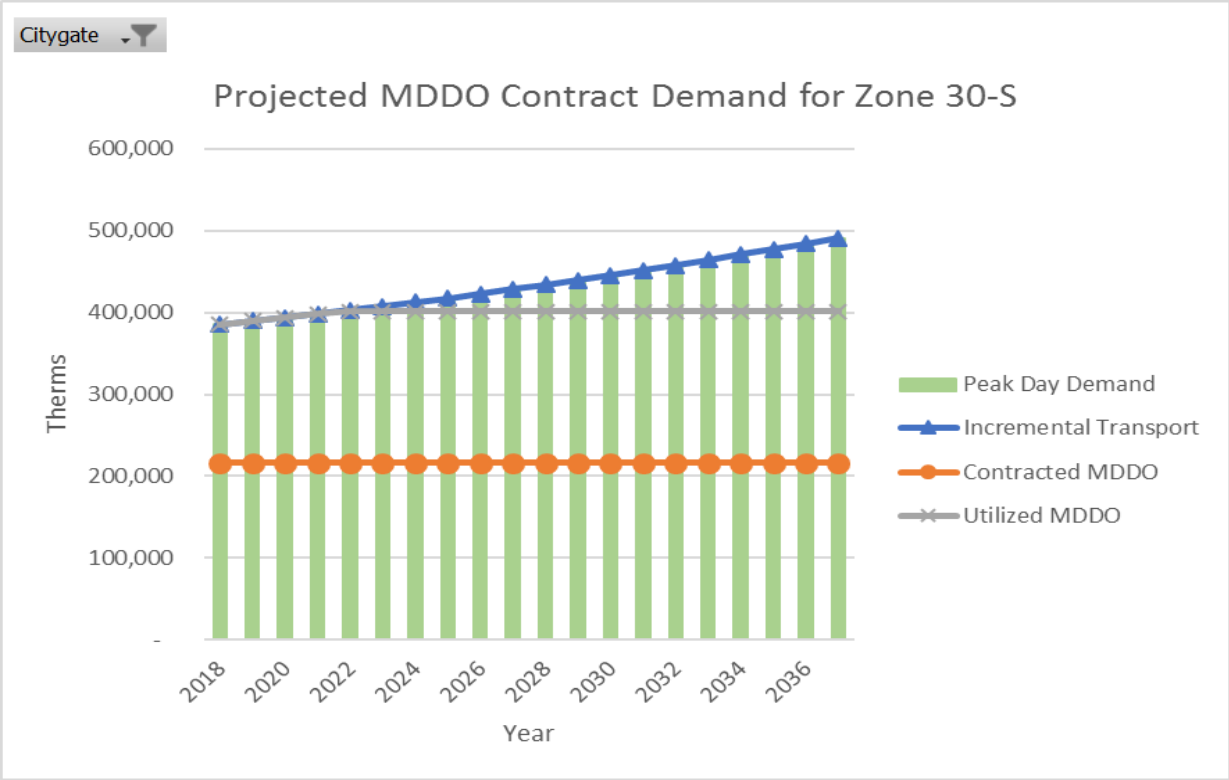

Projected MDDO Contract Demand for Total System

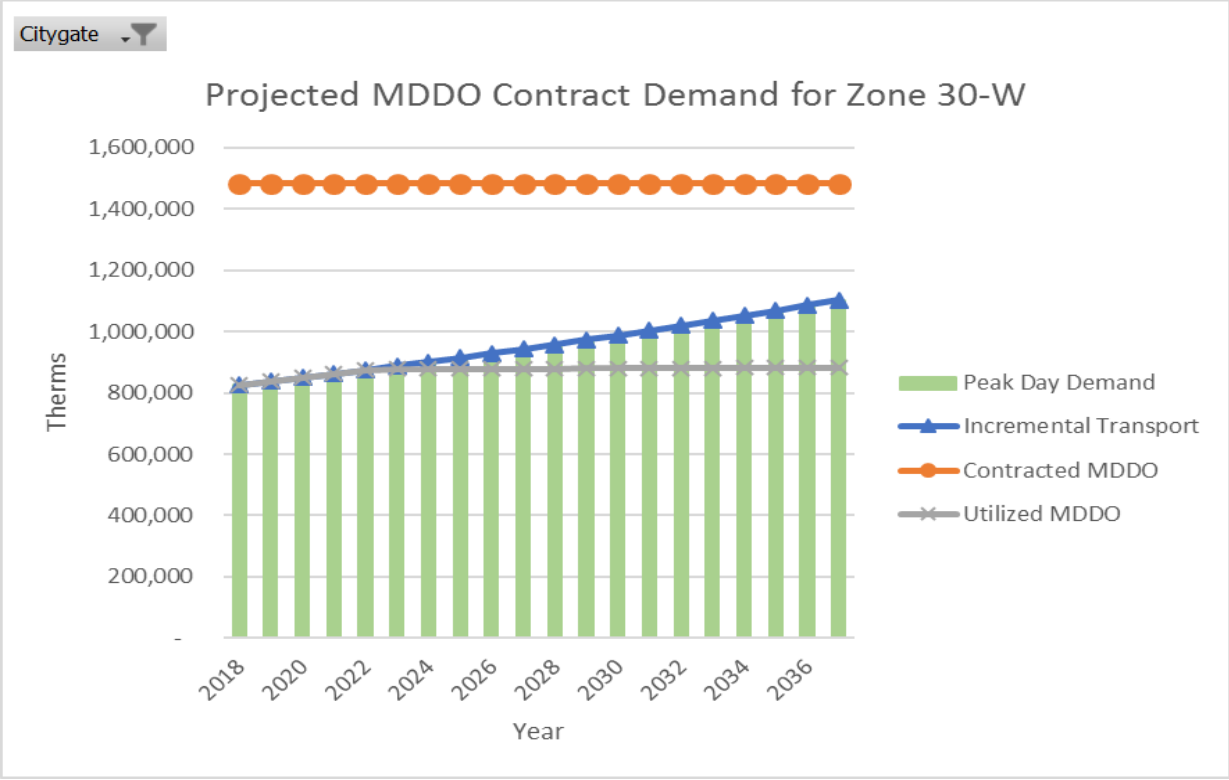
6,000,000

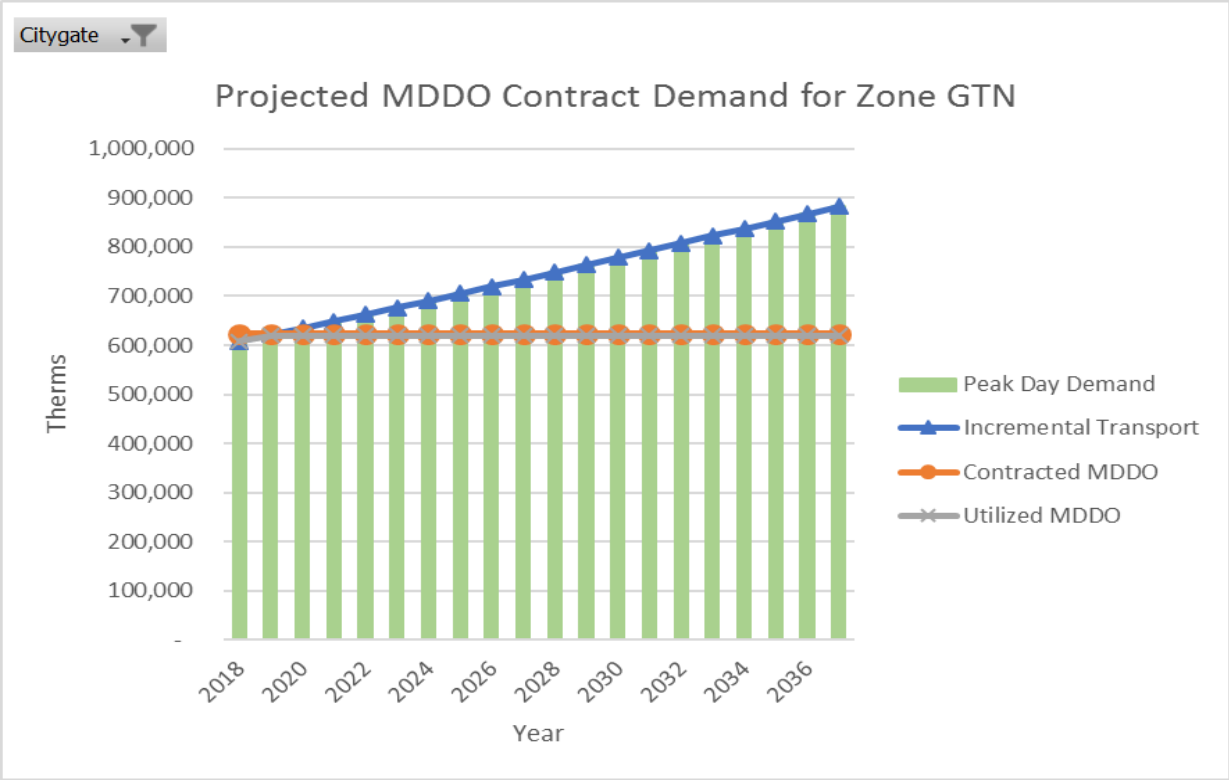


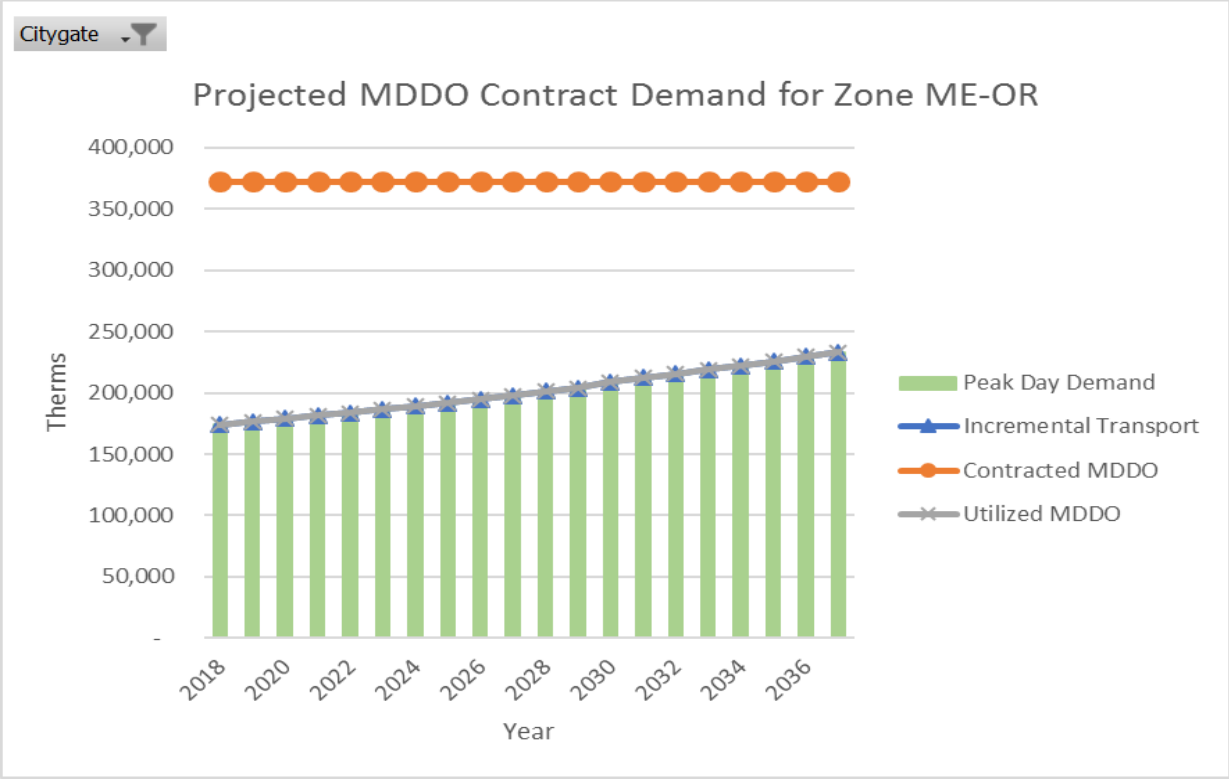

Citygate
Projected MDDO Contract Demand for Zone 24
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

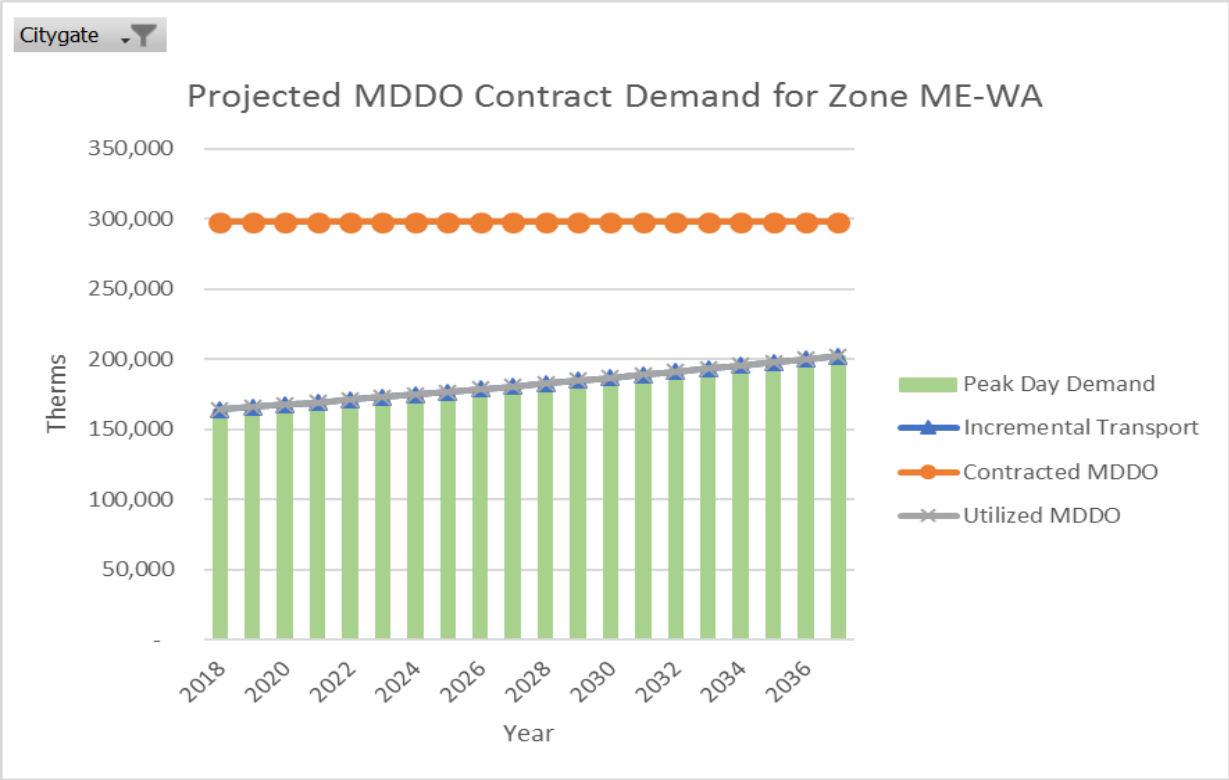

Citygate
Projected MDDO Contract Demand for Zone 26
600,000
500,000
400,000
300,000
200,000
100,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

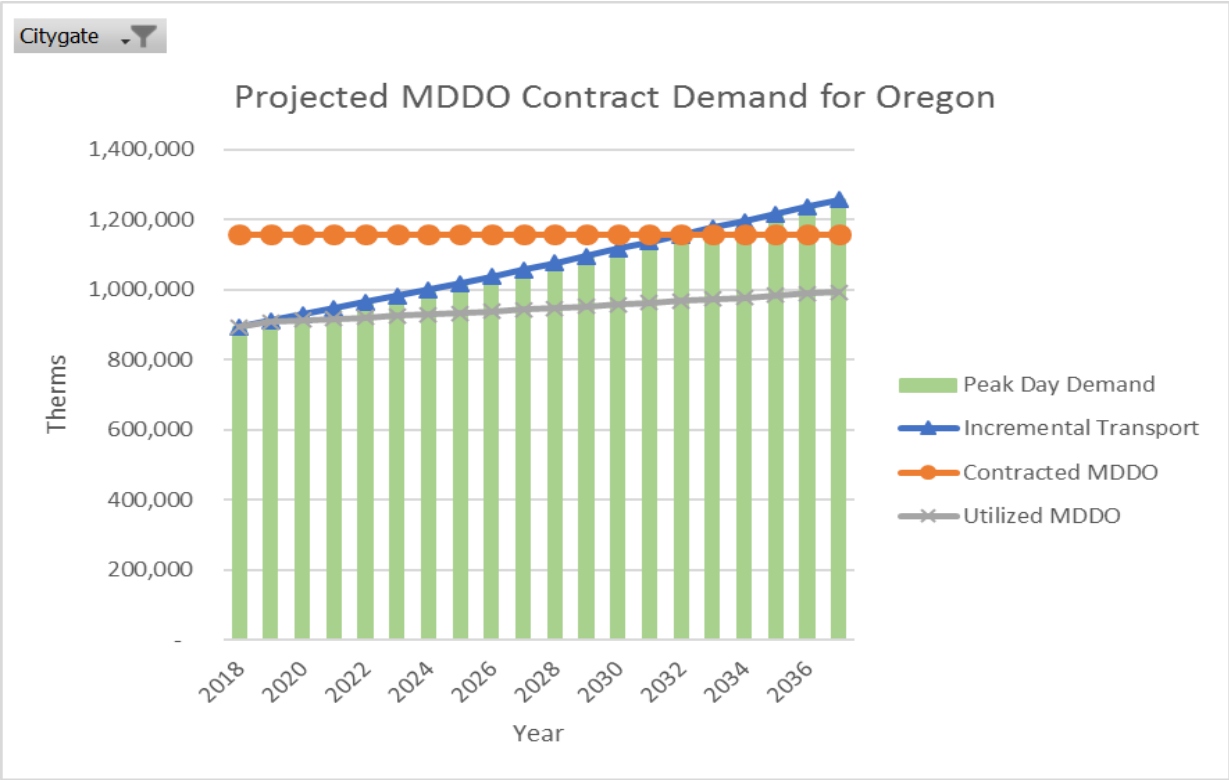

Citygate
Projected MDDO Contract Demand for Zone 30-S
600,000
500,000
400,000
300,000
200,000
100,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

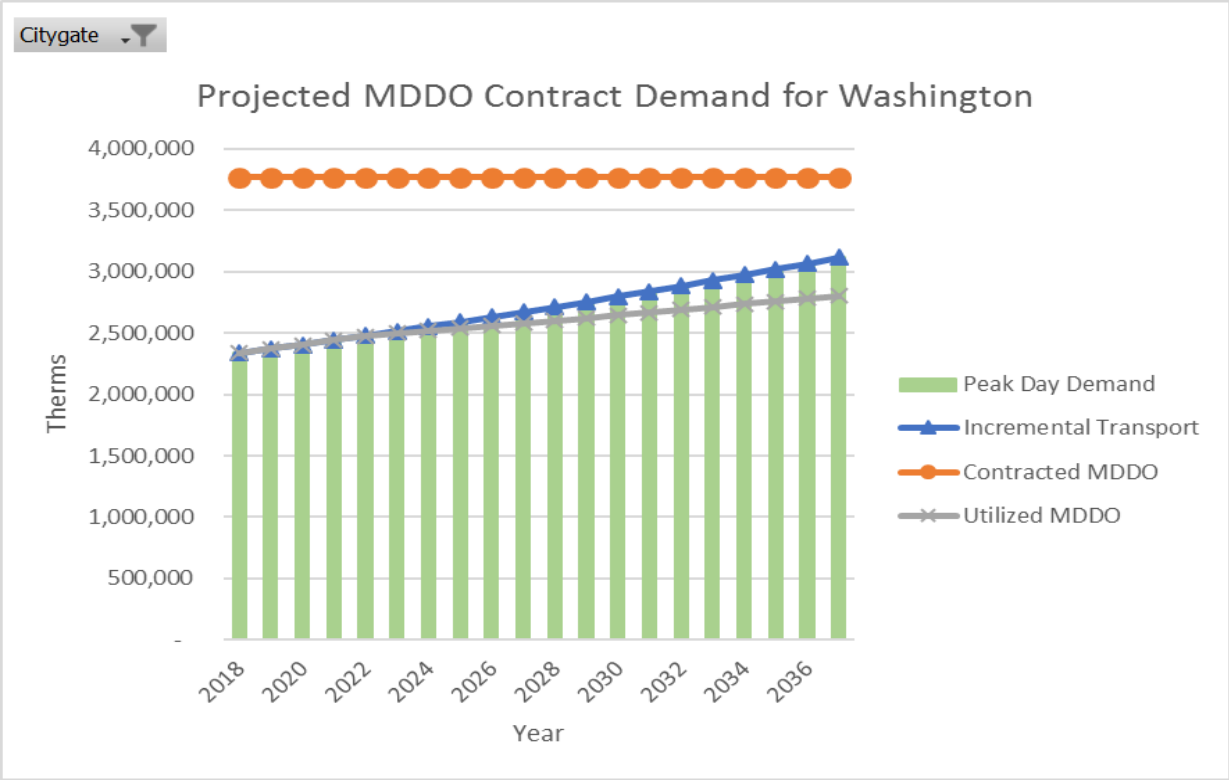

Citygate
Projected MDDO Contract Demand for Zone 30-W
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

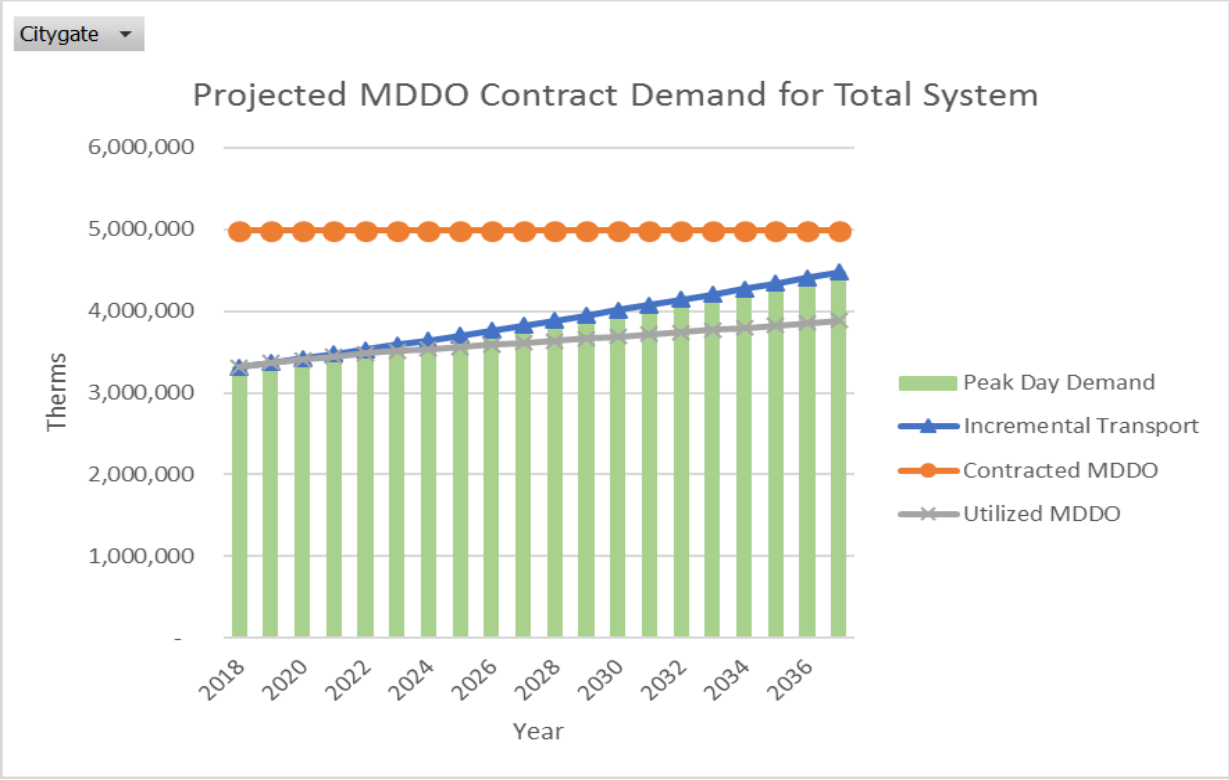

Citygate
Projected MDDO Contract Demand for Zone GTN
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Zone ME-OR
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Zone ME-WA
350,000
300,000
250,000
200,000
150,000
100,000
50,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Oregon
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Washington
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO


Citygate
Projected MDDO Contract Demand for Total System
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
-
Therms
2018
2020
2022
2024
2026
2028
2030
2032
2034
2036
Year
Peak Day Demand
Incremental Transport
Contracted MDDO
Utilized MDDO

# Appendix G

# Weather & Price Uncertainty Analysis

2018 OR IRP Final

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 1 | 309,368,012 | 309,882,268 | 333,512,128 | 319,572,360 | 330,313,513 | 340,940,817 | 345,512,592 |
| 2 | 315,246,801 | 318,437,121 | 321,848,576 | 333,460,293 | 324,966,323 | 330,029,241 | 364,468,972 |
| 3 | 304,613,480 | 307,796,964 | 316,847,206 | 332,279,865 | 329,880,178 | 336,850,891 | 353,937,802 |
| 4 | 315,246,957 | 310,556,549 | 312,144,536 | 316,619,277 | 334,671,462 | 343,920,904 | 335,081,932 |
| 5 | 322,200,651 | 317,012,094 | 317,675,968 | 324,884,257 | 330,298,455 | 341,568,913 | 347,255,084 |
| 6 | 304,827,960 | 324,911,697 | 314,757,024 | 327,044,556 | 334,812,745 | 347,584,343 | 353,110,087 |
| 7 | 312,681,174 | 325,536,380 | 312,727,766 | 336,025,720 | 329,544,016 | 354,829,194 | 347,053,347 |
| 8 | 312,914,073 | 318,813,963 | 320,242,935 | 317,950,897 | 330,034,711 | 344,551,801 | 342,382,666 |
| 9 | 313,079,163 | 308,332,302 | 310,061,674 | 321,575,444 | 317,635,743 | 346,863,961 | 337,718,950 |
| 10 | 306,209,814 | 317,633,237 | 330,509,589 | 325,252,506 | 336,813,862 | 334,931,328 | 344,565,054 |
| 11 | 312,986,147 | 314,607,734 | 316,247,952 | 327,439,811 | 331,753,274 | 328,207,378 | 342,166,740 |
| 12 | 300,753,566 | 321,365,403 | 328,059,593 | 321,594,880 | 328,602,320 | 330,936,416 | 335,384,028 |
| 13 | 317,119,191 | 309,063,239 | 332,357,339 | 317,294,691 | 330,938,699 | 329,802,208 | 348,831,290 |
| 14 | 304,474,647 | 307,505,684 | 309,174,316 | 330,575,367 | 330,768,414 | 336,928,989 | 346,470,451 |
| 15 | 327,104,936 | 310,750,366 | 334,317,020 | 321,348,280 | 330,529,903 | 349,647,041 | 347,751,597 |
| 16 | 296,803,841 | 308,143,087 | 317,628,453 | 316,156,312 | 321,325,267 | 330,829,735 | 334,169,339 |
| 17 | 317,339,121 | 322,796,782 | 332,264,191 | 325,036,879 | 335,524,115 | 334,614,450 | 340,407,630 |
| 18 | 323,764,971 | 304,431,848 | 322,128,241 | 333,981,318 | 330,249,618 | 334,185,414 | 351,461,483 |
| 19 | 314,553,704 | 310,076,871 | 310,262,661 | 331,750,281 | 325,489,510 | 338,275,001 | 346,428,516 |
| 20 | 307,446,189 | 318,357,090 | 310,362,372 | 329,057,827 | 336,788,291 | 355,177,142 | 347,083,944 |
| 21 | 314,506,659 | 317,840,761 | 323,497,081 | 318,619,226 | 332,777,703 | 328,477,495 | 350,161,904 |
| 22 | 306,141,985 | 310,919,925 | 325,893,728 | 324,127,380 | 322,140,900 | 330,075,737 | 351,371,057 |
| 23 | 322,945,398 | 327,238,980 | 331,487,304 | 325,126,348 | 350,519,150 | 334,119,947 | 351,481,783 |
| 24 | 319,286,909 | 311,618,747 | 336,371,281 | 333,923,862 | 344,163,422 | 329,212,601 | 345,968,629 |
| 25 | 303,788,632 | 329,456,799 | 333,726,965 | 332,221,412 | 338,890,904 | 349,813,298 | 342,961,688 |
| 26 | 321,743,204 | 317,159,754 | 330,587,114 | 334,012,378 | 333,186,834 | 354,000,347 | 343,556,476 |
| 27 | 307,056,805 | 317,024,968 | 324,113,422 | 325,020,614 | 322,480,093 | 345,795,617 | 334,608,447 |
| 28 | 315,122,319 | 305,574,562 | 332,557,008 | 320,985,403 | 334,918,589 | 333,788,767 | 336,915,634 |
| 29 | 316,767,081 | 318,654,269 | 307,744,057 | 315,130,921 | 333,229,764 | 343,380,055 | 343,776,215 |
| 30 | 313,506,629 | 311,359,528 | 327,274,795 | 313,084,357 | 339,377,939 | 338,991,607 | 340,731,339 |
| 31 | 308,586,136 | 315,311,911 | 324,558,886 | 335,196,379 | 334,288,664 | 348,514,643 | 352,562,280 |
| 32 | 311,467,520 | 316,099,201 | 316,167,383 | 323,292,452 | 333,650,565 | 342,819,417 | 337,456,372 |
| 33 | 315,231,641 | 315,526,723 | 336,685,213 | 320,394,159 | 324,492,735 | 338,005,824 | 335,274,494 |
| 34 | 325,375,999 | 311,244,249 | 320,631,753 | 317,213,491 | 336,475,468 | 341,208,118 | 338,370,490 |
| 35 | 307,058,119 | 309,905,297 | 326,034,304 | 336,315,059 | 336,219,154 | 326,650,354 | 350,852,765 |
| 36 | 318,953,943 | 317,997,457 | 315,725,478 | 326,582,496 | 338,603,032 | 328,588,689 | 354,985,085 |
| 37 | 307,737,130 | 308,420,051 | 323,112,175 | 322,168,963 | 339,959,326 | 342,350,909 | 328,563,208 |
| 38 | 316,678,955 | 324,823,731 | 312,219,182 | 323,140,236 | 322,228,071 | 333,351,075 | 339,053,199 |
| 39 | 310,618,182 | 311,532,335 | 314,703,855 | 333,111,037 | 328,816,213 | 325,624,964 | 350,388,268 |
| 40 | 315,485,898 | 306,254,131 | 327,585,567 | 324,285,034 | 315,109,359 | 326,625,386 | 337,498,064 |
| 41 | 313,230,855 | 313,276,626 | 319,734,179 | 325,693,464 | 335,742,271 | 326,410,622 | 334,830,894 |
| 42 | 306,436,885 | 304,761,069 | 315,972,647 | 324,065,172 | 335,384,910 | 342,659,286 | 341,800,140 |
| 43 | 317,503,705 | 335,078,142 | 314,904,091 | 332,571,112 | 332,518,481 | 335,253,017 | 345,447,360 |
| 44 | 318,342,083 | 315,403,064 | 318,293,199 | 321,016,100 | 337,346,904 | 336,754,816 | 343,132,961 |
| 45 | 306,518,573 | 319,699,969 | 316,848,383 | 329,603,540 | 332,152,697 | 339,829,691 | 331,953,185 |
| 46 | 316,965,065 | 323,776,151 | 335,431,297 | 328,054,332 | 345,471,061 | 344,897,266 | 343,072,155 |
| 47 | 300,601,651 | 321,956,903 | 318,688,632 | 339,895,580 | 317,815,537 | 328,311,181 | 332,398,511 |
| 48 | 309,906,970 | 323,615,215 | 332,682,329 | 334,247,816 | 319,739,661 | 358,961,209 | 353,983,948 |
| 49 | 308,764,671 | 308,501,098 | 314,566,549 | 321,024,370 | 333,021,725 | 345,789,691 | 347,127,612 |
| 50 | 321,942,387 | 314,365,475 | 323,322,020 | 318,635,812 | 345,612,297 | 344,769,117 | 344,110,687 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 51 | 322,262,266 | 324,945,937 | 306,351,322 | 340,539,163 | 329,565,789 | 351,439,268 | 337,068,038 |
| 52 | 315,216,926 | 318,753,690 | 326,296,393 | 325,973,318 | 345,568,661 | 339,785,040 | 341,568,441 |
| 53 | 301,407,440 | 319,264,176 | 331,886,912 | 318,101,860 | 321,650,826 | 326,063,512 | 337,278,988 |
| 54 | 325,016,129 | 318,379,895 | 317,126,581 | 314,778,698 | 336,274,143 | 345,423,637 | 338,295,337 |
| 55 | 307,585,630 | 325,354,436 | 326,267,157 | 319,113,387 | 318,967,846 | 346,929,157 | 342,288,506 |
| 56 | 308,697,916 | 319,871,456 | 318,975,853 | 332,340,582 | 318,747,227 | 346,959,837 | 345,705,344 |
| 57 | 299,022,502 | 313,323,052 | 321,462,504 | 328,216,944 | 342,850,642 | 332,651,911 | 341,085,079 |
| 58 | 312,001,720 | 321,164,158 | 315,763,893 | 339,191,823 | 327,411,775 | 326,609,136 | 360,961,542 |
| 59 | 313,012,526 | 310,348,774 | 329,956,174 | 321,542,597 | 326,845,390 | 337,231,249 | 333,591,754 |
| 60 | 312,503,468 | 310,985,872 | 329,297,311 | 330,678,617 | 334,915,223 | 332,269,557 | 332,986,622 |
| 61 | 308,081,669 | 318,912,485 | 329,722,364 | 322,152,799 | 334,425,703 | 352,158,634 | 345,139,554 |
| 62 | 319,179,433 | 313,895,885 | 325,748,787 | 317,475,211 | 325,469,886 | 334,305,031 | 343,208,764 |
| 63 | 315,225,239 | 325,886,634 | 321,210,310 | 330,264,501 | 323,857,127 | 338,988,491 | 340,652,675 |
| 64 | 328,379,251 | 323,352,856 | 318,934,792 | 334,771,350 | 325,970,721 | 336,540,387 | 325,085,036 |
| 65 | 329,450,513 | 322,340,041 | 322,162,666 | 335,617,720 | 326,040,997 | 345,638,210 | 356,874,845 |
| 66 | 302,664,418 | 315,382,858 | 324,907,766 | 323,740,943 | 323,067,589 | 332,180,162 | 332,468,434 |
| 67 | 307,184,233 | 307,067,464 | 329,988,545 | 326,812,022 | 342,009,739 | 342,418,990 | 331,529,445 |
| 68 | 309,527,800 | 310,795,381 | 310,889,762 | 333,589,889 | 318,920,467 | 337,700,373 | 351,369,091 |
| 69 | 315,356,690 | 301,594,277 | 319,485,723 | 330,044,429 | 324,506,325 | 336,819,842 | 342,506,976 |
| 70 | 309,579,926 | 311,247,186 | 332,527,444 | 334,060,475 | 340,520,954 | 325,811,511 | 339,123,748 |
| 71 | 321,598,290 | 312,994,972 | 314,951,610 | 328,697,876 | 346,952,858 | 331,651,227 | 338,453,801 |
| 72 | 313,230,486 | 314,302,593 | 337,913,630 | 325,339,455 | 328,833,185 | 335,205,965 | 332,394,989 |
| 73 | 316,482,465 | 320,230,227 | 323,174,981 | 318,427,838 | 330,092,429 | 341,766,764 | 336,897,055 |
| 74 | 308,440,176 | 325,923,909 | 320,301,998 | 327,025,353 | 335,401,217 | 330,799,285 | 352,119,846 |
| 75 | 314,504,054 | 309,853,404 | 333,047,696 | 320,705,018 | 334,433,509 | 338,583,612 | 352,311,296 |
| 76 | 310,846,780 | 316,337,545 | 321,514,604 | 320,607,947 | 332,454,848 | 342,100,065 | 349,806,298 |
| 77 | 310,933,760 | 316,609,774 | 321,909,759 | 336,140,672 | 344,597,858 | 334,736,012 | 346,133,969 |
| 78 | 326,740,868 | 318,712,876 | 328,307,835 | 334,859,398 | 335,018,856 | 337,594,652 | 359,408,275 |
| 79 | 308,167,160 | 307,417,066 | 315,631,729 | 330,274,347 | 329,861,398 | 342,444,995 | 339,931,639 |
| 80 | 306,351,302 | 326,532,497 | 326,170,867 | 322,793,431 | 332,217,456 | 335,568,307 | 347,956,005 |
| 81 | 297,617,485 | 303,924,830 | 329,942,883 | 328,444,964 | 328,660,449 | 341,729,759 | 345,494,804 |
| 82 | 312,039,563 | 311,256,324 | 314,421,657 | 336,339,566 | 339,659,570 | 333,334,014 | 343,279,670 |
| 83 | 308,910,577 | 308,783,962 | 322,117,173 | 321,087,102 | 350,771,713 | 333,578,989 | 329,880,538 |
| 84 | 312,848,385 | 319,872,399 | 328,442,265 | 329,564,678 | 337,068,740 | 341,766,423 | 336,106,780 |
| 85 | 301,312,075 | 304,810,900 | 318,258,765 | 338,715,199 | 320,141,726 | 336,354,635 | 336,790,253 |
| 86 | 303,778,215 | 327,767,589 | 317,081,976 | 321,698,622 | 330,689,222 | 331,425,335 | 350,298,815 |
| 87 | 311,495,915 | 305,840,348 | 334,916,123 | 324,171,291 | 347,087,415 | 337,560,909 | 345,221,964 |
| 88 | 309,677,000 | 323,950,905 | 331,840,733 | 326,605,308 | 339,600,874 | 325,551,249 | 334,025,300 |
| 89 | 322,489,612 | 320,509,573 | 310,157,804 | 337,187,531 | 336,766,600 | 348,272,890 | 339,978,154 |
| 90 | 307,687,154 | 318,512,983 | 315,917,108 | 330,524,684 | 344,317,653 | 337,607,655 | 337,247,760 |
| 91 | 312,595,126 | 310,472,523 | 318,694,335 | 331,363,377 | 332,320,568 | 322,679,171 | 349,823,567 |
| 92 | 318,624,032 | 320,805,863 | 336,731,269 | 340,203,352 | 334,345,573 | 343,499,176 | 333,586,144 |
| 93 | 327,759,340 | 314,763,817 | 324,769,028 | 313,133,851 | 335,830,845 | 342,202,597 | 349,984,003 |
| 94 | 319,088,078 | 314,994,446 | 317,580,516 | 334,455,173 | 345,648,147 | 334,849,496 | 344,933,608 |
| 95 | 318,564,711 | 325,984,211 | 330,372,508 | 323,485,381 | 333,532,681 | 333,228,399 | 333,879,872 |
| 96 | 306,351,293 | 309,432,270 | 312,296,933 | 320,914,088 | 328,673,070 | 341,051,830 | 330,388,457 |
| 97 | 312,446,328 | 310,566,029 | 327,026,851 | 333,173,873 | 321,786,635 | 333,476,234 | 339,172,265 |
| 98 | 307,699,214 | 318,658,083 | 312,003,827 | 345,736,993 | 314,299,856 | 349,694,922 | 338,718,118 |
| 99 | 316,656,419 | 304,625,426 | 331,153,957 | 328,456,205 | 324,935,472 | 330,290,507 | 338,419,194 |
| 100 | 319,540,238 | 324,899,226 | 314,037,935 | 328,697,840 | 348,061,235 | 326,556,729 | 349,020,859 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 101 | 308,296,478 | 321,985,416 | 326,085,187 | 323,063,084 | 319,038,824 | 335,087,041 | 333,290,475 |
| 102 | 303,819,701 | 315,348,124 | 321,586,212 | 324,694,127 | 333,922,769 | 348,142,883 | 348,515,782 |
| 103 | 310,522,122 | 307,829,771 | 317,089,223 | 325,080,457 | 325,571,312 | 325,434,168 | 333,953,950 |
| 104 | 319,749,972 | 320,867,197 | 312,588,948 | 328,341,461 | 321,206,695 | 339,614,725 | 342,621,408 |
| 105 | 315,346,597 | 323,847,886 | 322,119,324 | 329,071,153 | 327,117,993 | 337,310,265 | 341,413,786 |
| 106 | 300,932,014 | 306,540,285 | 314,249,242 | 332,749,703 | 327,739,189 | 351,273,481 | 338,969,772 |
| 107 | 314,725,079 | 314,644,002 | 311,773,461 | 319,451,272 | 348,604,999 | 331,648,369 | 350,454,445 |
| 108 | 311,032,586 | 334,939,030 | 321,871,201 | 322,443,413 | 335,454,010 | 339,781,194 | 334,945,037 |
| 109 | 314,902,263 | 320,244,798 | 314,651,729 | 326,796,815 | 328,944,578 | 339,304,571 | 347,684,689 |
| 110 | 314,626,538 | 319,587,936 | 317,808,755 | 314,056,958 | 334,739,151 | 330,044,940 | 357,298,590 |
| 111 | 311,913,233 | 314,356,825 | 309,292,322 | 323,685,730 | 341,519,148 | 335,747,539 | 339,606,643 |
| 112 | 328,136,637 | 319,890,605 | 327,716,898 | 315,199,589 | 337,741,356 | 338,918,334 | 332,422,762 |
| 113 | 304,040,771 | 310,126,012 | 326,456,705 | 327,227,441 | 332,805,573 | 346,705,043 | 341,806,002 |
| 114 | 309,006,883 | 314,173,262 | 340,311,826 | 329,694,577 | 323,095,572 | 342,293,991 | 341,677,831 |
| 115 | 308,514,189 | 318,312,844 | 323,620,365 | 329,399,733 | 333,696,587 | 333,342,149 | 351,514,224 |
| 116 | 318,162,011 | 317,263,103 | 327,424,245 | 331,548,566 | 340,999,348 | 340,307,772 | 348,344,722 |
| 117 | 319,322,146 | 326,333,597 | 330,838,859 | 324,105,942 | 333,723,159 | 338,794,271 | 334,992,788 |
| 118 | 318,907,406 | 313,617,357 | 326,869,837 | 325,646,323 | 336,667,003 | 329,340,489 | 341,316,976 |
| 119 | 313,966,787 | 329,943,156 | 314,196,378 | 322,088,319 | 330,142,721 | 339,047,834 | 335,457,513 |
| 120 | 313,188,061 | 323,337,094 | 322,902,822 | 315,389,593 | 321,124,396 | 324,822,870 | 349,865,011 |
| 121 | 309,731,108 | 326,137,996 | 326,067,704 | 318,068,201 | 329,523,088 | 340,590,002 | 341,591,908 |
| 122 | 309,624,297 | 314,398,500 | 331,133,624 | 323,159,786 | 327,825,685 | 319,681,207 | 343,776,714 |
| 123 | 309,375,260 | 323,108,470 | 316,618,778 | 327,313,930 | 336,805,358 | 354,631,765 | 343,668,672 |
| 124 | 314,820,556 | 321,313,061 | 313,120,706 | 330,390,637 | 328,756,275 | 348,001,284 | 342,466,974 |
| 125 | 311,524,952 | 331,035,082 | 314,763,618 | 321,111,889 | 331,779,689 | 328,892,250 | 335,074,253 |
| 126 | 313,719,746 | 318,402,109 | 327,745,566 | 330,258,794 | 331,003,839 | 334,287,015 | 341,158,976 |
| 127 | 334,883,462 | 303,724,596 | 329,037,733 | 331,446,544 | 328,813,082 | 334,330,056 | 323,320,127 |
| 128 | 314,041,878 | 317,679,070 | 322,916,868 | 325,839,152 | 332,930,306 | 329,118,751 | 340,291,742 |
| 129 | 308,150,192 | 318,481,170 | 309,475,384 | 323,461,522 | 328,968,944 | 341,210,972 | 344,851,598 |
| 130 | 304,992,466 | 321,508,180 | 321,340,295 | 331,139,955 | 330,332,940 | 323,626,967 | 332,233,025 |
| 131 | 307,916,603 | 319,368,327 | 308,777,389 | 329,780,023 | 337,629,584 | 333,674,963 | 341,697,270 |
| 132 | 310,048,939 | 316,713,825 | 320,195,152 | 337,307,598 | 330,946,506 | 326,511,648 | 333,648,472 |
| 133 | 320,707,023 | 311,833,429 | 327,719,592 | 333,906,088 | 328,479,528 | 333,145,376 | 336,602,560 |
| 134 | 305,006,684 | 324,082,480 | 327,161,582 | 332,505,426 | 333,371,149 | 326,846,391 | 353,727,379 |
| 135 | 310,455,477 | 333,828,913 | 318,116,362 | 329,362,533 | 327,855,033 | 349,658,782 | 344,628,049 |
| 136 | 310,167,331 | 321,805,781 | 315,152,622 | 332,582,762 | 326,902,127 | 334,115,215 | 355,402,735 |
| 137 | 301,911,770 | 327,979,070 | 330,621,470 | 330,273,342 | 328,901,060 | 336,497,458 | 329,732,301 |
| 138 | 307,046,872 | 313,227,577 | 316,420,529 | 319,550,171 | 338,854,535 | 331,363,272 | 345,633,148 |
| 139 | 323,855,985 | 312,123,304 | 330,725,311 | 327,187,049 | 326,346,888 | 339,402,282 | 339,454,123 |
| 140 | 313,906,419 | 318,738,343 | 315,857,777 | 331,618,444 | 319,165,960 | 338,716,302 | 329,353,297 |
| 141 | 305,233,400 | 321,196,955 | 329,723,998 | 319,555,273 | 335,466,011 | 339,878,105 | 342,405,634 |
| 142 | 306,778,890 | 323,622,849 | 319,857,318 | 334,215,571 | 333,072,985 | 335,171,259 | 352,267,147 |
| 143 | 303,989,458 | 313,689,261 | 330,875,170 | 319,546,377 | 318,141,314 | 347,988,181 | 341,369,370 |
| 144 | 305,569,810 | 308,215,304 | 324,615,478 | 315,166,684 | 336,128,363 | 323,137,914 | 352,289,620 |
| 145 | 305,547,296 | 319,044,655 | 315,272,649 | 352,829,306 | 332,728,727 | 345,133,580 | 353,665,594 |
| 146 | 318,892,216 | 318,591,993 | 318,446,824 | 337,060,234 | 326,301,505 | 338,347,728 | 324,205,213 |
| 147 | 314,614,663 | 325,295,181 | 333,703,706 | 310,076,925 | 333,064,161 | 329,532,251 | 336,040,360 |
| 148 | 302,309,723 | 318,337,839 | 339,007,325 | 317,177,900 | 331,636,250 | 339,095,677 | 343,946,926 |
| 149 | 303,984,413 | 321,023,472 | 324,277,573 | 323,662,598 | 340,918,939 | 342,765,891 | 330,574,660 |
| 150 | 325,880,937 | 333,867,756 | 322,242,127 | 338,410,108 | 324,025,035 | 336,435,097 | 344,534,626 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 151 | 320,866,367 | 316,437,865 | 329,958,487 | 328,659,309 | 341,841,146 | 325,983,978 | 342,897,171 |
| 152 | 308,555,034 | 316,376,003 | 320,727,298 | 332,462,284 | 327,553,269 | 339,512,132 | 337,925,994 |
| 153 | 321,279,078 | 314,322,544 | 319,403,660 | 325,893,668 | 322,335,076 | 331,517,388 | 347,615,237 |
| 154 | 304,708,944 | 311,827,934 | 314,813,048 | 334,417,158 | 324,534,098 | 349,691,138 | 328,054,395 |
| 155 | 310,256,295 | 323,376,588 | 315,003,352 | 302,843,009 | 338,673,654 | 341,372,567 | 339,658,830 |
| 156 | 316,220,739 | 319,839,297 | 325,873,591 | 324,684,541 | 328,726,695 | 329,086,547 | 358,508,118 |
| 157 | 309,590,313 | 298,690,143 | 323,450,524 | 333,377,401 | 334,035,662 | 333,026,700 | 332,298,898 |
| 158 | 314,510,893 | 313,144,903 | 331,690,178 | 332,210,881 | 341,679,682 | 339,023,723 | 354,746,119 |
| 159 | 305,314,589 | 319,130,065 | 318,710,543 | 314,347,674 | 326,264,567 | 334,831,821 | 343,078,849 |
| 160 | 308,203,564 | 311,980,429 | 331,700,845 | 322,262,402 | 339,866,424 | 345,286,791 | 348,040,075 |
| 161 | 324,795,697 | 315,725,892 | 317,939,541 | 312,685,758 | 336,683,414 | 341,083,072 | 352,562,568 |
| 162 | 311,585,480 | 319,492,537 | 325,516,302 | 323,417,830 | 336,198,220 | 340,461,290 | 338,747,248 |
| 163 | 320,257,077 | 316,944,461 | 313,445,830 | 317,931,479 | 340,571,994 | 326,445,951 | 338,429,316 |
| 164 | 318,429,046 | 326,010,396 | 325,747,883 | 312,810,451 | 322,049,858 | 333,950,522 | 333,644,580 |
| 165 | 315,934,389 | 316,591,919 | 320,813,264 | 332,658,449 | 332,431,153 | 336,447,155 | 334,098,418 |
| 166 | 311,118,255 | 332,866,586 | 316,445,525 | 326,327,216 | 329,240,929 | 324,384,588 | 356,524,973 |
| 167 | 305,331,510 | 325,592,089 | 318,229,943 | 313,043,531 | 338,748,344 | 335,638,123 | 343,612,055 |
| 168 | 308,042,450 | 308,867,609 | 322,243,911 | 330,118,875 | 328,628,297 | 330,630,320 | 350,549,213 |
| 169 | 327,281,974 | 319,971,714 | 323,959,737 | 322,497,694 | 331,673,217 | 341,707,251 | 347,689,928 |
| 170 | 314,691,987 | 312,011,634 | 317,216,496 | 338,241,924 | 329,065,301 | 336,280,950 | 341,673,859 |
| 171 | 318,324,542 | 308,535,379 | 324,798,480 | 320,855,283 | 338,330,342 | 350,344,878 | 346,448,991 |
| 172 | 306,337,654 | 318,834,028 | 326,887,888 | 325,058,791 | 340,526,817 | 329,758,598 | 345,335,366 |
| 173 | 308,124,915 | 316,559,956 | 319,103,210 | 332,861,413 | 333,205,534 | 343,050,847 | 335,543,795 |
| 174 | 300,857,198 | 302,799,064 | 337,064,291 | 319,530,444 | 335,619,647 | 344,161,961 | 347,409,464 |
| 175 | 309,428,237 | 327,859,968 | 316,721,416 | 324,402,439 | 332,792,781 | 338,721,630 | 335,665,571 |
| 176 | 305,977,965 | 320,742,446 | 314,631,497 | 320,181,198 | 330,356,460 | 319,504,292 | 340,491,854 |
| 177 | 314,121,369 | 310,917,643 | 316,110,231 | 322,529,766 | 321,076,538 | 336,914,125 | 347,948,145 |
| 178 | 308,990,291 | 322,483,003 | 326,763,832 | 323,399,833 | 329,030,374 | 343,026,257 | 342,245,015 |
| 179 | 306,036,592 | 318,160,138 | 328,761,938 | 319,919,398 | 323,304,225 | 335,849,512 | 334,033,740 |
| 180 | 310,190,312 | 321,603,393 | 325,431,362 | 312,129,376 | 337,091,238 | 343,932,459 | 340,720,441 |
| 181 | 320,037,954 | 317,456,299 | 326,104,044 | 334,699,936 | 338,012,788 | 332,350,917 | 339,082,417 |
| 182 | 317,458,615 | 305,293,239 | 328,813,863 | 325,187,848 | 330,774,082 | 334,447,596 | 347,179,524 |
| 183 | 307,749,488 | 303,844,366 | 316,054,499 | 334,781,639 | 323,921,369 | 336,104,688 | 328,653,550 |
| 184 | 314,617,624 | 301,969,309 | 326,138,202 | 317,047,203 | 331,481,752 | 331,727,786 | 339,793,511 |
| 185 | 310,628,726 | 315,100,101 | 328,644,170 | 338,349,380 | 323,696,835 | 340,095,992 | 355,508,390 |
| 186 | 315,386,967 | 312,529,463 | 313,255,989 | 331,757,986 | 335,421,078 | 347,076,636 | 335,216,088 |
| 187 | 326,318,342 | 315,590,270 | 332,828,969 | 321,764,035 | 336,787,910 | 345,762,802 | 353,950,661 |
| 188 | 311,806,894 | 324,396,399 | 336,661,131 | 328,931,227 | 343,309,899 | 328,394,523 | 337,080,534 |
| 189 | 306,689,964 | 316,223,764 | 340,119,477 | 328,486,242 | 324,271,511 | 346,166,115 | 330,450,090 |
| 190 | 323,580,612 | 306,971,272 | 313,746,802 | 318,162,893 | 322,091,881 | 342,716,876 | 341,172,409 |
| 191 | 301,031,404 | 310,435,165 | 332,313,176 | 328,545,351 | 335,839,142 | 331,402,660 | 332,509,979 |
| 192 | 307,522,959 | 320,437,446 | 311,390,307 | 335,354,338 | 324,810,813 | 333,143,810 | 324,636,263 |
| 193 | 307,768,712 | 316,073,238 | 315,342,923 | 330,299,027 | 338,907,389 | 347,382,285 | 336,255,522 |
| 194 | 302,945,261 | 317,511,406 | 327,677,472 | 333,695,373 | 350,927,189 | 338,878,371 | 335,072,859 |
| 195 | 308,273,828 | 308,974,246 | 326,266,773 | 315,579,864 | 332,464,965 | 329,658,119 | 344,883,942 |
| 196 | 325,952,446 | 316,174,135 | 327,092,240 | 323,333,422 | 328,520,516 | 325,813,305 | 353,029,958 |
| 197 | 320,696,045 | 308,539,484 | 332,910,575 | 330,005,801 | 332,882,621 | 342,629,818 | 341,273,994 |
| 198 | 314,279,067 | 308,263,452 | 314,824,855 | 331,008,538 | 330,671,630 | 325,602,297 | 333,748,432 |
| 199 | 323,681,318 | 314,819,592 | 317,510,056 | 330,356,448 | 328,272,309 | 348,558,816 | 329,736,350 |
| 200 | 313,896,208 | 318,158,879 | 334,243,679 | 332,597,790 | 341,739,344 | 342,597,667 | 337,261,912 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 1 | 348,521,892 | 353,920,866 | 359,390,768 | 366,370,554 | 370,654,846 | 376,525,128 | 382,420,573 |
| 2 | 337,111,720 | 363,951,486 | 353,453,269 | 351,742,476 | 363,918,277 | 372,234,796 | 377,106,192 |
| 3 | 339,669,841 | 350,602,047 | 368,102,162 | 356,243,231 | 364,167,694 | 367,533,829 | 379,364,957 |
| 4 | 335,042,583 | 362,197,489 | 385,533,742 | 378,811,803 | 370,620,543 | 389,905,084 | 372,695,055 |
| 5 | 353,430,397 | 364,402,030 | 353,276,524 | 368,059,469 | 366,088,061 | 363,064,908 | 361,576,507 |
| 6 | 348,266,979 | 361,750,187 | 346,186,878 | 360,338,937 | 375,544,865 | 367,332,318 | 372,750,621 |
| 7 | 358,691,766 | 349,940,864 | 353,796,668 | 364,959,149 | 364,631,887 | 370,675,830 | 378,629,215 |
| 8 | 342,092,082 | 351,113,521 | 346,691,869 | 349,281,617 | 370,432,550 | 383,283,781 | 375,706,060 |
| 9 | 343,238,562 | 340,133,809 | 367,698,752 | 374,205,113 | 359,043,150 | 375,742,105 | 381,279,234 |
| 10 | 347,370,943 | 367,494,162 | 355,766,800 | 339,825,866 | 380,609,834 | 386,460,909 | 377,057,371 |
| 11 | 347,870,603 | 359,633,601 | 336,734,196 | 369,088,738 | 361,285,597 | 371,406,612 | 385,483,376 |
| 12 | 349,143,821 | 358,584,568 | 362,698,571 | 355,301,131 | 364,998,510 | 380,042,196 | 382,006,990 |
| 13 | 346,186,044 | 353,354,735 | 364,563,910 | 357,442,622 | 367,531,480 | 370,881,780 | 377,883,245 |
| 14 | 347,555,430 | 355,758,616 | 355,850,890 | 367,050,259 | 362,735,363 | 363,684,226 | 365,364,004 |
| 15 | 341,822,669 | 359,604,564 | 342,796,808 | 370,123,381 | 364,148,239 | 375,749,592 | 387,857,110 |
| 16 | 344,007,343 | 348,064,202 | 355,714,666 | 371,700,155 | 375,566,993 | 381,862,061 | 383,760,753 |
| 17 | 345,842,168 | 339,714,462 | 351,222,598 | 361,072,494 | 361,971,987 | 388,982,334 | 381,700,073 |
| 18 | 356,936,151 | 344,747,972 | 366,941,293 | 353,623,871 | 377,465,269 | 380,360,356 | 381,946,264 |
| 19 | 356,379,333 | 352,736,414 | 359,832,636 | 353,277,568 | 372,890,485 | 371,170,106 | 385,215,262 |
| 20 | 341,919,909 | 356,628,832 | 377,358,912 | 365,574,430 | 363,054,988 | 376,214,597 | 367,746,812 |
| 21 | 338,037,791 | 354,170,339 | 351,267,042 | 365,578,885 | 380,387,605 | 353,759,776 | 380,031,164 |
| 22 | 360,063,984 | 350,536,962 | 360,037,926 | 379,072,189 | 374,867,946 | 373,524,016 | 382,792,237 |
| 23 | 352,763,450 | 360,828,379 | 354,677,104 | 347,623,729 | 369,103,919 | 368,702,654 | 385,300,368 |
| 24 | 341,718,801 | 358,171,863 | 367,797,535 | 357,389,721 | 364,370,923 | 386,448,561 | 385,914,956 |
| 25 | 344,485,684 | 353,890,959 | 356,531,536 | 370,075,821 | 374,709,807 | 376,237,442 | 362,321,180 |
| 26 | 337,052,063 | 348,601,296 | 360,988,457 | 361,614,593 | 382,786,647 | 373,755,269 | 370,736,542 |
| 27 | 348,755,276 | 353,120,991 | 361,432,786 | 364,581,183 | 380,988,137 | 368,120,840 | 369,583,037 |
| 28 | 343,017,352 | 348,300,859 | 359,840,531 | 369,550,683 | 368,470,681 | 355,539,876 | 389,533,726 |
| 29 | 351,697,016 | 358,605,774 | 369,908,658 | 365,504,878 | 370,774,602 | 375,595,171 | 378,636,809 |
| 30 | 361,703,278 | 359,855,091 | 359,760,687 | 373,096,084 | 382,186,057 | 381,615,740 | 378,604,331 |
| 31 | 333,641,472 | 352,946,295 | 364,594,671 | 359,870,730 | 363,885,122 | 393,847,547 | 385,422,287 |
| 32 | 355,077,285 | 362,113,464 | 358,067,641 | 365,425,604 | 368,333,561 | 379,505,822 | 388,570,397 |
| 33 | 354,207,494 | 360,621,100 | 356,026,034 | 356,667,057 | 362,735,463 | 376,379,924 | 377,282,471 |
| 34 | 361,447,450 | 353,071,653 | 354,129,143 | 351,702,537 | 362,492,410 | 379,768,272 | 394,353,049 |
| 35 | 347,385,543 | 364,214,029 | 346,857,331 | 362,996,599 | 362,512,962 | 375,466,224 | 370,976,963 |
| 36 | 348,488,670 | 358,562,717 | 347,331,689 | 371,452,370 | 374,053,512 | 372,422,834 | 392,458,933 |
| 37 | 348,209,780 | 363,225,827 | 372,011,596 | 369,930,528 | 372,625,337 | 366,845,363 | 386,685,913 |
| 38 | 351,851,938 | 349,170,292 | 372,970,717 | 364,710,164 | 374,883,744 | 384,050,863 | 374,153,814 |
| 39 | 346,362,917 | 345,689,406 | 348,853,257 | 352,825,624 | 373,266,717 | 376,263,391 | 358,948,090 |
| 40 | 356,998,651 | 344,491,283 | 364,015,876 | 366,287,247 | 376,096,630 | 373,344,195 | 378,760,914 |
| 41 | 339,208,236 | 356,246,948 | 358,382,074 | 373,295,764 | 360,837,122 | 364,394,291 | 395,824,657 |
| 42 | 355,035,617 | 357,970,100 | 354,113,360 | 368,650,119 | 372,291,526 | 375,523,819 | 386,289,425 |
| 43 | 333,572,380 | 352,502,404 | 371,041,279 | 357,673,783 | 378,755,651 | 389,752,437 | 372,533,819 |
| 44 | 340,747,514 | 371,530,785 | 360,604,747 | 355,108,292 | 374,968,390 | 379,635,170 | 391,946,875 |
| 45 | 355,459,343 | 354,580,496 | 352,162,483 | 374,217,546 | 369,789,931 | 379,025,273 | 370,459,569 |
| 46 | 363,432,054 | 342,788,305 | 348,866,843 | 360,104,646 | 363,366,762 | 370,858,418 | 389,459,634 |
| 47 | 338,620,965 | 352,427,592 | 354,160,295 | 365,359,370 | 359,421,542 | 381,184,933 | 383,243,733 |
| 48 | 345,021,239 | 355,527,211 | 357,327,050 | 383,168,146 | 367,366,308 | 383,702,457 | 379,119,769 |
| 49 | 341,619,742 | 357,442,026 | 348,680,601 | 346,070,000 | 366,280,730 | 363,235,576 | 370,038,249 |
| 50 | 350,053,178 | 344,729,008 | 360,389,782 | 361,296,422 | 360,629,981 | 384,576,607 | 391,503,459 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 51 | 340,321,732 | 345,552,763 | 350,933,455 | 357,000,912 | 369,028,254 | 374,374,100 | 370,885,895 |
| 52 | 348,942,053 | 357,508,904 | 363,020,133 | 364,813,088 | 370,355,231 | 368,633,396 | 372,267,971 |
| 53 | 343,040,581 | 351,231,437 | 361,530,106 | 363,522,402 | 360,557,162 | 365,886,955 | 365,596,062 |
| 54 | 350,677,862 | 358,243,480 | 358,036,123 | 373,626,630 | 366,750,532 | 376,592,143 | 388,089,251 |
| 55 | 345,906,903 | 352,738,381 | 355,535,253 | 354,712,709 | 362,636,655 | 374,835,483 | 371,376,477 |
| 56 | 337,445,270 | 349,038,178 | 350,611,085 | 375,175,918 | 381,344,529 | 383,428,217 | 388,621,277 |
| 57 | 341,093,537 | 347,063,804 | 342,955,729 | 349,858,043 | 368,779,607 | 377,689,051 | 379,470,658 |
| 58 | 344,738,866 | 348,632,103 | 354,926,205 | 368,349,001 | 368,907,068 | 362,121,394 | 385,655,106 |
| 59 | 356,676,216 | 350,859,238 | 373,861,754 | 359,366,732 | 370,986,175 | 374,136,920 | 383,280,641 |
| 60 | 342,986,264 | 355,117,050 | 363,455,997 | 354,434,446 | 365,643,719 | 373,432,879 | 377,778,746 |
| 61 | 334,047,552 | 334,842,968 | 360,088,578 | 357,049,871 | 374,301,910 | 362,296,918 | 399,611,088 |
| 62 | 346,200,425 | 360,653,494 | 369,834,122 | 367,827,234 | 377,414,127 | 377,498,375 | 364,204,497 |
| 63 | 335,026,641 | 353,110,404 | 350,334,351 | 367,899,849 | 371,373,029 | 363,778,088 | 387,427,035 |
| 64 | 358,576,216 | 337,476,717 | 357,472,994 | 369,068,246 | 371,510,102 | 371,954,887 | 375,502,433 |
| 65 | 346,179,873 | 348,682,612 | 354,832,034 | 375,209,388 | 391,105,054 | 387,386,549 | 386,777,496 |
| 66 | 345,652,629 | 355,893,651 | 352,100,525 | 351,857,860 | 356,269,672 | 373,366,494 | 376,691,149 |
| 67 | 339,108,268 | 354,420,007 | 374,099,484 | 375,665,027 | 371,333,279 | 373,229,050 | 389,265,730 |
| 68 | 357,261,989 | 359,283,669 | 347,961,359 | 356,466,808 | 383,593,843 | 380,900,077 | 370,678,285 |
| 69 | 347,001,317 | 351,575,769 | 338,831,555 | 345,954,845 | 358,465,811 | 359,887,233 | 376,664,941 |
| 70 | 349,284,267 | 351,722,159 | 354,955,586 | 367,699,293 | 380,133,726 | 364,043,613 | 414,557,832 |
| 71 | 343,406,565 | 340,257,500 | 359,891,603 | 375,797,606 | 366,917,902 | 387,363,587 | 386,624,746 |
| 72 | 355,976,018 | 351,875,658 | 345,991,530 | 357,530,888 | 374,061,752 | 387,175,759 | 378,978,995 |
| 73 | 352,585,723 | 346,001,698 | 366,963,141 | 370,332,973 | 359,419,699 | 351,519,138 | 385,124,505 |
| 74 | 352,489,148 | 345,973,226 | 357,270,853 | 370,867,963 | 376,075,873 | 373,370,106 | 390,708,144 |
| 75 | 346,259,598 | 351,040,957 | 357,926,055 | 376,514,592 | 368,547,712 | 374,334,033 | 392,514,886 |
| 76 | 346,787,985 | 353,409,217 | 362,932,522 | 372,755,539 | 387,253,835 | 367,497,330 | 376,904,683 |
| 77 | 334,326,165 | 351,600,724 | 367,949,138 | 369,219,515 | 373,191,849 | 373,568,352 | 406,171,151 |
| 78 | 353,855,369 | 342,693,425 | 374,983,750 | 375,545,997 | 375,044,457 | 378,099,566 | 392,834,177 |
| 79 | 345,267,731 | 338,818,906 | 360,778,212 | 370,569,310 | 366,458,127 | 381,953,690 | 386,406,335 |
| 80 | 351,991,281 | 358,353,503 | 341,499,903 | 378,803,920 | 356,089,757 | 369,069,286 | 371,520,945 |
| 81 | 351,422,673 | 366,084,372 | 365,560,508 | 365,752,234 | 362,607,962 | 374,478,606 | 384,100,466 |
| 82 | 363,826,307 | 358,383,132 | 365,002,363 | 353,449,156 | 356,633,757 | 363,507,405 | 378,018,386 |
| 83 | 328,853,308 | 358,017,339 | 357,979,549 | 364,747,217 | 367,674,684 | 373,860,228 | 382,494,826 |
| 84 | 344,873,475 | 355,966,118 | 335,253,105 | 367,101,245 | 375,093,005 | 374,789,871 | 380,976,300 |
| 85 | 339,788,110 | 352,620,259 | 359,324,123 | 357,881,872 | 372,984,696 | 388,660,349 | 376,008,773 |
| 86 | 360,453,575 | 345,807,193 | 365,052,544 | 355,961,281 | 377,728,715 | 372,214,064 | 374,886,104 |
| 87 | 357,024,065 | 345,449,440 | 359,091,849 | 372,254,557 | 367,575,129 | 378,066,940 | 387,726,663 |
| 88 | 341,046,774 | 350,687,485 | 354,618,911 | 361,462,823 | 367,714,649 | 374,340,999 | 381,738,314 |
| 89 | 333,985,332 | 350,647,996 | 349,681,280 | 371,282,307 | 388,276,232 | 381,929,885 | 368,260,984 |
| 90 | 356,595,263 | 342,359,553 | 357,059,610 | 379,729,286 | 373,021,288 | 381,253,072 | 387,625,757 |
| 91 | 361,886,839 | 358,218,244 | 358,029,503 | 366,406,981 | 373,220,237 | 372,966,167 | 373,476,665 |
| 92 | 352,471,550 | 345,496,470 | 357,376,396 | 366,919,801 | 348,428,710 | 379,210,249 | 388,143,558 |
| 93 | 353,065,055 | 351,232,460 | 353,896,364 | 358,703,166 | 364,598,616 | 379,611,441 | 384,872,567 |
| 94 | 358,137,428 | 359,985,149 | 344,960,051 | 381,866,590 | 362,113,852 | 399,053,521 | 388,294,376 |
| 95 | 348,208,649 | 351,705,523 | 368,740,156 | 352,698,999 | 376,286,410 | 371,081,623 | 387,561,328 |
| 96 | 351,489,326 | 346,085,730 | 362,989,009 | 365,135,420 | 375,996,370 | 370,733,172 | 387,131,969 |
| 97 | 356,788,504 | 342,816,362 | 351,962,820 | 370,215,091 | 365,178,607 | 390,628,162 | 388,752,948 |
| 98 | 354,172,698 | 358,278,691 | 362,650,759 | 350,981,854 | 380,776,362 | 383,326,228 | 387,132,096 |
| 99 | 358,245,957 | 361,146,612 | 363,684,134 | 363,160,198 | 360,341,630 | 377,371,333 | 403,927,858 |
| 100 | 344,856,114 | 345,660,696 | 345,716,187 | 357,009,932 | 359,112,520 | 371,371,035 | 383,766,123 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 101 | 368,338,163 | 360,801,310 | 342,935,404 | 347,636,533 | 375,008,825 | 382,955,816 | 384,006,980 |
| 102 | 347,760,788 | 352,464,266 | 355,223,408 | 350,630,655 | 358,936,435 | 381,372,589 | 382,673,146 |
| 103 | 352,127,921 | 357,464,615 | 371,354,188 | 371,473,324 | 372,388,356 | 372,627,767 | 389,867,827 |
| 104 | 337,321,178 | 338,318,635 | 362,807,858 | 366,972,968 | 355,531,698 | 379,500,147 | 404,530,606 |
| 105 | 358,783,931 | 355,961,156 | 357,336,257 | 358,030,441 | 360,389,539 | 369,456,878 | 371,431,223 |
| 106 | 350,656,964 | 344,254,358 | 353,019,262 | 362,278,755 | 366,454,841 | 364,632,771 | 381,381,246 |
| 107 | 323,474,460 | 346,351,469 | 364,012,415 | 359,842,617 | 353,991,791 | 384,695,877 | 384,634,351 |
| 108 | 348,306,045 | 350,678,133 | 366,302,234 | 363,259,108 | 363,665,377 | 376,309,799 | 380,016,324 |
| 109 | 362,653,742 | 351,574,748 | 356,258,429 | 362,441,157 | 374,139,977 | 373,010,545 | 397,411,837 |
| 110 | 361,868,869 | 350,211,873 | 368,097,646 | 360,726,586 | 383,058,729 | 381,380,051 | 387,507,411 |
| 111 | 341,718,895 | 342,899,411 | 342,651,694 | 369,368,305 | 369,446,065 | 374,576,087 | 383,092,273 |
| 112 | 332,509,365 | 343,843,992 | 377,987,564 | 362,044,201 | 370,604,239 | 365,359,271 | 368,953,574 |
| 113 | 336,120,481 | 350,827,332 | 364,146,028 | 378,823,551 | 381,623,209 | 382,545,639 | 384,588,708 |
| 114 | 353,826,095 | 346,284,798 | 353,195,418 | 355,549,839 | 363,852,453 | 378,296,010 | 383,229,117 |
| 115 | 334,939,688 | 352,742,658 | 367,209,052 | 350,562,200 | 365,062,516 | 373,832,949 | 362,677,352 |
| 116 | 349,226,113 | 344,849,262 | 358,974,648 | 365,145,005 | 383,240,056 | 388,159,506 | 378,465,121 |
| 117 | 347,048,053 | 350,213,753 | 365,769,992 | 363,333,659 | 380,642,013 | 363,523,642 | 387,433,946 |
| 118 | 350,243,359 | 342,075,010 | 368,395,765 | 362,665,064 | 354,722,782 | 389,581,260 | 387,973,148 |
| 119 | 356,273,205 | 346,627,597 | 364,936,894 | 360,228,539 | 364,192,238 | 369,862,739 | 370,082,121 |
| 120 | 349,108,547 | 344,883,721 | 355,911,006 | 358,925,236 | 367,765,310 | 382,666,192 | 385,201,327 |
| 121 | 347,160,695 | 343,352,479 | 350,042,394 | 362,736,129 | 374,568,458 | 368,231,618 | 390,679,069 |
| 122 | 354,758,337 | 351,120,193 | 351,475,870 | 351,397,977 | 363,039,335 | 374,401,776 | 378,903,525 |
| 123 | 349,329,816 | 334,417,975 | 356,286,827 | 354,549,278 | 381,923,015 | 364,101,634 | 387,756,413 |
| 124 | 341,363,114 | 358,568,146 | 351,567,046 | 360,175,811 | 377,960,196 | 364,234,252 | 398,930,821 |
| 125 | 350,412,213 | 347,808,688 | 362,726,620 | 375,225,974 | 348,439,046 | 373,395,096 | 374,668,454 |
| 126 | 350,301,774 | 348,750,185 | 357,885,125 | 376,934,892 | 368,180,132 | 375,703,926 | 369,026,243 |
| 127 | 345,443,625 | 344,159,467 | 362,919,669 | 363,982,789 | 380,886,182 | 376,322,921 | 388,885,926 |
| 128 | 353,260,258 | 353,090,108 | 344,265,022 | 370,310,701 | 371,490,886 | 373,611,834 | 367,134,676 |
| 129 | 350,305,622 | 347,418,084 | 351,857,174 | 387,387,710 | 384,354,701 | 384,623,084 | 377,190,849 |
| 130 | 354,433,204 | 352,658,397 | 360,018,933 | 346,652,729 | 363,089,103 | 370,437,398 | 374,363,169 |
| 131 | 347,443,320 | 356,844,641 | 354,705,651 | 359,405,100 | 366,782,620 | 382,183,421 | 372,736,710 |
| 132 | 345,768,305 | 351,130,559 | 358,032,170 | 352,051,927 | 369,151,147 | 375,964,475 | 381,155,384 |
| 133 | 355,274,164 | 341,225,319 | 366,856,468 | 379,632,016 | 379,894,395 | 366,139,089 | 366,642,950 |
| 134 | 351,478,300 | 353,707,940 | 356,697,781 | 382,715,495 | 357,083,691 | 378,297,424 | 359,045,768 |
| 135 | 346,340,360 | 340,689,326 | 365,051,130 | 364,991,535 | 373,982,760 | 372,811,710 | 390,532,372 |
| 136 | 368,244,788 | 353,829,640 | 349,829,079 | 366,175,528 | 361,523,900 | 394,674,585 | 387,540,763 |
| 137 | 335,243,946 | 360,256,068 | 357,221,801 | 368,701,346 | 357,619,266 | 375,826,883 | 389,578,014 |
| 138 | 359,075,315 | 367,450,839 | 344,068,485 | 369,793,205 | 370,758,475 | 369,899,556 | 367,818,814 |
| 139 | 344,016,957 | 365,046,565 | 357,827,696 | 372,069,967 | 374,054,095 | 365,281,062 | 375,406,053 |
| 140 | 358,906,413 | 349,633,459 | 367,195,835 | 357,644,952 | 363,476,478 | 377,420,825 | 381,393,678 |
| 141 | 356,806,941 | 356,801,709 | 354,794,258 | 372,977,821 | 379,885,990 | 366,177,093 | 392,497,631 |
| 142 | 347,773,147 | 337,027,802 | 355,574,265 | 373,515,879 | 363,001,921 | 377,968,206 | 380,855,375 |
| 143 | 348,900,284 | 340,013,074 | 359,420,580 | 364,745,722 | 372,816,102 | 368,241,536 | 396,154,765 |
| 144 | 358,559,678 | 346,420,450 | 384,422,159 | 364,141,859 | 380,901,329 | 382,182,005 | 367,646,440 |
| 145 | 344,569,063 | 356,297,279 | 354,792,131 | 362,983,037 | 374,527,148 | 385,995,647 | 367,594,998 |
| 146 | 341,910,484 | 346,035,714 | 364,995,453 | 371,750,310 | 369,740,395 | 367,925,330 | 384,674,220 |
| 147 | 348,765,269 | 346,172,767 | 352,802,540 | 365,696,010 | 372,415,461 | 383,509,539 | 376,747,310 |
| 148 | 352,265,303 | 359,325,793 | 360,480,612 | 370,803,295 | 361,543,862 | 367,726,678 | 381,948,448 |
| 149 | 362,448,248 | 357,484,443 | 349,534,064 | 362,972,710 | 375,322,019 | 384,364,364 | 391,239,729 |
| 150 | 347,907,075 | 354,084,484 | 349,322,798 | 355,906,033 | 370,452,136 | 376,768,932 | 392,356,058 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 151 | 334,471,065 | 358,455,576 | 366,431,680 | 357,731,570 | 361,770,332 | 384,752,513 | 375,365,618 |
| 152 | 346,801,159 | 338,724,327 | 353,587,653 | 354,010,649 | 370,675,233 | 389,759,503 | 376,576,715 |
| 153 | 348,703,974 | 349,655,269 | 361,587,473 | 371,664,060 | 371,353,962 | 371,511,392 | 371,445,968 |
| 154 | 351,527,786 | 352,868,500 | 349,715,552 | 350,952,575 | 353,650,028 | 377,307,861 | 386,431,136 |
| 155 | 339,565,894 | 350,376,064 | 358,491,295 | 370,950,719 | 354,489,726 | 382,702,101 | 365,066,232 |
| 156 | 355,709,453 | 342,007,305 | 367,799,254 | 364,165,436 | 366,386,395 | 375,300,426 | 375,585,719 |
| 157 | 341,234,555 | 350,364,639 | 371,627,201 | 362,964,348 | 373,425,777 | 377,492,429 | 380,219,526 |
| 158 | 350,106,681 | 358,340,673 | 361,700,130 | 359,790,461 | 363,345,320 | 375,732,766 | 377,394,054 |
| 159 | 335,286,725 | 360,489,516 | 363,585,499 | 369,143,861 | 362,791,898 | 380,158,098 | 359,808,638 |
| 160 | 359,204,304 | 359,257,789 | 358,083,971 | 358,398,221 | 358,709,273 | 368,453,287 | 389,063,566 |
| 161 | 355,337,304 | 359,765,525 | 358,550,733 | 368,174,864 | 362,122,743 | 370,064,869 | 392,361,013 |
| 162 | 345,506,331 | 344,268,798 | 348,295,140 | 367,750,428 | 381,404,962 | 363,465,274 | 381,060,883 |
| 163 | 339,609,079 | 355,762,784 | 348,643,932 | 356,761,532 | 353,638,486 | 388,703,204 | 378,745,264 |
| 164 | 342,515,583 | 359,729,688 | 348,702,966 | 370,262,024 | 370,397,394 | 380,322,546 | 377,762,791 |
| 165 | 342,883,695 | 352,545,926 | 364,352,232 | 369,291,583 | 363,444,642 | 369,906,825 | 384,077,427 |
| 166 | 329,030,956 | 365,098,623 | 345,131,861 | 379,521,631 | 362,087,969 | 378,072,938 | 388,143,543 |
| 167 | 338,040,405 | 352,532,021 | 360,197,190 | 357,998,736 | 362,571,502 | 389,728,452 | 375,929,625 |
| 168 | 335,719,317 | 353,500,539 | 367,048,877 | 365,688,989 | 351,697,469 | 377,965,430 | 386,569,429 |
| 169 | 353,730,631 | 359,822,767 | 363,040,313 | 368,298,902 | 358,257,500 | 388,827,193 | 382,981,336 |
| 170 | 359,805,021 | 362,966,492 | 367,670,627 | 365,619,717 | 380,202,785 | 382,887,648 | 388,892,877 |
| 171 | 351,166,910 | 353,881,592 | 343,763,904 | 354,744,092 | 366,417,302 | 357,377,005 | 379,108,801 |
| 172 | 349,840,358 | 362,948,105 | 352,915,885 | 359,459,066 | 366,414,745 | 384,514,191 | 374,216,716 |
| 173 | 350,710,556 | 354,534,826 | 365,467,519 | 362,864,880 | 377,681,058 | 370,884,537 | 381,278,877 |
| 174 | 357,280,465 | 362,496,097 | 352,799,636 | 364,005,799 | 350,336,628 | 384,655,801 | 392,314,863 |
| 175 | 347,157,881 | 345,503,981 | 361,238,075 | 380,616,212 | 370,436,897 | 378,291,831 | 395,540,622 |
| 176 | 337,923,847 | 345,322,697 | 371,991,140 | 363,300,838 | 365,741,538 | 376,192,774 | 369,716,891 |
| 177 | 352,073,539 | 350,614,545 | 355,305,442 | 375,682,374 | 383,847,237 | 378,708,287 | 382,810,247 |
| 178 | 355,307,754 | 342,917,974 | 359,083,921 | 365,891,312 | 355,944,580 | 373,581,709 | 393,199,715 |
| 179 | 357,813,649 | 355,278,806 | 344,882,251 | 370,367,374 | 368,014,019 | 378,766,575 | 399,528,878 |
| 180 | 342,616,139 | 354,873,266 | 347,644,749 | 359,088,692 | 375,169,389 | 388,030,654 | 376,293,191 |
| 181 | 344,336,045 | 351,065,281 | 353,524,659 | 362,890,606 | 354,037,958 | 387,832,083 | 390,396,349 |
| 182 | 339,581,408 | 343,195,220 | 345,329,471 | 368,092,015 | 364,131,699 | 381,346,219 | 366,186,607 |
| 183 | 344,553,840 | 346,959,707 | 347,750,106 | 357,821,751 | 371,958,556 | 374,001,377 | 387,094,337 |
| 184 | 347,537,623 | 354,049,228 | 367,100,428 | 363,324,995 | 368,402,336 | 358,961,283 | 365,402,777 |
| 185 | 351,616,486 | 362,688,121 | 362,554,172 | 359,267,287 | 385,323,842 | 367,074,202 | 365,491,711 |
| 186 | 345,854,194 | 349,379,666 | 362,332,724 | 365,686,634 | 369,306,065 | 361,197,513 | 383,016,944 |
| 187 | 356,359,515 | 359,713,249 | 351,267,179 | 360,753,403 | 370,656,796 | 380,070,930 | 388,223,018 |
| 188 | 355,347,905 | 356,750,887 | 331,030,339 | 370,963,982 | 365,154,117 | 386,188,268 | 399,007,576 |
| 189 | 349,052,697 | 361,188,717 | 354,216,405 | 365,080,627 | 371,420,649 | 386,003,609 | 367,389,591 |
| 190 | 338,085,701 | 342,406,812 | 352,288,357 | 363,336,461 | 364,038,306 | 375,594,671 | 392,772,802 |
| 191 | 358,007,653 | 338,364,729 | 360,922,950 | 368,245,029 | 367,469,946 | 380,907,757 | 374,279,419 |
| 192 | 346,304,626 | 369,271,322 | 364,957,133 | 344,102,846 | 359,661,815 | 374,277,235 | 379,394,065 |
| 193 | 338,351,791 | 356,232,167 | 363,070,762 | 356,762,287 | 365,085,514 | 374,139,521 | 366,291,281 |
| 194 | 341,606,123 | 345,659,577 | 361,957,451 | 354,897,284 | 382,493,312 | 365,306,309 | 391,025,605 |
| 195 | 355,186,377 | 355,346,781 | 354,837,591 | 370,369,913 | 369,348,195 | 391,779,482 | 389,134,888 |
| 196 | 352,117,564 | 346,454,908 | 356,421,599 | 367,355,595 | 360,301,876 | 369,421,849 | 370,258,626 |
| 197 | 350,220,954 | 353,586,680 | 359,403,980 | 352,881,658 | 374,086,454 | 372,265,210 | 390,890,311 |
| 198 | 347,541,253 | 348,059,907 | 358,613,811 | 354,754,482 | 368,739,450 | 373,348,208 | 370,519,754 |
| 199 | 347,390,758 | 353,696,918 | 372,473,310 | 364,956,294 | 359,551,339 | 381,144,016 | 375,278,433 |
| 200 | 340,142,333 | 359,210,500 | 358,062,537 | 359,370,582 | 380,913,383 | 376,798,380 | 386,728,670 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total |
|---|---|---|---|---|---|---|---|
| 1 | 388,398,475 | 383,404,911 | 405,582,825 | 406,632,318 | 410,674,269 | 410,845,643 | 7,252,444,759 |
| 2 | 400,889,760 | 399,872,256 | 410,046,552 | 406,968,546 | 420,932,351 | 407,758,060 | 7,274,443,067 |
| 3 | 397,339,276 | 403,367,229 | 395,468,985 | 387,860,219 | 411,973,811 | 404,968,945 | 7,208,868,611 |
| 4 | 385,091,440 | 388,036,006 | 392,915,395 | 389,691,246 | 403,553,925 | 423,833,331 | 7,246,169,260 |
| 5 | 392,872,934 | 385,463,243 | 389,443,179 | 388,892,699 | 428,445,858 | 390,907,274 | 7,206,818,505 |
| 6 | 380,330,810 | 385,000,735 | 389,585,418 | 406,929,627 | 414,973,981 | 408,176,068 | 7,224,215,835 |
| 7 | 364,021,174 | 393,070,785 | 401,638,001 | 420,784,722 | 417,763,709 | 405,257,722 | 7,262,259,088 |
| 8 | 388,778,014 | 390,303,765 | 400,139,695 | 406,897,967 | 419,606,626 | 428,646,401 | 7,239,864,993 |
| 9 | 402,847,932 | 385,968,532 | 391,543,781 | 397,365,204 | 434,941,520 | 407,858,973 | 7,217,133,905 |
| 10 | 374,166,949 | 414,378,571 | 385,181,799 | 418,021,174 | 410,686,261 | 394,765,014 | 7,247,701,044 |
| 11 | 377,933,402 | 411,270,667 | 393,528,859 | 387,897,721 | 402,889,665 | 396,863,523 | 7,175,295,596 |
| 12 | 376,122,074 | 393,188,030 | 397,423,732 | 399,139,801 | 387,535,758 | 412,786,603 | 7,185,667,991 |
| 13 | 403,656,464 | 394,781,394 | 388,907,988 | 406,869,969 | 431,116,383 | 427,198,500 | 7,275,781,168 |
| 14 | 398,925,797 | 390,106,175 | 419,209,110 | 404,192,922 | 403,543,792 | 439,487,772 | 7,239,362,224 |
| 15 | 396,690,793 | 395,796,415 | 402,031,152 | 419,896,339 | 422,805,623 | 429,276,710 | 7,330,048,537 |
| 16 | 392,589,294 | 397,109,574 | 405,238,745 | 400,158,161 | 411,162,018 | 410,866,318 | 7,202,856,318 |
| 17 | 376,913,549 | 393,815,000 | 388,724,201 | 387,780,534 | 410,832,288 | 437,169,536 | 7,233,724,392 |
| 18 | 380,536,982 | 388,335,226 | 410,475,708 | 403,071,123 | 407,184,889 | 431,372,968 | 7,283,200,965 |
| 19 | 380,545,987 | 407,526,661 | 402,953,157 | 401,445,862 | 422,689,730 | 410,869,482 | 7,254,369,226 |
| 20 | 389,069,683 | 389,407,543 | 398,958,738 | 421,872,306 | 433,205,290 | 412,930,051 | 7,298,214,944 |
| 21 | 393,626,676 | 393,272,598 | 396,153,254 | 404,921,212 | 419,811,290 | 423,206,625 | 7,240,105,086 |
| 22 | 397,506,251 | 402,821,597 | 389,317,939 | 405,819,599 | 419,288,668 | 410,106,336 | 7,276,426,360 |
| 23 | 392,400,800 | 389,832,793 | 401,893,641 | 387,789,070 | 402,104,951 | 421,449,106 | 7,277,388,874 |
| 24 | 400,099,405 | 388,366,954 | 382,338,657 | 418,260,617 | 398,788,344 | 404,180,970 | 7,274,392,757 |
| 25 | 391,906,241 | 401,124,599 | 411,472,290 | 386,054,006 | 412,608,064 | 409,178,102 | 7,281,455,429 |
| 26 | 389,318,149 | 400,489,890 | 395,395,024 | 395,608,902 | 394,488,298 | 429,915,074 | 7,274,996,312 |
| 27 | 384,614,742 | 396,103,805 | 382,667,137 | 399,394,354 | 410,051,045 | 420,231,712 | 7,215,745,012 |
| 28 | 385,904,290 | 398,318,519 | 410,324,385 | 411,030,171 | 408,236,233 | 428,279,202 | 7,256,208,792 |
| 29 | 385,475,446 | 398,236,767 | 379,894,452 | 400,566,093 | 395,312,004 | 427,786,826 | 7,236,676,858 |
| 30 | 382,620,608 | 395,070,182 | 384,257,961 | 415,461,799 | 410,522,085 | 428,276,707 | 7,297,356,804 |
| 31 | 387,947,674 | 384,602,871 | 389,246,613 | 404,613,215 | 406,823,195 | 421,047,168 | 7,267,507,758 |
| 32 | 382,851,143 | 391,525,612 | 396,212,510 | 410,428,711 | 413,714,987 | 405,276,999 | 7,258,056,644 |
| 33 | 388,925,077 | 413,688,438 | 399,690,154 | 417,029,861 | 415,726,609 | 424,168,520 | 7,288,758,991 |
| 34 | 393,427,098 | 388,988,259 | 396,566,991 | 419,730,564 | 415,886,517 | 416,254,965 | 7,278,338,476 |
| 35 | 400,267,412 | 386,361,163 | 411,866,678 | 389,747,346 | 393,523,467 | 411,569,383 | 7,216,780,152 |
| 36 | 390,020,985 | 386,803,282 | 411,975,115 | 408,994,967 | 406,296,998 | 412,591,415 | 7,282,889,668 |
| 37 | 401,256,757 | 410,759,704 | 378,871,590 | 412,521,361 | 431,567,920 | 429,300,260 | 7,316,123,697 |
| 38 | 386,316,695 | 401,993,934 | 395,561,895 | 411,553,448 | 413,956,473 | 429,663,217 | 7,282,331,642 |
| 39 | 384,068,020 | 411,066,519 | 386,192,991 | 416,292,728 | 431,008,856 | 418,344,379 | 7,223,977,750 |
| 40 | 400,980,789 | 379,718,607 | 391,572,015 | 402,911,513 | 426,355,204 | 427,251,112 | 7,241,627,476 |
| 41 | 384,731,288 | 391,591,578 | 424,699,846 | 399,258,104 | 414,604,417 | 423,632,436 | 7,255,625,671 |
| 42 | 391,600,678 | 383,748,752 | 401,526,130 | 390,886,302 | 407,450,573 | 409,224,057 | 7,225,390,565 |
| 43 | 402,038,783 | 399,513,879 | 404,424,230 | 409,972,461 | 412,025,609 | 441,723,605 | 7,338,806,228 |
| 44 | 383,746,173 | 394,612,433 | 402,331,189 | 404,138,689 | 400,382,352 | 414,751,741 | 7,264,793,477 |
| 45 | 391,879,276 | 385,273,743 | 400,940,218 | 423,113,060 | 423,342,186 | 433,541,088 | 7,290,390,252 |
| 46 | 396,257,546 | 404,655,684 | 406,986,826 | 409,954,796 | 388,536,159 | 419,052,674 | 7,301,987,672 |
| 47 | 358,718,854 | 392,205,335 | 398,667,989 | 401,259,987 | 398,225,539 | 407,806,488 | 7,150,970,616 |
| 48 | 390,373,980 | 392,140,389 | 412,458,102 | 402,768,810 | 429,543,711 | 426,072,529 | 7,357,726,850 |
| 49 | 384,826,694 | 393,886,886 | 401,992,747 | 409,432,881 | 416,371,434 | 415,362,248 | 7,194,035,530 |
| 50 | 391,984,592 | 393,284,947 | 410,588,593 | 402,239,903 | 425,446,251 | 407,068,102 | 7,296,548,620 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total |
|---|---|---|---|---|---|---|---|
| 51 | 396,448,018 | 402,195,449 | 403,794,403 | 412,270,102 | 401,244,468 | 408,761,506 | 7,244,982,839 |
| 52 | 391,299,348 | 404,199,761 | 415,176,651 | 402,665,303 | 403,186,512 | 408,040,916 | 7,283,271,736 |
| 53 | 389,473,154 | 393,451,371 | 393,560,766 | 429,164,951 | 412,520,749 | 416,401,758 | 7,201,591,167 |
| 54 | 375,517,957 | 386,394,134 | 395,101,808 | 406,879,140 | 415,264,352 | 435,005,941 | 7,281,473,772 |
| 55 | 405,149,837 | 388,475,630 | 393,294,247 | 401,198,805 | 408,615,474 | 413,094,239 | 7,214,076,213 |
| 56 | 378,250,728 | 384,725,734 | 403,813,109 | 413,392,888 | 411,674,638 | 417,720,024 | 7,266,539,810 |
| 57 | 388,618,325 | 398,312,332 | 400,291,156 | 405,972,416 | 409,187,247 | 435,686,427 | 7,223,590,965 |
| 58 | 372,983,191 | 388,234,636 | 384,290,430 | 406,228,235 | 410,978,232 | 428,612,525 | 7,227,761,039 |
| 59 | 377,317,070 | 376,933,110 | 408,425,759 | 408,276,161 | 412,864,461 | 409,998,841 | 7,235,511,542 |
| 60 | 373,503,832 | 387,236,114 | 418,708,270 | 419,918,372 | 419,631,078 | 408,628,333 | 7,244,111,770 |
| 61 | 373,392,938 | 392,875,643 | 397,781,372 | 402,726,159 | 418,124,780 | 414,229,584 | 7,231,962,569 |
| 62 | 406,879,385 | 387,508,155 | 401,288,367 | 424,043,684 | 409,914,575 | 419,674,511 | 7,292,223,950 |
| 63 | 376,942,982 | 391,450,744 | 405,501,160 | 412,324,289 | 401,383,178 | 435,805,575 | 7,248,442,301 |
| 64 | 399,439,679 | 384,309,595 | 395,705,545 | 403,865,274 | 418,143,676 | 409,465,812 | 7,245,525,567 |
| 65 | 389,597,614 | 393,343,444 | 391,853,554 | 407,999,538 | 399,156,414 | 402,586,290 | 7,312,834,853 |
| 66 | 378,470,693 | 380,532,126 | 394,958,868 | 398,831,774 | 410,363,015 | 403,018,529 | 7,132,419,153 |
| 67 | 389,318,922 | 393,760,159 | 398,749,883 | 416,333,739 | 422,049,119 | 424,097,025 | 7,308,440,129 |
| 68 | 384,035,168 | 395,054,116 | 388,233,568 | 403,979,208 | 425,549,620 | 419,396,823 | 7,245,187,296 |
| 69 | 378,845,756 | 396,743,296 | 383,504,243 | 405,897,766 | 403,065,529 | 410,349,625 | 7,127,101,949 |
| 70 | 386,047,750 | 394,802,026 | 404,505,557 | 404,319,550 | 422,582,860 | 418,350,649 | 7,305,876,110 |
| 71 | 404,966,467 | 402,663,487 | 393,767,350 | 405,430,966 | 409,481,599 | 423,272,356 | 7,295,142,368 |
| 72 | 405,718,618 | 398,992,950 | 406,905,427 | 408,322,421 | 411,095,189 | 413,935,010 | 7,283,780,520 |
| 73 | 383,263,861 | 412,326,962 | 394,623,282 | 395,056,945 | 417,568,680 | 418,587,201 | 7,240,445,567 |
| 74 | 393,638,476 | 382,105,904 | 417,125,582 | 395,426,467 | 420,911,259 | 422,098,149 | 7,298,072,935 |
| 75 | 390,508,580 | 382,635,114 | 380,449,151 | 410,492,249 | 399,000,964 | 407,897,444 | 7,241,559,924 |
| 76 | 396,483,055 | 382,152,602 | 395,659,478 | 389,741,617 | 420,726,621 | 423,277,124 | 7,269,249,694 |
| 77 | 389,023,001 | 411,199,220 | 398,552,503 | 408,429,659 | 401,486,444 | 439,650,601 | 7,335,430,126 |
| 78 | 368,281,098 | 407,550,183 | 400,956,658 | 416,940,833 | 403,386,915 | 429,126,795 | 7,359,941,984 |
| 79 | 388,597,841 | 383,750,674 | 402,351,087 | 413,215,688 | 418,478,625 | 414,929,069 | 7,245,303,631 |
| 80 | 393,626,837 | 402,737,292 | 416,154,779 | 406,248,111 | 414,479,164 | 408,814,194 | 7,266,978,835 |
| 81 | 395,513,220 | 407,220,302 | 392,497,824 | 413,048,205 | 418,019,288 | 402,072,795 | 7,274,193,629 |
| 82 | 392,677,453 | 397,151,432 | 399,685,406 | 390,391,075 | 404,899,420 | 424,872,418 | 7,238,828,075 |
| 83 | 372,370,569 | 389,131,486 | 373,118,427 | 409,805,555 | 406,550,412 | 415,661,502 | 7,175,395,157 |
| 84 | 373,264,358 | 391,300,461 | 388,989,173 | 419,221,786 | 395,518,157 | 400,396,870 | 7,208,413,594 |
| 85 | 376,330,959 | 389,955,828 | 404,407,258 | 402,580,166 | 408,236,605 | 412,023,107 | 7,197,185,657 |
| 86 | 386,292,948 | 392,806,763 | 393,558,102 | 409,708,182 | 409,885,147 | 438,373,049 | 7,265,467,444 |
| 87 | 390,182,008 | 401,533,787 | 393,287,060 | 405,156,268 | 422,969,548 | 405,677,926 | 7,292,289,204 |
| 88 | 388,737,111 | 394,733,676 | 390,470,907 | 407,096,266 | 417,707,216 | 436,722,290 | 7,258,328,790 |
| 89 | 402,725,032 | 399,450,521 | 389,888,609 | 403,003,778 | 408,857,935 | 416,951,494 | 7,280,303,548 |
| 90 | 407,678,663 | 392,114,938 | 390,056,159 | 403,282,678 | 404,524,135 | 415,943,782 | 7,283,059,182 |
| 91 | 383,086,618 | 395,934,371 | 398,943,435 | 395,978,126 | 407,930,685 | 417,385,232 | 7,241,411,771 |
| 92 | 390,236,817 | 400,654,878 | 399,143,089 | 404,520,742 | 408,455,327 | 417,539,176 | 7,286,392,173 |
| 93 | 395,318,992 | 398,906,096 | 393,621,217 | 417,548,696 | 422,186,485 | 431,044,735 | 7,313,049,372 |
| 94 | 390,225,612 | 397,456,528 | 403,716,517 | 398,918,570 | 401,766,318 | 427,286,716 | 7,325,330,692 |
| 95 | 399,334,784 | 400,158,293 | 387,496,856 | 412,818,755 | 400,027,090 | 425,582,916 | 7,280,749,146 |
| 96 | 377,369,222 | 411,445,081 | 427,216,745 | 410,756,874 | 416,519,772 | 402,801,662 | 7,254,778,291 |
| 97 | 384,390,481 | 416,048,512 | 425,629,835 | 416,288,025 | 423,967,187 | 429,305,331 | 7,339,620,081 |
| 98 | 392,431,469 | 402,509,169 | 404,174,126 | 414,084,452 | 415,324,956 | 416,049,381 | 7,308,703,254 |
| 99 | 392,541,859 | 390,882,765 | 389,587,906 | 399,049,994 | 429,059,006 | 413,913,323 | 7,277,449,757 |
| 100 | 387,763,154 | 399,814,101 | 404,520,169 | 407,762,256 | 407,695,219 | 414,818,715 | 7,240,680,283 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total |
|---|---|---|---|---|---|---|---|
| 101 | 406,995,428 | 379,233,861 | 400,251,361 | 406,852,413 | 428,468,882 | 425,882,037 | 7,276,213,516 |
| 102 | 388,291,665 | 396,707,938 | 394,142,424 | 393,973,519 | 412,645,919 | 423,575,806 | 7,234,428,155 |
| 103 | 379,137,210 | 376,789,130 | 399,303,988 | 418,856,149 | 405,780,008 | 404,925,916 | 7,217,577,400 |
| 104 | 387,953,583 | 394,592,198 | 379,126,430 | 393,511,482 | 405,685,391 | 417,811,825 | 7,208,654,406 |
| 105 | 391,534,973 | 402,528,444 | 411,718,540 | 403,356,670 | 406,159,738 | 425,507,981 | 7,268,422,773 |
| 106 | 381,568,333 | 378,375,832 | 408,258,769 | 376,681,169 | 412,597,636 | 414,552,998 | 7,167,166,621 |
| 107 | 379,394,429 | 380,177,321 | 397,800,062 | 405,410,063 | 402,721,265 | 404,900,612 | 7,178,708,360 |
| 108 | 383,181,827 | 412,484,394 | 412,868,033 | 406,961,771 | 428,810,341 | 427,790,507 | 7,321,100,364 |
| 109 | 383,825,172 | 405,743,176 | 399,446,456 | 411,080,233 | 414,438,536 | 425,836,379 | 7,310,389,833 |
| 110 | 396,150,307 | 387,871,378 | 397,485,588 | 415,159,653 | 422,524,605 | 414,825,705 | 7,315,031,269 |
| 111 | 386,245,691 | 413,115,996 | 393,676,327 | 401,867,628 | 413,160,659 | 398,711,009 | 7,206,651,481 |
| 112 | 397,844,509 | 398,586,243 | 392,273,151 | 411,467,397 | 428,327,224 | 416,115,072 | 7,265,941,981 |
| 113 | 390,197,831 | 397,619,243 | 407,129,794 | 404,863,374 | 393,083,666 | 425,792,145 | 7,286,528,548 |
| 114 | 394,982,480 | 399,534,026 | 401,840,686 | 400,463,386 | 414,334,992 | 408,522,668 | 7,254,165,909 |
| 115 | 390,642,516 | 385,890,295 | 398,558,564 | 395,372,222 | 414,902,662 | 414,175,354 | 7,204,968,119 |
| 116 | 396,135,581 | 404,548,757 | 392,076,499 | 390,568,745 | 390,709,803 | 414,971,248 | 7,281,120,109 |
| 117 | 405,535,326 | 400,444,765 | 401,087,803 | 391,618,827 | 437,302,884 | 399,485,899 | 7,301,551,325 |
| 118 | 401,075,055 | 386,321,441 | 396,734,261 | 420,638,668 | 401,486,714 | 425,985,783 | 7,280,263,701 |
| 119 | 385,679,415 | 370,264,141 | 410,873,797 | 396,389,300 | 403,184,660 | 420,052,823 | 7,203,490,177 |
| 120 | 403,281,964 | 394,352,055 | 373,096,050 | 411,957,829 | 413,689,867 | 405,109,992 | 7,216,578,944 |
| 121 | 390,508,092 | 387,984,687 | 403,045,865 | 413,568,249 | 399,094,367 | 427,918,209 | 7,250,600,318 |
| 122 | 375,517,905 | 404,838,605 | 405,865,740 | 400,982,901 | 424,588,557 | 419,221,579 | 7,225,712,114 |
| 123 | 381,060,351 | 384,548,474 | 386,978,438 | 391,257,211 | 411,716,652 | 413,732,662 | 7,209,180,979 |
| 124 | 388,287,589 | 389,132,019 | 402,901,438 | 416,235,990 | 402,104,658 | 410,079,689 | 7,260,410,264 |
| 125 | 386,667,365 | 379,491,979 | 409,858,785 | 401,972,197 | 408,336,189 | 417,993,955 | 7,211,178,295 |
| 126 | 395,350,054 | 390,458,960 | 399,892,048 | 404,414,889 | 407,865,779 | 422,464,966 | 7,263,805,019 |
| 127 | 387,256,022 | 391,126,104 | 380,599,083 | 403,362,768 | 395,906,398 | 433,647,950 | 7,240,054,506 |
| 128 | 404,626,659 | 382,846,859 | 400,148,040 | 407,995,224 | 400,594,521 | 427,836,843 | 7,240,029,397 |
| 129 | 387,427,736 | 412,909,811 | 401,073,171 | 410,943,687 | 420,074,757 | 414,568,633 | 7,304,734,800 |
| 130 | 377,720,324 | 388,170,937 | 391,463,432 | 387,469,831 | 404,461,369 | 420,650,325 | 7,156,762,982 |
| 131 | 392,686,641 | 378,421,861 | 409,576,766 | 402,199,063 | 398,315,793 | 418,641,327 | 7,218,787,072 |
| 132 | 393,959,021 | 394,939,005 | 420,613,749 | 394,799,307 | 413,144,097 | 422,980,472 | 7,249,061,757 |
| 133 | 377,352,377 | 399,870,177 | 392,853,519 | 408,999,476 | 404,777,871 | 433,349,735 | 7,265,261,153 |
| 134 | 405,056,296 | 389,470,664 | 392,790,178 | 409,656,078 | 417,163,434 | 407,667,020 | 7,263,531,158 |
| 135 | 379,044,412 | 403,328,018 | 404,032,067 | 401,793,674 | 424,689,082 | 418,471,358 | 7,299,662,953 |
| 136 | 392,557,226 | 386,197,674 | 408,220,341 | 408,486,603 | 414,083,695 | 411,962,043 | 7,299,454,438 |
| 137 | 392,458,702 | 396,178,902 | 397,498,145 | 394,095,327 | 421,791,685 | 419,053,095 | 7,251,439,651 |
| 138 | 383,556,661 | 376,505,839 | 416,949,872 | 408,832,009 | 415,223,406 | 423,851,581 | 7,245,880,161 |
| 139 | 395,761,216 | 396,679,641 | 380,843,502 | 391,072,835 | 405,397,292 | 405,475,848 | 7,228,027,672 |
| 140 | 371,713,336 | 387,612,402 | 393,109,774 | 412,603,984 | 404,904,870 | 435,043,612 | 7,228,016,160 |
| 141 | 382,078,061 | 386,940,703 | 392,095,731 | 430,496,862 | 416,162,290 | 408,773,720 | 7,289,948,184 |
| 142 | 400,430,516 | 391,690,357 | 402,604,036 | 400,175,926 | 405,684,805 | 407,878,604 | 7,249,166,860 |
| 143 | 384,078,842 | 395,633,662 | 400,519,048 | 397,307,941 | 417,127,227 | 414,996,516 | 7,235,554,431 |
| 144 | 403,729,013 | 385,593,373 | 396,328,440 | 394,076,536 | 393,747,472 | 418,933,233 | 7,241,805,158 |
| 145 | 396,502,650 | 390,967,484 | 393,754,488 | 419,005,097 | 428,304,819 | 432,358,366 | 7,331,874,012 |
| 146 | 392,037,527 | 389,996,047 | 402,763,889 | 410,181,287 | 416,678,456 | 418,858,325 | 7,259,393,150 |
| 147 | 397,383,693 | 393,611,178 | 405,156,474 | 389,898,039 | 420,409,584 | 405,687,005 | 7,240,582,118 |
| 148 | 376,925,004 | 386,268,570 | 396,047,859 | 396,620,907 | 410,870,696 | 432,235,505 | 7,244,574,173 |
| 149 | 401,807,032 | 387,125,629 | 396,671,006 | 400,486,465 | 411,285,702 | 412,348,346 | 7,280,297,302 |
| 150 | 383,393,393 | 405,071,159 | 386,344,677 | 402,816,983 | 399,910,614 | 418,426,091 | 7,268,156,118 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total |
|---|---|---|---|---|---|---|---|
| 151 | 396,230,058 | 410,719,832 | 396,439,358 | 406,845,641 | 409,687,644 | 407,184,570 | 7,272,729,780 |
| 152 | 375,600,683 | 385,399,952 | 398,613,812 | 410,018,964 | 421,434,542 | 423,913,421 | 7,228,228,626 |
| 153 | 391,882,171 | 386,285,436 | 399,217,561 | 402,476,343 | 417,704,664 | 413,281,755 | 7,239,136,678 |
| 154 | 370,525,492 | 375,695,477 | 405,230,219 | 406,362,032 | 401,459,555 | 426,719,338 | 7,176,492,264 |
| 155 | 379,829,710 | 413,038,099 | 396,951,962 | 398,975,236 | 421,424,909 | 419,512,081 | 7,222,558,322 |
| 156 | 390,539,969 | 378,331,563 | 379,424,098 | 408,138,968 | 413,189,084 | 425,239,865 | 7,244,757,064 |
| 157 | 383,364,200 | 370,218,447 | 395,681,932 | 400,821,517 | 407,722,425 | 410,358,755 | 7,189,965,392 |
| 158 | 386,036,469 | 384,635,672 | 393,073,211 | 412,956,249 | 397,370,743 | 429,242,672 | 7,276,731,478 |
| 159 | 385,074,145 | 402,066,776 | 399,415,250 | 404,953,682 | 410,372,376 | 414,698,274 | 7,209,522,847 |
| 160 | 391,783,968 | 388,394,954 | 380,597,945 | 387,166,785 | 418,200,552 | 399,865,793 | 7,224,520,940 |
| 161 | 394,939,408 | 386,975,898 | 401,499,745 | 418,218,205 | 400,517,952 | 418,157,100 | 7,288,161,300 |
| 162 | 378,079,809 | 394,085,039 | 380,836,195 | 418,405,957 | 413,507,434 | 417,687,987 | 7,229,773,143 |
| 163 | 398,206,015 | 393,076,411 | 391,370,513 | 394,606,307 | 407,430,859 | 406,220,953 | 7,186,801,447 |
| 164 | 396,934,377 | 376,869,124 | 404,850,594 | 398,394,496 | 409,124,198 | 407,734,142 | 7,216,242,658 |
| 165 | 402,108,860 | 384,342,752 | 392,046,044 | 403,393,938 | 420,672,868 | 402,767,655 | 7,240,809,194 |
| 166 | 392,279,505 | 395,032,126 | 401,305,770 | 388,346,809 | 412,194,706 | 412,101,621 | 7,245,256,130 |
| 167 | 410,266,771 | 403,459,305 | 412,760,003 | 407,762,955 | 398,085,694 | 431,933,756 | 7,281,462,009 |
| 168 | 395,502,044 | 390,529,802 | 413,694,438 | 403,359,065 | 401,823,358 | 411,404,618 | 7,233,584,053 |
| 169 | 386,940,193 | 405,352,257 | 396,404,625 | 415,921,956 | 421,016,479 | 424,523,598 | 7,339,899,265 |
| 170 | 386,652,354 | 398,140,590 | 401,411,869 | 415,767,272 | 404,495,095 | 411,079,017 | 7,314,773,515 |
| 171 | 395,192,027 | 398,835,342 | 394,351,174 | 398,554,667 | 406,449,445 | 424,482,128 | 7,231,962,284 |
| 172 | 402,745,521 | 385,300,095 | 396,564,431 | 410,527,423 | 404,531,340 | 414,566,492 | 7,257,283,509 |
| 173 | 380,155,388 | 388,978,729 | 398,175,223 | 402,729,259 | 414,228,138 | 410,768,076 | 7,246,906,738 |
| 174 | 383,311,278 | 404,459,049 | 407,874,500 | 403,393,366 | 415,264,069 | 427,383,272 | 7,293,016,894 |
| 175 | 385,769,882 | 389,170,300 | 402,672,644 | 390,547,586 | 402,707,361 | 415,618,621 | 7,250,863,937 |
| 176 | 395,870,031 | 391,281,378 | 419,171,426 | 400,960,314 | 424,558,446 | 420,691,139 | 7,234,608,171 |
| 177 | 380,637,079 | 403,357,320 | 411,726,390 | 405,527,284 | 398,026,786 | 416,151,651 | 7,264,085,996 |
| 178 | 381,145,244 | 382,847,521 | 405,030,704 | 404,791,075 | 416,349,404 | 409,511,511 | 7,241,541,028 |
| 179 | 393,054,559 | 397,289,319 | 395,518,889 | 393,427,967 | 400,197,825 | 427,585,924 | 7,247,791,578 |
| 180 | 388,564,240 | 393,663,480 | 398,595,713 | 417,411,058 | 409,883,258 | 414,245,555 | 7,257,177,967 |
| 181 | 392,606,355 | 401,098,034 | 401,323,216 | 388,968,868 | 404,462,321 | 407,905,100 | 7,248,191,229 |
| 182 | 381,610,139 | 396,374,489 | 404,055,107 | 405,602,135 | 424,089,524 | 403,952,058 | 7,212,700,857 |
| 183 | 380,155,010 | 391,913,417 | 413,499,310 | 410,290,611 | 414,376,665 | 406,953,892 | 7,198,438,180 |
| 184 | 384,588,191 | 391,923,557 | 387,396,969 | 381,791,458 | 395,450,649 | 404,152,476 | 7,132,857,358 |
| 185 | 391,914,516 | 384,056,390 | 415,028,735 | 411,423,221 | 414,626,863 | 433,025,058 | 7,316,114,200 |
| 186 | 392,441,102 | 387,559,947 | 402,521,258 | 399,239,527 | 407,677,663 | 408,134,609 | 7,224,992,052 |
| 187 | 390,592,409 | 397,762,169 | 393,447,470 | 404,500,898 | 401,873,937 | 404,242,961 | 7,292,466,923 |
| 188 | 405,175,940 | 396,819,592 | 398,213,320 | 412,630,978 | 412,446,532 | 428,329,260 | 7,328,639,302 |
| 189 | 392,206,255 | 398,650,690 | 389,538,645 | 415,453,468 | 399,325,934 | 409,190,803 | 7,251,125,249 |
| 190 | 385,714,420 | 404,621,416 | 401,152,349 | 388,688,570 | 406,188,412 | 418,850,685 | 7,202,181,710 |
| 191 | 377,254,293 | 405,470,489 | 386,082,669 | 408,666,943 | 415,786,485 | 424,952,934 | 7,238,488,171 |
| 192 | 375,036,219 | 414,708,363 | 397,394,637 | 395,027,187 | 420,480,933 | 417,478,453 | 7,215,390,771 |
| 193 | 399,996,317 | 394,557,030 | 408,268,517 | 418,535,557 | 415,171,063 | 430,997,035 | 7,279,487,938 |
| 194 | 395,669,742 | 392,642,459 | 394,057,358 | 401,907,876 | 416,904,953 | 421,760,492 | 7,272,596,474 |
| 195 | 380,036,694 | 395,986,294 | 388,633,347 | 414,418,016 | 415,661,107 | 406,527,753 | 7,253,368,177 |
| 196 | 383,479,409 | 395,191,264 | 392,557,578 | 416,904,646 | 408,149,310 | 414,246,834 | 7,232,777,079 |
| 197 | 383,755,914 | 392,782,113 | 384,048,438 | 405,822,027 | 418,616,212 | 427,997,167 | 7,275,295,456 |
| 198 | 394,954,126 | 385,439,885 | 410,436,437 | 390,841,396 | 406,125,746 | 417,087,680 | 7,184,860,405 |
| 199 | 376,525,559 | 400,794,392 | 418,182,376 | 413,712,916 | 421,940,078 | 417,207,120 | 7,295,788,397 |
| 200 | 400,297,950 | 403,941,210 | 414,382,788 | 412,832,770 | 402,825,738 | 403,439,026 | 7,319,441,344 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 1 | 151,296,909 | 153,800,627 | 156,990,442 | 158,388,297 | 163,632,918 | 169,344,724 | 170,634,604 |
| 2 | 148,411,490 | 158,034,245 | 154,117,660 | 163,687,099 | 162,462,941 | 164,310,701 | 178,665,839 |
| 3 | 147,251,783 | 152,017,661 | 152,581,125 | 163,046,371 | 163,921,554 | 166,264,063 | 175,470,006 |
| 4 | 150,552,204 | 154,742,836 | 150,421,472 | 157,651,412 | 165,173,863 | 170,061,606 | 166,911,479 |
| 5 | 152,881,091 | 156,074,928 | 152,600,273 | 160,598,403 | 163,241,491 | 169,368,891 | 171,354,798 |
| 6 | 147,553,525 | 157,311,318 | 152,195,931 | 161,388,831 | 166,132,600 | 171,031,806 | 173,053,980 |
| 7 | 152,198,448 | 157,147,136 | 151,591,258 | 163,969,932 | 164,190,193 | 173,965,644 | 170,937,375 |
| 8 | 150,983,509 | 155,774,007 | 153,090,918 | 157,981,969 | 163,961,690 | 169,182,669 | 169,777,581 |
| 9 | 147,379,682 | 154,303,233 | 150,233,385 | 159,099,896 | 161,226,107 | 169,331,374 | 167,552,845 |
| 10 | 147,214,335 | 156,962,112 | 156,953,417 | 160,646,963 | 166,222,500 | 166,502,260 | 169,984,748 |
| 11 | 149,019,729 | 155,623,726 | 151,805,372 | 162,232,098 | 163,628,472 | 164,663,362 | 168,748,787 |
| 12 | 145,687,599 | 158,790,890 | 155,205,688 | 159,732,340 | 163,488,893 | 164,647,647 | 166,263,487 |
| 13 | 149,199,300 | 155,137,926 | 156,530,578 | 157,653,051 | 163,752,032 | 165,277,015 | 171,373,216 |
| 14 | 145,374,635 | 154,496,217 | 149,452,574 | 163,210,067 | 163,682,700 | 167,864,492 | 170,582,228 |
| 15 | 155,080,163 | 155,268,609 | 158,106,650 | 159,020,281 | 164,423,755 | 171,891,577 | 171,844,758 |
| 16 | 144,048,313 | 154,204,828 | 151,876,329 | 157,128,041 | 161,315,480 | 166,473,771 | 164,424,631 |
| 17 | 151,313,583 | 157,978,301 | 157,443,220 | 160,484,030 | 165,884,196 | 167,033,625 | 168,764,234 |
| 18 | 151,484,036 | 154,156,711 | 154,084,332 | 163,425,794 | 163,970,811 | 168,325,109 | 170,046,817 |
| 19 | 148,653,193 | 155,204,154 | 149,442,241 | 163,021,828 | 162,939,682 | 166,258,413 | 171,556,213 |
| 20 | 147,170,627 | 157,558,804 | 150,569,326 | 162,072,455 | 166,682,872 | 172,900,349 | 173,157,564 |
| 21 | 149,617,015 | 155,796,918 | 155,162,464 | 158,197,750 | 164,581,792 | 164,836,956 | 172,674,164 |
| 22 | 147,494,543 | 153,609,464 | 155,150,937 | 160,253,650 | 161,389,598 | 165,413,742 | 171,747,521 |
| 23 | 154,489,212 | 158,522,653 | 157,506,610 | 160,507,092 | 172,019,324 | 166,100,426 | 171,786,365 |
| 24 | 150,534,775 | 155,455,001 | 158,429,892 | 163,451,196 | 169,053,502 | 165,243,112 | 170,561,445 |
| 25 | 148,661,858 | 160,010,388 | 158,083,124 | 162,926,388 | 168,212,419 | 170,436,550 | 170,355,087 |
| 26 | 150,505,047 | 156,507,785 | 157,172,219 | 163,176,241 | 166,173,205 | 171,530,225 | 170,571,250 |
| 27 | 148,111,334 | 156,463,253 | 154,792,631 | 160,548,156 | 161,307,674 | 169,789,277 | 166,483,579 |
| 28 | 148,872,200 | 153,526,713 | 157,711,596 | 158,880,656 | 166,561,698 | 164,551,651 | 168,119,270 |
| 29 | 150,986,631 | 157,783,113 | 149,166,666 | 156,972,229 | 166,104,677 | 167,692,098 | 170,884,688 |
| 30 | 147,778,218 | 155,413,792 | 155,547,982 | 156,379,893 | 168,043,339 | 168,142,401 | 167,744,595 |
| 31 | 148,996,723 | 155,259,079 | 155,248,712 | 164,285,278 | 165,387,964 | 171,639,700 | 173,155,538 |
| 32 | 148,752,007 | 156,491,488 | 151,587,056 | 159,761,379 | 164,706,178 | 170,963,154 | 167,077,332 |
| 33 | 149,417,824 | 155,884,845 | 159,743,799 | 158,460,056 | 162,599,013 | 166,169,248 | 167,917,790 |
| 34 | 151,094,301 | 156,485,828 | 152,742,875 | 157,958,148 | 166,496,504 | 168,796,551 | 167,508,020 |
| 35 | 149,476,630 | 153,951,980 | 154,619,554 | 164,575,603 | 167,292,922 | 162,972,926 | 171,910,463 |
| 36 | 150,496,696 | 158,248,961 | 151,461,449 | 161,538,278 | 166,375,086 | 165,877,561 | 173,800,063 |
| 37 | 148,669,997 | 152,738,729 | 153,866,828 | 159,406,385 | 168,486,447 | 169,126,766 | 163,562,859 |
| 38 | 150,353,692 | 157,548,999 | 150,600,442 | 159,886,047 | 161,395,577 | 164,740,357 | 168,218,210 |
| 39 | 149,752,667 | 155,952,076 | 150,890,609 | 163,421,080 | 162,814,567 | 164,784,241 | 171,642,555 |
| 40 | 150,119,331 | 152,419,176 | 156,736,841 | 160,090,364 | 158,974,077 | 163,271,482 | 167,361,600 |
| 41 | 148,170,870 | 156,127,576 | 152,935,222 | 160,419,638 | 165,727,456 | 163,369,975 | 167,003,495 |
| 42 | 146,912,399 | 152,149,396 | 151,618,841 | 159,688,215 | 166,836,444 | 168,359,486 | 169,252,545 |
| 43 | 151,784,873 | 164,028,771 | 151,339,638 | 163,414,139 | 164,984,311 | 166,583,538 | 170,465,723 |
| 44 | 150,106,672 | 155,293,526 | 152,627,276 | 159,142,097 | 167,195,126 | 168,194,716 | 167,818,997 |
| 45 | 148,887,072 | 157,570,498 | 151,532,613 | 162,222,049 | 164,851,463 | 168,169,044 | 165,483,900 |
| 46 | 151,354,231 | 158,314,167 | 158,551,403 | 161,931,168 | 169,526,043 | 169,705,577 | 170,267,379 |
| 47 | 145,188,226 | 158,274,161 | 152,177,575 | 166,237,408 | 158,343,920 | 164,248,503 | 166,855,310 |
| 48 | 148,544,481 | 158,461,226 | 157,437,273 | 164,310,543 | 161,449,070 | 174,896,133 | 173,781,766 |
| 49 | 149,391,303 | 152,754,563 | 151,445,378 | 159,228,153 | 164,945,356 | 170,326,646 | 172,543,910 |
| 50 | 153,163,188 | 154,986,330 | 154,205,805 | 158,277,046 | 169,112,413 | 169,498,599 | 171,166,854 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 51 | 150,989,668 | 160,055,311 | 148,729,535 | 165,676,330 | 164,304,563 | 172,201,575 | 167,335,955 |
| 52 | 148,942,605 | 157,195,883 | 155,608,929 | 161,142,838 | 169,191,484 | 168,769,945 | 168,684,097 |
| 53 | 143,564,234 | 157,711,376 | 157,935,312 | 157,832,640 | 161,161,634 | 162,500,978 | 168,608,555 |
| 54 | 154,512,813 | 157,466,225 | 152,720,255 | 156,982,792 | 166,586,433 | 170,367,393 | 167,086,243 |
| 55 | 147,628,504 | 157,536,026 | 155,702,877 | 158,264,819 | 160,638,172 | 169,848,229 | 169,741,267 |
| 56 | 147,342,776 | 157,587,138 | 152,292,783 | 163,076,062 | 159,156,665 | 171,076,703 | 171,991,168 |
| 57 | 142,779,099 | 156,656,352 | 153,588,886 | 161,673,154 | 168,060,627 | 165,523,808 | 169,404,679 |
| 58 | 148,463,202 | 156,924,518 | 152,403,743 | 165,656,656 | 163,367,676 | 163,427,351 | 176,463,897 |
| 59 | 147,442,851 | 156,514,225 | 155,495,608 | 158,929,119 | 162,501,087 | 168,594,484 | 165,135,388 |
| 60 | 148,654,300 | 154,902,056 | 155,956,165 | 162,474,117 | 165,679,487 | 165,386,459 | 166,039,757 |
| 61 | 150,113,723 | 156,253,150 | 156,266,927 | 159,787,604 | 166,322,847 | 171,002,613 | 172,011,450 |
| 62 | 150,497,133 | 157,018,962 | 154,101,518 | 157,509,002 | 162,538,743 | 165,934,767 | 169,984,413 |
| 63 | 149,485,274 | 158,518,168 | 154,932,811 | 162,531,851 | 161,520,029 | 167,329,030 | 170,012,759 |
| 64 | 155,712,023 | 157,909,563 | 152,836,573 | 163,972,456 | 162,753,211 | 166,776,197 | 162,219,385 |
| 65 | 153,751,629 | 159,308,330 | 153,482,674 | 164,317,422 | 162,902,539 | 169,593,820 | 175,903,750 |
| 66 | 147,121,393 | 155,403,248 | 153,702,924 | 159,796,636 | 161,767,467 | 164,328,786 | 167,085,874 |
| 67 | 147,957,741 | 153,870,954 | 155,711,093 | 161,203,494 | 168,166,889 | 169,675,885 | 164,495,598 |
| 68 | 151,187,134 | 153,583,915 | 149,951,556 | 163,726,051 | 161,062,974 | 165,891,089 | 173,633,084 |
| 69 | 148,217,366 | 153,201,232 | 152,342,372 | 162,292,086 | 161,570,412 | 167,153,022 | 170,452,861 |
| 70 | 147,868,926 | 155,251,549 | 156,544,536 | 163,719,503 | 167,229,402 | 164,488,461 | 167,399,332 |
| 71 | 151,923,887 | 155,666,205 | 150,710,120 | 162,086,213 | 169,477,595 | 166,844,456 | 166,680,718 |
| 72 | 148,130,271 | 156,062,978 | 159,032,049 | 160,649,864 | 163,860,714 | 166,264,359 | 165,680,563 |
| 73 | 150,415,668 | 157,062,339 | 154,664,225 | 158,277,309 | 164,045,971 | 167,888,871 | 168,006,809 |
| 74 | 146,267,957 | 159,779,477 | 152,743,541 | 160,642,585 | 165,627,536 | 164,315,444 | 174,142,299 |
| 75 | 149,195,921 | 154,559,060 | 156,961,418 | 158,986,438 | 165,829,411 | 167,085,628 | 173,773,142 |
| 76 | 149,166,979 | 157,789,673 | 153,040,974 | 159,012,795 | 165,000,873 | 167,720,693 | 174,387,564 |
| 77 | 148,628,216 | 155,324,476 | 153,371,191 | 164,521,100 | 168,764,692 | 167,000,701 | 170,193,249 |
| 78 | 154,011,313 | 156,477,673 | 156,130,865 | 163,857,083 | 165,626,199 | 169,537,454 | 173,722,142 |
| 79 | 148,653,509 | 154,026,463 | 151,067,683 | 162,691,449 | 164,333,972 | 167,851,786 | 169,265,089 |
| 80 | 146,871,815 | 158,566,390 | 155,770,530 | 159,766,398 | 165,152,049 | 166,904,489 | 171,481,425 |
| 81 | 144,680,493 | 151,655,536 | 156,796,485 | 161,507,583 | 163,621,396 | 167,879,926 | 171,408,539 |
| 82 | 147,455,545 | 154,769,937 | 151,109,604 | 164,630,623 | 167,989,395 | 165,397,403 | 169,206,822 |
| 83 | 148,129,061 | 155,239,603 | 152,974,499 | 158,933,614 | 171,507,303 | 164,725,455 | 165,310,833 |
| 84 | 147,852,708 | 158,609,013 | 155,849,820 | 162,205,658 | 166,348,162 | 168,978,979 | 167,167,958 |
| 85 | 145,943,255 | 151,399,690 | 152,113,775 | 165,597,019 | 161,114,262 | 165,230,839 | 167,775,996 |
| 86 | 147,917,420 | 159,068,823 | 152,303,860 | 159,511,041 | 164,688,282 | 164,827,338 | 172,863,768 |
| 87 | 149,247,438 | 153,460,374 | 157,568,088 | 160,595,825 | 169,741,396 | 168,127,883 | 170,487,817 |
| 88 | 148,919,445 | 158,024,587 | 157,326,425 | 160,618,894 | 167,498,654 | 163,112,404 | 165,623,752 |
| 89 | 152,648,410 | 157,020,245 | 149,681,004 | 164,879,914 | 166,703,413 | 172,064,365 | 167,585,583 |
| 90 | 147,123,477 | 157,643,673 | 151,303,362 | 162,561,672 | 168,884,426 | 167,886,677 | 167,143,028 |
| 91 | 149,102,166 | 153,927,515 | 153,524,963 | 162,844,714 | 164,149,887 | 163,596,243 | 170,762,740 |
| 92 | 149,243,291 | 158,985,884 | 159,313,511 | 165,760,307 | 165,031,028 | 169,586,093 | 166,269,452 |
| 93 | 152,918,488 | 156,342,143 | 153,891,684 | 156,686,092 | 166,517,888 | 167,408,295 | 173,618,376 |
| 94 | 151,454,380 | 156,833,062 | 151,942,180 | 164,405,891 | 169,695,114 | 167,645,816 | 169,052,733 |
| 95 | 150,753,352 | 158,772,142 | 157,341,406 | 160,049,664 | 164,710,478 | 166,013,449 | 166,819,349 |
| 96 | 147,314,095 | 153,439,723 | 150,943,159 | 158,895,338 | 164,077,495 | 168,413,035 | 164,143,228 |
| 97 | 149,242,654 | 154,409,775 | 155,751,688 | 163,250,381 | 160,271,637 | 165,486,197 | 169,434,953 |
| 98 | 148,183,545 | 156,128,523 | 150,262,584 | 167,635,521 | 158,617,373 | 172,155,963 | 167,476,382 |
| 99 | 150,797,030 | 153,106,821 | 156,105,225 | 161,479,873 | 162,079,493 | 163,806,805 | 168,891,165 |
| 100 | 152,409,745 | 159,237,515 | 151,149,384 | 161,866,322 | 170,642,444 | 164,341,715 | 171,118,371 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 101 | 147,151,697 | 157,970,104 | 154,810,799 | 159,656,415 | 161,201,904 | 165,723,751 | 165,666,479 |
| 102 | 147,449,765 | 155,633,057 | 153,519,113 | 160,344,411 | 164,908,453 | 171,643,654 | 172,761,782 |
| 103 | 149,143,381 | 153,720,106 | 151,414,407 | 160,525,994 | 162,012,763 | 163,122,565 | 166,299,092 |
| 104 | 151,177,704 | 157,860,789 | 150,960,495 | 161,540,667 | 161,337,059 | 167,478,345 | 169,666,265 |
| 105 | 148,613,071 | 160,202,112 | 153,665,038 | 161,767,660 | 163,703,186 | 166,872,459 | 168,682,243 |
| 106 | 145,742,708 | 152,314,525 | 151,464,968 | 163,161,991 | 164,165,763 | 170,479,459 | 169,322,754 |
| 107 | 150,949,618 | 155,054,835 | 150,987,734 | 158,554,874 | 170,452,279 | 164,729,835 | 173,269,204 |
| 108 | 149,555,087 | 160,788,689 | 153,848,181 | 159,482,530 | 164,813,444 | 169,604,235 | 166,009,848 |
| 109 | 149,847,069 | 156,517,428 | 151,799,813 | 161,280,165 | 163,460,620 | 167,840,608 | 172,392,931 |
| 110 | 149,237,633 | 156,565,060 | 154,151,715 | 156,927,367 | 165,297,798 | 166,303,096 | 174,399,851 |
| 111 | 148,792,881 | 155,085,043 | 149,496,188 | 159,982,711 | 167,671,603 | 166,759,394 | 169,117,828 |
| 112 | 152,464,082 | 158,526,852 | 155,990,898 | 156,859,578 | 167,020,129 | 167,609,669 | 165,351,630 |
| 113 | 145,158,308 | 154,720,141 | 155,802,879 | 161,414,850 | 165,821,368 | 170,336,432 | 168,878,051 |
| 114 | 147,796,388 | 156,666,101 | 160,559,344 | 162,158,267 | 161,806,072 | 168,202,908 | 170,520,152 |
| 115 | 148,286,271 | 157,113,039 | 154,999,313 | 162,272,536 | 166,042,955 | 164,171,287 | 174,692,656 |
| 116 | 150,787,200 | 157,056,146 | 155,250,854 | 162,826,109 | 167,377,749 | 170,374,956 | 170,609,045 |
| 117 | 149,448,689 | 161,014,127 | 156,092,775 | 160,152,302 | 164,946,465 | 168,203,410 | 166,301,373 |
| 118 | 149,602,126 | 156,508,706 | 155,185,731 | 160,982,240 | 166,422,725 | 164,610,921 | 168,386,688 |
| 119 | 149,599,974 | 160,229,552 | 152,146,604 | 159,326,368 | 164,680,158 | 167,378,365 | 168,040,970 |
| 120 | 148,240,485 | 160,724,990 | 153,654,169 | 156,892,234 | 161,761,050 | 162,197,684 | 171,787,218 |
| 121 | 149,673,257 | 157,562,610 | 155,996,933 | 157,956,193 | 164,697,443 | 167,372,823 | 169,933,616 |
| 122 | 149,772,356 | 154,527,218 | 156,518,981 | 160,433,338 | 162,940,646 | 162,020,946 | 168,243,664 |
| 123 | 147,454,268 | 157,868,757 | 152,175,359 | 161,581,648 | 166,091,953 | 173,269,080 | 170,878,968 |
| 124 | 151,106,635 | 157,763,097 | 151,022,738 | 162,332,222 | 163,045,485 | 171,148,343 | 170,383,737 |
| 125 | 148,599,938 | 160,511,743 | 151,830,553 | 159,002,924 | 164,265,095 | 164,639,487 | 166,778,245 |
| 126 | 149,248,009 | 157,415,592 | 155,456,080 | 162,621,866 | 164,737,054 | 164,882,767 | 170,294,031 |
| 127 | 154,539,894 | 153,797,759 | 155,722,351 | 162,937,914 | 163,989,530 | 165,512,091 | 162,299,848 |
| 128 | 150,425,349 | 157,670,386 | 153,964,872 | 160,743,514 | 164,473,660 | 165,557,917 | 167,877,687 |
| 129 | 146,748,063 | 156,539,081 | 151,075,789 | 160,106,909 | 163,348,012 | 168,308,753 | 171,298,483 |
| 130 | 148,095,209 | 157,741,229 | 153,664,714 | 162,699,463 | 163,781,926 | 162,408,621 | 165,408,964 |
| 131 | 146,222,046 | 157,161,995 | 149,542,464 | 161,921,663 | 166,053,798 | 167,474,188 | 169,559,375 |
| 132 | 148,082,433 | 154,979,195 | 154,178,530 | 164,758,329 | 163,930,181 | 163,937,732 | 165,347,342 |
| 133 | 149,585,938 | 155,388,449 | 155,429,396 | 163,532,519 | 162,818,986 | 165,907,514 | 167,676,476 |
| 134 | 146,694,687 | 159,032,166 | 155,804,344 | 163,155,645 | 164,917,009 | 164,313,305 | 173,195,704 |
| 135 | 148,763,438 | 160,672,838 | 153,890,314 | 161,889,389 | 164,261,252 | 169,843,271 | 171,413,236 |
| 136 | 147,440,267 | 158,877,140 | 151,305,608 | 163,433,440 | 162,236,392 | 168,372,151 | 172,886,521 |
| 137 | 147,769,010 | 160,906,325 | 155,906,126 | 162,013,461 | 163,088,744 | 167,639,516 | 164,137,840 |
| 138 | 148,789,534 | 154,744,358 | 151,514,060 | 158,546,628 | 167,445,215 | 166,072,622 | 169,446,536 |
| 139 | 152,886,881 | 154,452,378 | 156,117,628 | 161,172,277 | 163,187,225 | 167,879,435 | 167,604,544 |
| 140 | 151,169,581 | 155,675,313 | 151,707,381 | 162,785,393 | 160,959,581 | 168,125,180 | 163,432,302 |
| 141 | 148,067,650 | 156,502,591 | 156,695,150 | 158,586,031 | 165,443,321 | 168,679,568 | 169,491,675 |
| 142 | 149,404,962 | 157,033,003 | 153,428,905 | 163,789,668 | 164,489,785 | 166,123,313 | 174,331,698 |
| 143 | 146,622,287 | 154,744,275 | 156,311,168 | 158,676,136 | 159,478,212 | 170,842,946 | 170,212,454 |
| 144 | 146,292,929 | 155,114,577 | 153,828,521 | 157,219,029 | 165,589,602 | 162,960,687 | 173,264,108 |
| 145 | 146,984,141 | 156,558,935 | 151,480,553 | 170,662,038 | 165,485,021 | 168,565,190 | 174,181,021 |
| 146 | 150,494,617 | 157,538,769 | 153,261,297 | 165,296,594 | 162,134,753 | 168,620,706 | 161,336,441 |
| 147 | 151,079,542 | 159,475,513 | 157,719,108 | 155,326,395 | 164,595,263 | 164,921,964 | 167,410,724 |
| 148 | 144,797,714 | 157,430,449 | 159,281,378 | 157,764,736 | 164,365,931 | 168,574,438 | 169,606,276 |
| 149 | 146,231,316 | 157,304,813 | 154,694,124 | 159,847,794 | 167,367,308 | 169,244,381 | 166,793,620 |
| 150 | 151,840,198 | 161,947,412 | 154,365,909 | 165,066,423 | 161,993,964 | 166,789,087 | 170,003,770 |

| Draw | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|
| 151 | 150,821,238 | 156,120,568 | 157,335,394 | 161,476,328 | 167,999,458 | 164,295,187 | 168,339,925 |
| 152 | 146,534,121 | 156,653,812 | 153,367,730 | 163,245,591 | 162,770,686 | 168,367,108 | 167,235,290 |
| 153 | 151,468,891 | 155,890,536 | 153,238,548 | 160,880,747 | 161,126,958 | 166,065,267 | 170,433,331 |
| 154 | 147,038,024 | 155,294,513 | 150,671,145 | 163,672,487 | 162,681,180 | 170,563,707 | 164,173,448 |
| 155 | 148,160,060 | 157,515,060 | 152,179,420 | 152,706,917 | 167,601,837 | 167,638,356 | 169,702,125 |
| 156 | 153,640,167 | 156,181,612 | 155,331,576 | 160,207,440 | 162,948,061 | 165,900,925 | 175,540,440 |
| 157 | 148,479,083 | 151,660,396 | 153,571,650 | 163,630,227 | 165,874,109 | 165,691,529 | 165,490,545 |
| 158 | 149,638,913 | 154,759,237 | 156,894,173 | 162,976,470 | 168,416,021 | 168,236,481 | 173,999,163 |
| 159 | 147,749,374 | 157,041,019 | 152,057,158 | 156,322,869 | 162,185,027 | 166,609,925 | 169,896,994 |
| 160 | 147,678,534 | 155,502,311 | 157,628,036 | 159,269,797 | 167,053,003 | 170,714,028 | 172,736,391 |
| 161 | 150,961,173 | 157,296,314 | 152,841,188 | 156,449,113 | 167,072,535 | 169,439,642 | 172,120,565 |
| 162 | 148,833,111 | 158,405,111 | 154,811,834 | 159,863,806 | 166,015,799 | 168,276,326 | 169,336,828 |
| 163 | 150,843,343 | 157,919,685 | 150,249,396 | 157,915,748 | 167,343,748 | 164,082,720 | 167,634,156 |
| 164 | 152,855,729 | 158,300,395 | 156,296,999 | 155,981,820 | 160,644,798 | 168,259,647 | 163,599,317 |
| 165 | 151,334,886 | 155,653,128 | 154,011,074 | 163,266,217 | 165,787,603 | 165,135,893 | 167,158,657 |
| 166 | 149,588,600 | 160,650,143 | 152,135,790 | 161,103,282 | 163,311,655 | 163,670,025 | 174,115,299 |
| 167 | 145,983,411 | 159,200,256 | 152,432,295 | 156,221,736 | 166,766,948 | 166,947,908 | 170,332,938 |
| 168 | 147,405,453 | 153,561,348 | 154,025,335 | 162,097,941 | 163,448,612 | 164,602,962 | 172,604,909 |
| 169 | 154,159,268 | 158,509,455 | 155,329,562 | 159,730,846 | 164,608,581 | 169,355,018 | 171,068,559 |
| 170 | 150,017,773 | 155,774,350 | 151,913,469 | 165,105,503 | 163,909,840 | 165,973,941 | 170,258,237 |
| 171 | 150,580,651 | 154,745,016 | 154,218,142 | 158,917,657 | 167,243,515 | 171,018,648 | 172,563,189 |
| 172 | 147,286,496 | 157,569,886 | 155,176,264 | 160,672,887 | 167,362,796 | 165,106,906 | 170,414,484 |
| 173 | 147,215,229 | 156,698,944 | 152,473,919 | 163,280,226 | 164,768,279 | 169,859,566 | 167,170,468 |
| 174 | 146,388,170 | 152,707,229 | 158,297,971 | 158,201,303 | 166,203,914 | 171,493,708 | 169,318,088 |
| 175 | 150,764,083 | 159,963,042 | 151,259,815 | 160,263,094 | 164,438,043 | 168,021,130 | 167,602,384 |
| 176 | 147,550,849 | 158,119,198 | 151,049,698 | 158,932,154 | 163,207,657 | 162,154,185 | 167,878,222 |
| 177 | 148,657,565 | 155,379,546 | 151,629,383 | 159,735,127 | 160,669,701 | 167,564,166 | 171,911,456 |
| 178 | 147,530,166 | 158,157,962 | 155,028,161 | 160,362,855 | 163,893,807 | 169,027,069 | 168,944,893 |
| 179 | 145,720,504 | 156,560,224 | 156,821,513 | 158,243,656 | 161,175,147 | 166,749,396 | 166,364,285 |
| 180 | 150,911,116 | 157,283,392 | 155,311,461 | 155,564,745 | 166,345,277 | 170,188,075 | 168,313,753 |
| 181 | 151,758,854 | 156,321,687 | 154,855,820 | 164,178,235 | 167,400,904 | 165,088,526 | 168,128,375 |
| 182 | 150,135,165 | 153,759,774 | 156,110,794 | 160,123,756 | 164,270,491 | 165,351,490 | 171,750,531 |
| 183 | 147,002,129 | 153,123,754 | 151,527,432 | 163,610,717 | 161,457,660 | 166,124,569 | 164,958,115 |
| 184 | 149,849,950 | 152,850,803 | 154,367,465 | 157,768,675 | 165,002,541 | 165,401,446 | 167,537,514 |
| 185 | 149,355,898 | 156,214,860 | 155,782,941 | 165,340,559 | 161,963,181 | 167,319,302 | 175,435,603 |
| 186 | 148,973,314 | 154,968,344 | 150,466,245 | 162,746,400 | 165,651,026 | 170,823,895 | 167,777,312 |
| 187 | 152,593,634 | 156,822,251 | 157,509,592 | 159,445,059 | 167,212,140 | 170,961,553 | 172,552,436 |
| 188 | 147,267,606 | 160,735,862 | 158,130,517 | 162,205,405 | 167,928,463 | 164,573,720 | 167,345,148 |
| 189 | 148,222,958 | 154,506,749 | 161,096,799 | 161,451,002 | 162,714,209 | 169,732,749 | 164,938,317 |
| 190 | 153,037,651 | 152,994,510 | 150,969,307 | 157,993,019 | 161,734,389 | 167,955,839 | 169,031,683 |
| 191 | 146,598,709 | 155,249,601 | 156,468,264 | 161,747,179 | 165,378,204 | 164,816,499 | 166,035,480 |
| 192 | 146,790,463 | 158,985,065 | 149,787,632 | 164,597,888 | 161,455,837 | 165,765,707 | 162,796,676 |
| 193 | 148,201,383 | 155,062,146 | 152,288,136 | 162,156,457 | 167,395,200 | 169,716,282 | 168,086,179 |
| 194 | 145,194,681 | 155,995,237 | 155,368,246 | 163,403,785 | 170,793,754 | 167,760,662 | 167,484,730 |
| 195 | 146,607,785 | 153,812,973 | 155,621,609 | 157,178,048 | 165,580,439 | 165,632,434 | 168,191,370 |
| 196 | 152,510,767 | 157,784,964 | 155,115,038 | 159,851,985 | 164,270,444 | 161,894,796 | 174,158,838 |
| 197 | 151,824,403 | 154,689,391 | 157,132,358 | 162,277,745 | 164,685,939 | 169,350,538 | 169,129,041 |
| 198 | 148,442,087 | 153,814,391 | 150,883,104 | 162,583,636 | 164,216,197 | 163,388,145 | 165,709,973 |
| 199 | 152,954,505 | 156,124,128 | 151,815,950 | 162,304,166 | 163,062,060 | 171,268,333 | 164,188,747 |
| 200 | 151,573,055 | 157,212,096 | 157,475,592 | 163,096,358 | 167,560,842 | 170,634,770 | 167,367,086 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 1 | 170,940,571 | 183,900,195 | 178,331,487 | 180,672,867 | 194,854,968 | 199,104,386 | 199,993,484 |
| 2 | 172,703,961 | 177,034,462 | 184,860,351 | 184,486,219 | 194,804,688 | 197,841,055 | 199,275,968 |
| 3 | 171,279,891 | 181,384,424 | 193,030,391 | 192,176,625 | 198,395,314 | 205,478,410 | 202,028,474 |
| 4 | 180,325,916 | 181,398,634 | 178,127,207 | 188,772,022 | 196,913,716 | 194,168,524 | 192,087,336 |
| 5 | 176,885,668 | 180,559,081 | 176,633,415 | 184,523,358 | 200,224,405 | 196,224,188 | 196,526,949 |
| 6 | 179,367,871 | 178,433,271 | 180,344,085 | 185,103,690 | 198,030,623 | 194,156,309 | 200,530,897 |
| 7 | 172,637,029 | 178,471,764 | 176,080,027 | 182,212,581 | 197,294,781 | 200,680,469 | 202,604,686 |
| 8 | 173,097,335 | 174,260,602 | 184,306,153 | 190,907,738 | 192,000,974 | 202,182,933 | 201,978,750 |
| 9 | 174,656,098 | 185,872,311 | 178,941,266 | 179,006,921 | 197,950,836 | 205,828,397 | 199,584,638 |
| 10 | 177,521,612 | 178,916,788 | 174,111,717 | 187,680,230 | 190,588,104 | 198,524,605 | 204,743,308 |
| 11 | 177,446,756 | 180,679,966 | 182,232,861 | 182,096,422 | 195,576,696 | 201,929,341 | 203,130,289 |
| 12 | 175,515,638 | 178,491,128 | 184,129,776 | 182,347,224 | 197,107,343 | 199,907,386 | 197,129,028 |
| 13 | 176,117,052 | 178,768,120 | 182,585,922 | 186,009,555 | 194,733,133 | 195,253,964 | 192,445,486 |
| 14 | 174,570,994 | 179,016,075 | 178,506,119 | 187,512,566 | 193,403,281 | 200,240,035 | 206,141,900 |
| 15 | 174,877,086 | 175,861,597 | 181,084,717 | 188,247,484 | 199,412,699 | 205,145,026 | 202,199,896 |
| 16 | 175,573,694 | 171,892,521 | 179,952,413 | 183,858,448 | 192,157,586 | 206,363,357 | 204,720,886 |
| 17 | 179,784,651 | 175,567,347 | 183,478,323 | 187,366,266 | 197,546,089 | 202,193,199 | 203,125,876 |
| 18 | 178,392,215 | 178,440,220 | 184,757,736 | 179,766,116 | 200,750,654 | 195,571,292 | 205,381,429 |
| 19 | 175,307,465 | 178,022,034 | 191,419,493 | 186,695,042 | 193,372,001 | 200,509,444 | 198,743,620 |
| 20 | 171,849,466 | 177,521,775 | 179,379,422 | 189,435,948 | 198,930,455 | 192,237,722 | 200,540,445 |
| 21 | 179,707,509 | 181,362,107 | 179,425,690 | 191,819,408 | 200,667,408 | 196,380,891 | 204,137,853 |
| 22 | 180,198,647 | 180,060,118 | 178,599,895 | 181,312,559 | 195,200,849 | 194,753,627 | 205,480,166 |
| 23 | 175,270,730 | 180,450,835 | 182,738,822 | 183,524,458 | 196,173,777 | 203,004,289 | 203,779,281 |
| 24 | 175,196,499 | 176,086,243 | 182,439,274 | 189,199,451 | 198,433,999 | 200,568,985 | 198,210,844 |
| 25 | 171,861,499 | 175,632,098 | 183,268,850 | 185,191,704 | 202,167,990 | 199,121,983 | 201,070,013 |
| 26 | 175,319,483 | 179,283,769 | 184,143,782 | 185,363,758 | 203,971,705 | 194,128,523 | 198,455,119 |
| 27 | 172,503,308 | 179,476,322 | 181,286,785 | 186,764,142 | 197,980,354 | 191,908,634 | 208,492,409 |
| 28 | 176,507,073 | 182,796,407 | 185,187,209 | 190,161,305 | 193,801,740 | 201,743,799 | 203,170,717 |
| 29 | 180,425,543 | 183,438,709 | 182,647,190 | 190,539,259 | 198,837,916 | 203,728,907 | 200,552,110 |
| 30 | 171,115,095 | 177,225,831 | 183,616,766 | 186,787,256 | 191,851,274 | 209,090,372 | 206,610,669 |
| 31 | 178,217,985 | 181,647,618 | 183,589,543 | 186,402,600 | 195,358,501 | 202,297,801 | 202,322,428 |
| 32 | 178,650,257 | 180,612,831 | 183,262,693 | 183,183,540 | 192,273,771 | 199,308,444 | 202,740,184 |
| 33 | 181,137,054 | 181,119,510 | 179,315,851 | 179,654,808 | 194,517,969 | 203,008,215 | 209,752,977 |
| 34 | 175,046,629 | 183,603,203 | 178,641,313 | 183,198,947 | 192,640,814 | 201,374,432 | 197,435,986 |
| 35 | 177,568,540 | 180,699,490 | 176,434,104 | 188,588,391 | 198,005,444 | 198,201,831 | 209,422,810 |
| 36 | 174,960,788 | 185,585,325 | 185,188,408 | 188,797,158 | 197,676,733 | 196,522,556 | 204,905,940 |
| 37 | 177,837,005 | 178,679,337 | 185,055,632 | 187,086,024 | 201,044,043 | 202,112,780 | 200,975,678 |
| 38 | 176,009,839 | 173,832,536 | 179,658,738 | 180,755,520 | 198,362,170 | 195,970,651 | 196,516,655 |
| 39 | 178,638,424 | 176,437,021 | 183,453,368 | 188,391,088 | 197,590,733 | 201,761,396 | 201,904,031 |
| 40 | 173,070,912 | 179,457,122 | 180,659,477 | 190,931,630 | 192,662,646 | 196,675,358 | 207,710,122 |
| 41 | 179,712,879 | 178,261,745 | 181,476,578 | 190,049,550 | 195,517,580 | 202,399,775 | 201,710,535 |
| 42 | 170,545,433 | 177,110,021 | 187,768,567 | 184,936,135 | 199,433,565 | 203,093,049 | 200,862,991 |
| 43 | 174,670,708 | 183,941,318 | 185,950,350 | 182,204,781 | 197,829,929 | 200,310,380 | 208,814,919 |
| 44 | 180,104,480 | 180,287,369 | 177,411,590 | 188,466,669 | 198,209,457 | 199,706,601 | 197,724,430 |
| 45 | 181,024,860 | 174,375,172 | 178,477,962 | 184,499,064 | 195,107,441 | 197,472,760 | 207,438,913 |
| 46 | 173,113,326 | 177,931,316 | 179,736,934 | 185,842,772 | 193,871,153 | 200,468,211 | 206,314,343 |
| 47 | 174,198,436 | 181,392,641 | 182,409,516 | 193,123,050 | 195,000,526 | 204,645,688 | 199,774,555 |
| 48 | 174,256,931 | 180,450,812 | 175,734,248 | 180,833,405 | 195,052,333 | 191,544,286 | 199,153,951 |
| 49 | 176,776,296 | 174,991,735 | 182,425,074 | 185,515,647 | 191,928,856 | 204,592,262 | 207,428,293 |
| 50 | 175,287,008 | 177,815,957 | 185,698,048 | 187,795,352 | 196,068,500 | 201,169,769 | 207,352,324 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 51 | 171,771,991 | 176,279,247 | 181,682,114 | 180,050,584 | 197,332,089 | 199,900,309 | 199,562,415 |
| 52 | 177,042,500 | 179,272,483 | 183,084,266 | 186,216,556 | 198,768,446 | 199,418,479 | 197,613,604 |
| 53 | 173,959,041 | 176,257,786 | 183,928,317 | 188,365,336 | 193,406,793 | 196,948,768 | 194,483,182 |
| 54 | 178,188,344 | 178,249,021 | 184,407,663 | 189,346,804 | 194,880,024 | 198,972,043 | 204,423,743 |
| 55 | 176,113,469 | 178,757,388 | 180,919,894 | 180,479,341 | 191,397,458 | 199,912,236 | 200,490,573 |
| 56 | 172,144,072 | 174,858,714 | 181,948,148 | 190,721,233 | 200,048,747 | 203,766,578 | 203,877,361 |
| 57 | 173,637,113 | 174,213,410 | 178,044,873 | 178,627,636 | 196,962,001 | 198,797,877 | 201,231,249 |
| 58 | 174,686,919 | 177,906,540 | 178,285,171 | 188,618,505 | 196,042,279 | 196,476,382 | 201,580,521 |
| 59 | 179,927,870 | 179,350,804 | 187,690,471 | 184,014,367 | 194,653,520 | 199,653,767 | 200,941,842 |
| 60 | 174,059,636 | 178,361,002 | 184,933,577 | 181,909,450 | 192,864,085 | 201,075,270 | 199,949,330 |
| 61 | 170,994,052 | 170,939,958 | 182,192,771 | 184,808,874 | 197,902,441 | 193,540,361 | 209,535,162 |
| 62 | 175,243,767 | 181,550,290 | 185,264,651 | 188,707,856 | 199,199,142 | 200,831,473 | 197,712,575 |
| 63 | 172,556,932 | 177,087,884 | 179,418,840 | 186,822,354 | 196,494,010 | 196,532,321 | 203,837,923 |
| 64 | 179,878,210 | 173,932,486 | 180,020,300 | 187,928,075 | 196,365,849 | 198,348,812 | 204,441,024 |
| 65 | 175,683,157 | 177,062,659 | 181,774,996 | 187,288,791 | 205,838,896 | 205,026,937 | 204,424,991 |
| 66 | 173,794,255 | 181,714,171 | 177,535,401 | 180,758,207 | 192,273,814 | 198,134,896 | 198,638,210 |
| 67 | 173,310,041 | 177,556,284 | 188,756,144 | 190,929,493 | 198,565,627 | 199,299,953 | 208,427,683 |
| 68 | 179,014,403 | 181,163,636 | 178,073,583 | 184,101,319 | 201,515,140 | 202,644,057 | 197,838,284 |
| 69 | 173,655,440 | 177,662,748 | 173,635,997 | 179,890,760 | 190,133,203 | 193,957,961 | 200,123,601 |
| 70 | 175,982,001 | 181,043,319 | 177,520,073 | 187,175,823 | 202,580,280 | 198,195,854 | 214,049,859 |
| 71 | 174,773,554 | 173,781,558 | 181,578,511 | 194,348,117 | 192,257,175 | 205,154,803 | 206,570,486 |
| 72 | 179,632,029 | 177,586,277 | 177,890,625 | 183,159,004 | 196,762,961 | 205,948,562 | 203,271,755 |
| 73 | 177,557,077 | 177,129,849 | 183,720,612 | 189,905,392 | 192,954,408 | 192,274,104 | 200,902,896 |
| 74 | 179,054,606 | 174,174,543 | 181,675,813 | 189,257,853 | 198,058,438 | 200,274,884 | 204,833,073 |
| 75 | 175,454,109 | 176,079,845 | 183,570,999 | 190,575,044 | 195,438,233 | 200,241,905 | 207,491,185 |
| 76 | 175,975,035 | 177,124,478 | 185,205,054 | 192,559,865 | 199,624,773 | 197,247,241 | 201,534,758 |
| 77 | 171,201,337 | 177,882,938 | 184,263,696 | 188,920,052 | 199,051,327 | 198,782,262 | 213,120,012 |
| 78 | 177,126,170 | 176,639,694 | 187,739,977 | 190,104,153 | 202,713,443 | 199,641,907 | 206,953,741 |
| 79 | 173,683,212 | 174,623,573 | 182,240,201 | 189,773,761 | 193,532,774 | 203,321,590 | 203,962,961 |
| 80 | 177,106,275 | 180,152,362 | 177,605,215 | 189,441,642 | 193,168,638 | 197,931,194 | 195,882,065 |
| 81 | 177,630,150 | 184,987,094 | 182,376,289 | 188,897,029 | 192,562,464 | 200,206,530 | 202,743,577 |
| 82 | 181,269,076 | 184,307,456 | 181,530,974 | 183,746,852 | 190,617,749 | 194,286,973 | 199,717,713 |
| 83 | 170,070,559 | 179,644,792 | 181,774,021 | 183,708,150 | 195,660,839 | 199,804,312 | 200,707,082 |
| 84 | 175,453,782 | 179,542,962 | 170,765,844 | 187,012,513 | 202,848,841 | 196,332,618 | 202,575,038 |
| 85 | 173,021,324 | 177,807,047 | 181,679,213 | 184,679,325 | 196,788,022 | 205,978,343 | 201,505,521 |
| 86 | 181,693,640 | 174,406,894 | 183,344,469 | 185,169,571 | 197,530,192 | 199,349,600 | 201,445,773 |
| 87 | 178,964,308 | 177,176,839 | 182,138,015 | 188,189,748 | 195,288,678 | 203,274,063 | 200,796,569 |
| 88 | 174,629,356 | 177,049,197 | 181,506,397 | 183,885,234 | 195,047,551 | 200,317,142 | 201,993,950 |
| 89 | 170,233,474 | 177,222,170 | 178,716,358 | 190,256,198 | 204,637,145 | 203,746,255 | 197,286,375 |
| 90 | 178,658,194 | 174,438,187 | 182,525,893 | 192,155,970 | 196,865,127 | 204,879,090 | 208,096,097 |
| 91 | 181,170,823 | 179,969,616 | 181,928,003 | 186,841,776 | 200,056,938 | 197,290,159 | 202,863,949 |
| 92 | 177,089,387 | 177,506,216 | 180,342,449 | 185,558,271 | 189,655,058 | 198,764,598 | 205,251,257 |
| 93 | 177,018,480 | 177,469,959 | 182,269,849 | 184,779,470 | 192,269,148 | 204,126,069 | 201,651,783 |
| 94 | 181,022,445 | 179,792,294 | 177,634,968 | 193,224,547 | 194,359,587 | 208,720,493 | 208,227,071 |
| 95 | 177,244,082 | 176,892,814 | 185,372,197 | 180,373,722 | 198,457,806 | 198,420,135 | 207,160,646 |
| 96 | 176,574,794 | 175,846,370 | 184,390,479 | 187,554,434 | 199,134,082 | 198,525,780 | 202,561,638 |
| 97 | 178,225,571 | 175,231,563 | 181,056,190 | 187,105,434 | 193,374,266 | 206,529,633 | 207,060,611 |
| 98 | 177,823,980 | 180,296,994 | 184,891,107 | 181,722,580 | 202,162,416 | 203,956,650 | 203,223,528 |
| 99 | 179,335,420 | 183,086,268 | 182,422,732 | 187,403,553 | 190,078,099 | 199,849,395 | 216,201,467 |
| 100 | 173,855,682 | 177,564,754 | 177,864,303 | 181,584,054 | 190,681,321 | 200,002,313 | 202,330,162 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 101 | 183,320,093 | 182,295,698 | 177,729,525 | 179,997,776 | 195,797,263 | 204,084,102 | 203,871,616 |
| 102 | 175,854,663 | 177,171,419 | 182,459,411 | 181,140,448 | 188,838,249 | 202,912,059 | 205,022,825 |
| 103 | 178,408,289 | 179,507,291 | 187,303,595 | 190,414,687 | 199,486,049 | 197,046,003 | 206,263,430 |
| 104 | 173,209,427 | 172,126,259 | 181,592,988 | 189,052,894 | 189,357,402 | 202,337,246 | 211,065,406 |
| 105 | 180,697,378 | 179,808,237 | 180,776,671 | 182,448,221 | 194,250,693 | 196,696,053 | 201,366,123 |
| 106 | 176,346,859 | 174,944,042 | 182,065,149 | 184,305,422 | 194,060,163 | 196,758,217 | 203,023,087 |
| 107 | 166,721,721 | 173,590,112 | 186,276,819 | 182,345,955 | 191,052,367 | 202,344,796 | 202,623,127 |
| 108 | 175,530,106 | 176,828,937 | 185,269,509 | 184,427,185 | 195,813,563 | 198,781,753 | 201,315,629 |
| 109 | 180,983,791 | 178,208,219 | 182,875,381 | 182,870,920 | 201,501,126 | 199,312,987 | 208,562,387 |
| 110 | 180,384,109 | 181,080,635 | 182,281,773 | 188,069,462 | 197,569,422 | 203,952,619 | 205,615,827 |
| 111 | 173,651,028 | 173,402,134 | 177,837,680 | 186,936,144 | 194,494,975 | 202,623,407 | 204,409,249 |
| 112 | 170,157,089 | 175,167,669 | 189,130,158 | 187,205,875 | 196,994,165 | 194,400,919 | 197,838,132 |
| 113 | 172,039,783 | 176,521,232 | 187,551,795 | 189,370,889 | 201,701,452 | 203,089,371 | 205,417,784 |
| 114 | 177,328,323 | 178,330,781 | 176,984,723 | 182,810,269 | 195,850,494 | 197,581,800 | 206,462,871 |
| 115 | 172,898,704 | 176,496,152 | 183,971,880 | 182,392,053 | 192,835,833 | 199,224,884 | 192,206,423 |
| 116 | 175,336,050 | 177,375,099 | 180,854,918 | 186,539,703 | 200,739,724 | 206,936,621 | 199,317,940 |
| 117 | 177,255,185 | 174,663,169 | 188,031,266 | 186,254,926 | 197,902,005 | 197,076,456 | 202,718,429 |
| 118 | 176,552,134 | 176,307,427 | 182,789,152 | 186,388,900 | 194,784,299 | 203,871,197 | 203,497,356 |
| 119 | 176,671,767 | 178,088,193 | 183,361,581 | 185,360,691 | 195,089,533 | 195,407,558 | 198,640,396 |
| 120 | 175,288,463 | 177,900,910 | 178,273,736 | 184,485,341 | 195,551,583 | 203,524,137 | 206,761,252 |
| 121 | 174,673,293 | 174,853,336 | 179,588,320 | 185,063,124 | 197,695,331 | 196,171,164 | 208,013,067 |
| 122 | 177,884,536 | 178,681,642 | 180,758,427 | 180,808,603 | 193,800,266 | 196,048,378 | 202,102,033 |
| 123 | 177,615,808 | 170,208,744 | 178,712,376 | 185,167,351 | 197,398,573 | 197,516,526 | 204,443,290 |
| 124 | 173,634,003 | 180,384,491 | 178,387,312 | 185,112,299 | 200,294,747 | 195,255,619 | 209,513,686 |
| 125 | 175,925,027 | 177,897,322 | 183,100,573 | 192,240,550 | 188,364,237 | 196,284,615 | 200,527,829 |
| 126 | 175,872,562 | 177,144,679 | 184,327,710 | 192,022,537 | 193,769,222 | 201,791,347 | 196,337,644 |
| 127 | 175,001,993 | 174,068,516 | 183,881,218 | 187,401,190 | 202,542,592 | 199,020,504 | 206,037,159 |
| 128 | 177,619,188 | 178,656,248 | 176,740,448 | 188,871,115 | 197,911,479 | 198,166,307 | 197,995,300 |
| 129 | 175,738,851 | 177,519,275 | 178,619,041 | 196,057,054 | 205,236,000 | 204,035,684 | 201,060,633 |
| 130 | 177,676,242 | 180,259,116 | 181,924,552 | 180,956,454 | 194,453,588 | 196,774,227 | 197,752,545 |
| 131 | 175,641,633 | 178,254,223 | 181,597,801 | 185,463,277 | 195,670,636 | 199,511,292 | 200,122,298 |
| 132 | 175,757,830 | 175,865,122 | 183,121,145 | 183,237,101 | 194,090,448 | 198,590,351 | 203,371,161 |
| 133 | 177,478,578 | 175,121,085 | 185,367,939 | 193,988,001 | 199,915,791 | 194,274,517 | 196,553,540 |
| 134 | 176,009,285 | 179,363,136 | 183,269,841 | 191,623,042 | 194,433,543 | 200,328,832 | 195,489,822 |
| 135 | 176,773,245 | 173,156,990 | 182,448,137 | 186,481,023 | 200,071,765 | 197,710,210 | 207,418,439 |
| 136 | 183,538,358 | 180,048,521 | 180,982,203 | 183,327,974 | 195,454,904 | 206,067,235 | 207,241,137 |
| 137 | 171,504,504 | 181,874,068 | 178,440,231 | 188,726,215 | 193,408,558 | 197,834,013 | 205,059,821 |
| 138 | 181,715,149 | 181,184,724 | 177,510,246 | 188,611,200 | 195,774,670 | 199,140,739 | 194,522,867 |
| 139 | 174,715,018 | 183,207,896 | 181,652,261 | 187,512,843 | 200,139,569 | 194,233,216 | 200,489,854 |
| 140 | 179,195,188 | 178,512,142 | 186,232,130 | 183,080,108 | 196,076,279 | 198,594,826 | 206,910,240 |
| 141 | 179,365,921 | 181,120,018 | 180,331,556 | 187,671,956 | 201,351,985 | 197,516,482 | 206,236,271 |
| 142 | 176,003,024 | 173,132,227 | 180,504,979 | 186,890,922 | 193,023,441 | 200,349,647 | 202,890,352 |
| 143 | 175,215,759 | 175,652,128 | 180,319,503 | 188,901,721 | 197,029,944 | 198,170,455 | 205,962,129 |
| 144 | 180,413,693 | 176,048,166 | 192,315,365 | 186,046,549 | 201,244,143 | 204,503,628 | 197,969,572 |
| 145 | 173,877,976 | 179,647,260 | 180,428,020 | 189,191,102 | 198,086,115 | 201,247,788 | 197,149,404 |
| 146 | 172,897,233 | 176,508,067 | 182,852,577 | 189,950,603 | 197,315,944 | 197,139,487 | 203,614,454 |
| 147 | 176,339,149 | 176,290,748 | 178,104,131 | 187,201,700 | 197,167,645 | 202,368,449 | 202,545,800 |
| 148 | 176,823,322 | 183,548,358 | 184,000,542 | 186,941,221 | 192,656,725 | 195,271,470 | 202,763,990 |
| 149 | 180,829,758 | 178,577,349 | 180,288,643 | 182,221,018 | 198,106,466 | 207,721,681 | 205,051,345 |
| 150 | 176,894,795 | 176,699,707 | 179,594,344 | 184,940,055 | 194,741,097 | 198,685,621 | 208,992,422 |

| Draw | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---|---|---|---|---|---|---|---|
| 151 | 173,175,170 | 179,180,105 | 183,891,409 | 183,740,002 | 194,958,245 | 201,681,661 | 202,140,000 |
| 152 | 175,443,866 | 171,011,186 | 180,765,333 | 183,989,784 | 194,833,716 | 207,844,823 | 202,562,083 |
| 153 | 177,487,660 | 177,322,104 | 180,744,755 | 192,054,439 | 195,293,545 | 200,121,520 | 199,402,070 |
| 154 | 177,033,451 | 178,623,039 | 179,113,992 | 181,528,231 | 189,267,181 | 198,721,582 | 204,345,181 |
| 155 | 173,184,866 | 176,116,058 | 182,187,518 | 190,295,911 | 189,434,792 | 202,131,773 | 196,063,242 |
| 156 | 177,626,853 | 174,980,909 | 184,776,486 | 186,362,668 | 197,693,652 | 200,970,377 | 199,433,181 |
| 157 | 173,075,807 | 179,671,896 | 186,904,455 | 184,347,972 | 198,227,915 | 200,514,261 | 203,036,195 |
| 158 | 177,171,413 | 180,069,513 | 184,678,379 | 183,380,271 | 194,264,056 | 197,714,365 | 201,451,738 |
| 159 | 172,231,439 | 181,024,301 | 182,397,135 | 189,402,928 | 193,083,093 | 200,645,471 | 193,791,558 |
| 160 | 179,907,268 | 181,516,499 | 184,530,251 | 181,244,905 | 192,878,292 | 196,049,579 | 205,117,828 |
| 161 | 177,473,814 | 183,990,126 | 180,663,573 | 187,126,550 | 195,678,692 | 196,169,726 | 207,817,053 |
| 162 | 175,846,810 | 173,491,182 | 176,666,347 | 190,434,142 | 200,643,137 | 192,087,738 | 202,478,313 |
| 163 | 172,299,641 | 180,253,180 | 178,058,683 | 182,125,734 | 191,251,099 | 203,577,524 | 204,418,992 |
| 164 | 172,995,902 | 181,278,535 | 181,474,194 | 186,735,905 | 199,155,641 | 197,831,910 | 202,514,399 |
| 165 | 175,461,437 | 178,180,347 | 182,341,445 | 189,123,630 | 192,429,541 | 198,900,088 | 203,124,557 |
| 166 | 170,658,970 | 181,217,685 | 177,182,926 | 191,682,004 | 191,665,651 | 200,822,743 | 208,376,808 |
| 167 | 174,194,303 | 177,632,592 | 181,358,256 | 184,490,950 | 193,495,553 | 204,140,092 | 204,646,793 |
| 168 | 170,338,576 | 179,507,774 | 184,174,558 | 186,812,979 | 191,501,723 | 198,841,811 | 206,382,830 |
| 169 | 178,220,854 | 182,662,108 | 182,177,749 | 188,638,648 | 192,088,810 | 204,116,868 | 204,641,325 |
| 170 | 178,964,554 | 184,775,677 | 184,740,815 | 186,126,950 | 199,873,678 | 205,796,906 | 204,659,766 |
| 171 | 179,563,529 | 176,154,772 | 177,843,071 | 181,871,527 | 191,050,978 | 195,550,193 | 199,072,874 |
| 172 | 177,229,987 | 180,827,023 | 180,618,856 | 184,024,273 | 196,701,834 | 204,812,065 | 196,276,805 |
| 173 | 177,203,346 | 180,998,258 | 181,672,101 | 185,802,403 | 201,477,970 | 197,008,428 | 204,839,978 |
| 174 | 179,751,850 | 181,679,959 | 182,982,238 | 184,412,015 | 186,942,397 | 204,120,494 | 211,607,322 |
| 175 | 177,345,900 | 172,600,327 | 183,956,646 | 193,077,494 | 199,021,236 | 200,157,047 | 208,100,892 |
| 176 | 174,512,349 | 175,044,664 | 185,292,699 | 188,106,968 | 196,388,648 | 201,236,392 | 196,894,596 |
| 177 | 177,275,876 | 177,876,539 | 180,576,888 | 191,241,978 | 202,988,906 | 202,393,502 | 202,764,561 |
| 178 | 177,703,799 | 176,973,872 | 179,941,493 | 187,758,327 | 192,870,674 | 198,274,395 | 205,830,668 |
| 179 | 179,068,383 | 181,845,339 | 175,842,404 | 186,551,565 | 198,245,151 | 200,018,070 | 209,553,995 |
| 180 | 172,565,015 | 180,022,058 | 178,444,741 | 181,890,469 | 200,641,612 | 205,145,260 | 201,455,191 |
| 181 | 174,075,533 | 177,154,039 | 180,464,341 | 184,738,241 | 192,632,595 | 203,142,844 | 206,714,536 |
| 182 | 171,541,104 | 176,595,509 | 174,706,392 | 186,854,778 | 195,753,865 | 201,605,976 | 195,198,829 |
| 183 | 175,632,292 | 174,130,134 | 179,082,851 | 183,733,973 | 195,769,828 | 198,784,496 | 204,478,907 |
| 184 | 177,731,082 | 175,561,344 | 185,946,409 | 186,001,921 | 199,517,126 | 190,668,424 | 193,967,931 |
| 185 | 177,446,594 | 183,072,111 | 183,818,875 | 184,430,885 | 202,036,666 | 196,109,047 | 194,962,925 |
| 186 | 176,175,718 | 176,580,811 | 182,462,907 | 186,854,109 | 198,408,558 | 190,419,833 | 204,066,305 |
| 187 | 179,553,604 | 179,868,812 | 181,086,171 | 182,378,422 | 199,565,591 | 199,761,070 | 206,154,791 |
| 188 | 178,332,997 | 179,696,899 | 173,560,461 | 186,202,087 | 195,502,815 | 205,156,971 | 209,583,756 |
| 189 | 175,305,618 | 184,989,573 | 178,324,767 | 186,384,286 | 200,543,882 | 200,994,448 | 197,721,038 |
| 190 | 170,814,654 | 175,284,723 | 180,244,223 | 183,844,107 | 194,384,169 | 202,536,016 | 207,576,647 |
| 191 | 178,952,989 | 173,580,631 | 184,430,235 | 188,164,542 | 192,471,991 | 204,400,040 | 200,792,014 |
| 192 | 176,161,984 | 185,097,777 | 183,018,843 | 180,334,079 | 191,044,911 | 198,640,563 | 202,067,275 |
| 193 | 173,091,473 | 179,639,380 | 181,924,252 | 185,358,388 | 194,202,278 | 197,910,566 | 199,032,052 |
| 194 | 174,394,187 | 175,723,086 | 180,762,483 | 183,250,368 | 203,208,823 | 194,863,607 | 206,772,729 |
| 195 | 179,015,648 | 178,614,716 | 181,484,555 | 188,040,197 | 198,014,796 | 205,481,643 | 207,298,733 |
| 196 | 178,502,844 | 173,782,979 | 181,253,285 | 188,279,885 | 195,286,639 | 195,392,371 | 197,468,446 |
| 197 | 176,274,733 | 181,449,217 | 179,312,311 | 184,326,510 | 197,262,938 | 199,984,592 | 205,248,532 |
| 198 | 178,048,666 | 175,764,214 | 181,824,714 | 180,926,553 | 195,710,231 | 200,332,631 | 198,985,297 |
| 199 | 177,484,267 | 177,806,416 | 186,087,293 | 186,610,313 | 193,625,199 | 201,032,569 | 202,760,953 |
| 200 | 173,272,462 | 181,111,248 | 181,066,395 | 183,335,693 | 203,451,250 | 200,129,113 | 205,232,665 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total System Cost |
|---|---|---|---|---|---|---|---|
| 1 | 204,821,383 | 205,200,551 | 216,203,156 | 216,418,473 | 214,997,473 | 218,607,620 | 3,708,135,135 |
| 2 | 214,169,686 | 210,246,985 | 216,918,063 | 216,157,658 | 224,181,995 | 216,845,037 | 3,739,216,103 |
| 3 | 208,443,798 | 214,301,743 | 214,533,493 | 208,466,290 | 215,764,282 | 216,981,305 | 3,742,817,001 |
| 4 | 205,072,587 | 205,869,822 | 208,741,239 | 208,283,941 | 214,823,321 | 227,037,188 | 3,697,136,328 |
| 5 | 209,749,537 | 205,327,708 | 206,709,140 | 209,527,116 | 225,289,003 | 213,284,878 | 3,707,584,323 |
| 6 | 201,995,821 | 207,731,645 | 209,284,408 | 215,628,960 | 224,841,580 | 218,899,123 | 3,723,016,274 |
| 7 | 196,484,721 | 209,021,048 | 214,757,955 | 221,686,455 | 220,751,187 | 216,437,249 | 3,723,119,936 |
| 8 | 204,348,818 | 209,312,336 | 210,481,416 | 216,934,914 | 221,828,543 | 233,517,041 | 3,735,909,896 |
| 9 | 213,768,496 | 207,653,679 | 209,893,954 | 213,043,135 | 228,877,348 | 216,587,027 | 3,720,790,626 |
| 10 | 202,440,899 | 217,236,605 | 210,681,694 | 220,933,812 | 217,753,589 | 213,161,835 | 3,718,781,135 |
| 11 | 201,458,249 | 219,048,851 | 212,124,142 | 208,881,680 | 212,477,389 | 218,683,793 | 3,711,487,979 |
| 12 | 203,344,357 | 209,633,418 | 212,357,922 | 216,267,658 | 205,992,659 | 219,430,264 | 3,695,470,345 |
| 13 | 213,546,551 | 211,041,012 | 208,499,024 | 214,685,690 | 227,830,738 | 228,785,658 | 3,729,225,023 |
| 14 | 213,308,946 | 209,405,620 | 218,267,626 | 216,463,647 | 215,958,800 | 231,836,055 | 3,739,294,580 |
| 15 | 211,897,903 | 209,900,810 | 213,530,822 | 223,713,243 | 228,011,944 | 235,479,206 | 3,784,998,227 |
| 16 | 208,343,418 | 210,794,894 | 215,617,647 | 215,017,563 | 216,173,160 | 221,958,516 | 3,701,895,499 |
| 17 | 201,823,184 | 207,786,264 | 206,625,002 | 208,645,176 | 217,761,144 | 233,675,996 | 3,734,279,705 |
| 18 | 203,197,842 | 207,184,257 | 218,384,533 | 216,095,707 | 214,516,651 | 233,122,920 | 3,741,055,183 |
| 19 | 203,486,339 | 212,975,972 | 213,340,496 | 213,190,136 | 221,557,277 | 220,971,558 | 3,726,666,602 |
| 20 | 206,872,894 | 207,272,522 | 215,632,766 | 223,491,604 | 231,452,589 | 222,958,123 | 3,747,687,729 |
| 21 | 210,314,937 | 208,779,899 | 211,271,735 | 213,650,056 | 222,083,715 | 228,905,681 | 3,749,373,948 |
| 22 | 209,676,446 | 214,366,712 | 208,018,778 | 217,687,502 | 220,041,333 | 220,179,864 | 3,720,635,951 |
| 23 | 208,843,795 | 209,696,215 | 213,562,070 | 210,890,852 | 213,226,828 | 221,980,497 | 3,744,074,133 |
| 24 | 209,519,201 | 205,340,463 | 207,537,088 | 219,726,635 | 211,951,655 | 218,081,974 | 3,725,021,235 |
| 25 | 204,084,471 | 213,197,196 | 217,379,396 | 207,165,604 | 216,381,083 | 221,471,569 | 3,736,679,270 |
| 26 | 209,312,654 | 210,125,155 | 208,203,142 | 213,059,767 | 213,159,847 | 226,422,028 | 3,736,584,704 |
| 27 | 202,577,558 | 208,279,733 | 206,010,904 | 212,179,137 | 217,361,956 | 226,122,617 | 3,708,439,763 |
| 28 | 204,515,588 | 209,715,628 | 216,485,707 | 220,310,274 | 219,692,892 | 226,933,704 | 3,749,245,827 |
| 29 | 205,517,439 | 209,930,115 | 202,414,719 | 211,877,043 | 211,343,953 | 230,323,793 | 3,731,166,799 |
| 30 | 204,310,638 | 208,098,166 | 205,943,205 | 218,649,377 | 218,075,407 | 231,065,763 | 3,731,490,038 |
| 31 | 206,932,155 | 206,925,704 | 208,381,887 | 213,791,246 | 214,408,618 | 224,245,054 | 3,738,494,134 |
| 32 | 204,649,474 | 208,637,703 | 209,361,316 | 217,515,325 | 218,187,626 | 219,030,610 | 3,716,752,369 |
| 33 | 203,101,040 | 217,673,639 | 217,694,288 | 221,997,850 | 219,076,747 | 231,404,055 | 3,759,646,574 |
| 34 | 208,914,475 | 208,347,657 | 212,341,523 | 220,904,909 | 217,798,406 | 226,645,274 | 3,727,975,796 |
| 35 | 209,351,791 | 209,314,824 | 215,785,489 | 210,335,459 | 207,023,460 | 218,318,985 | 3,723,850,697 |
| 36 | 206,653,932 | 206,851,099 | 215,453,710 | 217,223,656 | 217,132,172 | 222,449,040 | 3,747,198,612 |
| 37 | 212,114,113 | 218,791,404 | 203,835,615 | 217,752,143 | 230,094,641 | 232,453,431 | 3,763,689,857 |
| 38 | 201,250,601 | 213,550,622 | 210,210,178 | 217,345,345 | 219,667,363 | 228,660,707 | 3,704,534,250 |
| 39 | 203,919,658 | 216,907,282 | 206,182,851 | 219,870,268 | 226,931,957 | 225,266,281 | 3,746,512,154 |
| 40 | 212,695,315 | 204,090,431 | 209,896,946 | 216,068,993 | 225,221,204 | 226,260,035 | 3,724,373,063 |
| 41 | 207,528,757 | 207,583,686 | 219,760,488 | 212,777,890 | 221,240,723 | 228,115,724 | 3,739,890,141 |
| 42 | 210,122,066 | 204,157,555 | 212,527,095 | 209,810,210 | 213,720,416 | 220,962,901 | 3,709,867,332 |
| 43 | 212,868,718 | 215,390,605 | 215,331,907 | 215,531,806 | 217,209,124 | 238,232,780 | 3,780,888,317 |
| 44 | 206,828,917 | 208,287,986 | 213,362,509 | 214,383,179 | 211,369,180 | 221,765,792 | 3,718,286,568 |
| 45 | 208,586,297 | 205,888,162 | 213,024,212 | 224,133,636 | 224,632,768 | 232,664,181 | 3,746,042,067 |
| 46 | 207,609,970 | 219,502,948 | 214,199,690 | 217,293,131 | 209,215,815 | 222,826,606 | 3,747,576,186 |
| 47 | 192,934,840 | 209,290,035 | 213,370,054 | 212,195,098 | 211,359,318 | 217,230,999 | 3,698,249,857 |
| 48 | 205,259,370 | 210,525,140 | 217,788,095 | 213,236,104 | 226,815,949 | 228,497,502 | 3,738,028,618 |
| 49 | 206,829,317 | 209,430,828 | 211,326,207 | 217,683,197 | 220,506,352 | 223,914,978 | 3,733,984,352 |
| 50 | 208,567,053 | 209,821,385 | 216,773,073 | 213,986,247 | 227,023,871 | 222,517,341 | 3,760,286,161 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total System Cost |
|---|---|---|---|---|---|---|---|
| 51 | 210,376,166 | 212,295,803 | 218,142,627 | 223,481,871 | 211,789,725 | 220,562,801 | 3,732,520,679 |
| 52 | 207,538,880 | 213,574,595 | 218,865,714 | 216,374,675 | 214,737,333 | 217,770,871 | 3,739,814,183 |
| 53 | 208,073,945 | 206,094,513 | 211,960,096 | 226,885,636 | 221,916,591 | 223,264,352 | 3,714,859,082 |
| 54 | 201,048,842 | 206,150,515 | 211,545,482 | 213,027,533 | 220,863,858 | 237,573,111 | 3,744,399,137 |
| 55 | 211,675,332 | 207,918,391 | 210,230,889 | 213,791,615 | 215,143,904 | 221,459,860 | 3,707,650,244 |
| 56 | 201,679,308 | 202,862,346 | 215,805,814 | 221,362,828 | 219,372,275 | 225,202,095 | 3,736,172,815 |
| 57 | 207,291,234 | 212,060,774 | 215,813,854 | 215,745,122 | 215,849,502 | 233,257,053 | 3,719,218,302 |
| 58 | 198,548,051 | 206,976,234 | 207,425,182 | 218,059,023 | 217,570,525 | 228,963,546 | 3,717,845,922 |
| 59 | 202,936,028 | 204,033,589 | 216,194,987 | 216,429,810 | 215,570,433 | 219,476,229 | 3,715,486,477 |
| 60 | 200,557,903 | 206,440,390 | 221,200,681 | 224,928,886 | 222,498,950 | 221,141,094 | 3,729,012,594 |
| 61 | 199,868,732 | 205,126,619 | 212,580,227 | 214,525,916 | 220,439,536 | 224,434,563 | 3,718,647,527 |
| 62 | 214,279,964 | 209,388,671 | 212,801,363 | 223,507,334 | 217,444,991 | 225,279,218 | 3,748,795,832 |
| 63 | 201,819,588 | 210,032,475 | 212,106,016 | 220,434,230 | 214,435,861 | 231,788,952 | 3,727,697,307 |
| 64 | 208,509,778 | 206,034,485 | 212,370,846 | 212,631,775 | 220,682,290 | 219,322,024 | 3,722,645,364 |
| 65 | 205,896,613 | 211,782,910 | 209,733,443 | 216,636,417 | 211,292,477 | 223,044,131 | 3,754,746,582 |
| 66 | 201,430,036 | 204,573,158 | 211,306,418 | 212,470,765 | 215,097,900 | 218,469,259 | 3,675,402,817 |
| 67 | 207,545,652 | 211,123,915 | 215,435,996 | 219,579,034 | 223,390,501 | 228,483,718 | 3,763,485,694 |
| 68 | 202,322,944 | 210,780,891 | 206,083,337 | 217,555,515 | 223,503,804 | 227,066,070 | 3,730,698,785 |
| 69 | 202,738,967 | 208,415,396 | 207,253,580 | 218,528,392 | 213,660,808 | 217,775,813 | 3,672,662,017 |
| 70 | 205,874,466 | 210,265,036 | 213,983,978 | 217,335,407 | 223,988,413 | 225,706,708 | 3,756,202,928 |
| 71 | 215,228,380 | 214,990,487 | 213,241,813 | 213,926,899 | 214,958,645 | 227,817,410 | 3,752,017,032 |
| 72 | 214,062,684 | 213,334,093 | 215,956,484 | 220,582,135 | 220,618,130 | 224,940,047 | 3,753,425,584 |
| 73 | 203,916,882 | 218,044,428 | 207,804,669 | 212,037,369 | 221,468,375 | 224,704,073 | 3,722,781,325 |
| 74 | 211,213,885 | 203,261,449 | 218,744,356 | 211,776,162 | 222,519,076 | 229,739,406 | 3,748,102,384 |
| 75 | 206,367,434 | 205,293,847 | 205,091,035 | 219,091,568 | 211,400,687 | 221,300,808 | 3,723,787,716 |
| 76 | 209,218,475 | 206,507,711 | 206,847,283 | 208,507,423 | 222,378,270 | 224,371,323 | 3,733,221,239 |
| 77 | 209,958,108 | 217,266,231 | 215,297,716 | 216,081,232 | 214,080,264 | 236,914,964 | 3,770,623,764 |
| 78 | 198,156,617 | 215,120,463 | 213,579,999 | 220,073,956 | 216,010,506 | 229,672,819 | 3,772,896,176 |
| 79 | 205,266,012 | 204,327,630 | 214,826,398 | 217,239,250 | 221,777,825 | 226,006,100 | 3,728,471,237 |
| 80 | 208,276,359 | 212,065,520 | 221,117,478 | 216,496,572 | 216,554,110 | 221,477,649 | 3,731,788,177 |
| 81 | 212,377,710 | 212,831,613 | 210,619,001 | 218,730,796 | 220,254,494 | 214,787,309 | 3,736,554,015 |
| 82 | 206,887,016 | 215,202,640 | 208,196,628 | 208,068,074 | 215,021,226 | 224,789,261 | 3,714,200,965 |
| 83 | 199,439,460 | 208,359,754 | 202,829,604 | 215,205,235 | 215,813,865 | 223,836,277 | 3,693,674,317 |
| 84 | 201,700,132 | 209,470,204 | 211,354,509 | 221,618,920 | 212,942,495 | 213,836,951 | 3,712,467,108 |
| 85 | 205,192,179 | 206,543,057 | 214,903,840 | 214,012,798 | 216,023,375 | 221,307,706 | 3,708,616,586 |
| 86 | 205,230,583 | 211,439,505 | 214,102,863 | 213,789,404 | 217,330,546 | 235,308,102 | 3,741,321,674 |
| 87 | 208,804,262 | 212,278,692 | 210,672,013 | 215,242,101 | 222,712,442 | 220,501,183 | 3,745,267,731 |
| 88 | 206,492,805 | 210,037,805 | 206,686,656 | 216,740,064 | 221,147,369 | 232,570,020 | 3,729,227,708 |
| 89 | 212,206,200 | 212,474,528 | 210,798,561 | 213,050,298 | 215,434,658 | 224,388,122 | 3,741,033,276 |
| 90 | 212,975,391 | 212,138,908 | 208,509,512 | 215,852,275 | 218,191,135 | 222,982,522 | 3,750,814,615 |
| 91 | 201,543,839 | 208,584,901 | 213,661,699 | 210,100,982 | 215,255,428 | 222,846,734 | 3,720,023,077 |
| 92 | 206,659,403 | 215,543,165 | 214,213,782 | 215,361,666 | 216,446,884 | 221,015,862 | 3,737,597,563 |
| 93 | 209,227,691 | 215,386,727 | 210,248,761 | 218,237,284 | 226,939,073 | 230,409,934 | 3,757,417,193 |
| 94 | 209,206,531 | 211,469,604 | 214,965,662 | 211,989,162 | 213,416,571 | 230,882,584 | 3,765,940,696 |
| 95 | 212,541,632 | 213,204,056 | 210,025,414 | 216,703,456 | 210,771,856 | 230,883,416 | 3,742,511,071 |
| 96 | 203,829,704 | 216,330,453 | 229,424,668 | 222,413,664 | 223,762,688 | 215,818,901 | 3,743,393,727 |
| 97 | 203,963,214 | 220,988,897 | 224,321,839 | 222,580,536 | 223,288,596 | 230,461,177 | 3,772,034,813 |
| 98 | 207,642,720 | 213,944,831 | 219,333,461 | 218,173,802 | 219,780,291 | 223,402,852 | 3,756,815,104 |
| 99 | 207,562,910 | 207,631,849 | 209,412,274 | 211,186,453 | 226,630,641 | 223,327,129 | 3,740,394,600 |
| 100 | 205,732,369 | 215,425,697 | 214,520,842 | 217,648,151 | 214,779,428 | 224,540,800 | 3,727,295,372 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total System Cost |
|---|---|---|---|---|---|---|---|
| 101 | 213,028,722 | 204,729,712 | 213,052,665 | 214,930,481 | 224,334,972 | 226,976,298 | 3,736,330,073 |
| 102 | 207,213,833 | 213,821,540 | 206,368,925 | 211,742,719 | 216,363,280 | 225,600,104 | 3,720,769,711 |
| 103 | 201,092,508 | 204,129,938 | 213,565,410 | 219,573,306 | 214,902,836 | 221,156,105 | 3,719,087,754 |
| 104 | 209,906,288 | 207,031,841 | 202,697,712 | 211,021,060 | 216,407,115 | 224,396,256 | 3,710,223,217 |
| 105 | 206,627,215 | 213,660,328 | 219,529,831 | 215,802,676 | 214,790,576 | 224,776,987 | 3,734,736,759 |
| 106 | 201,944,930 | 202,241,542 | 214,996,153 | 202,787,477 | 218,544,819 | 221,059,589 | 3,689,729,618 |
| 107 | 202,269,999 | 205,442,188 | 211,145,409 | 214,615,013 | 213,740,877 | 218,299,663 | 3,694,466,427 |
| 108 | 203,875,647 | 218,867,448 | 220,372,892 | 217,153,968 | 227,978,790 | 231,487,294 | 3,761,804,735 |
| 109 | 203,907,339 | 216,059,406 | 213,870,011 | 217,077,360 | 219,891,771 | 229,587,904 | 3,757,847,237 |
| 110 | 209,016,473 | 204,746,960 | 214,406,377 | 217,046,311 | 223,911,420 | 219,782,446 | 3,750,746,353 |
| 111 | 204,842,034 | 218,388,546 | 208,881,889 | 215,543,203 | 220,392,736 | 218,391,669 | 3,716,700,340 |
| 112 | 212,140,969 | 210,707,270 | 210,482,276 | 215,623,597 | 229,473,119 | 228,816,222 | 3,741,960,296 |
| 113 | 207,514,983 | 211,620,854 | 216,569,965 | 217,507,840 | 208,454,360 | 226,054,638 | 3,745,546,974 |
| 114 | 208,320,652 | 212,757,030 | 213,227,312 | 213,390,092 | 219,532,326 | 220,774,521 | 3,731,060,425 |
| 115 | 207,548,412 | 206,023,324 | 213,960,144 | 211,128,004 | 216,364,054 | 220,523,030 | 3,703,150,953 |
| 116 | 210,024,121 | 214,955,144 | 209,107,422 | 208,844,013 | 207,027,260 | 223,084,496 | 3,734,424,568 |
| 117 | 215,447,631 | 209,691,269 | 214,314,272 | 211,065,353 | 231,748,238 | 220,944,322 | 3,753,271,661 |
| 118 | 209,554,659 | 207,742,078 | 213,275,049 | 217,887,742 | 212,785,903 | 230,483,817 | 3,737,618,852 |
| 119 | 205,376,296 | 198,877,762 | 217,159,280 | 210,494,094 | 212,100,582 | 225,528,306 | 3,703,558,029 |
| 120 | 210,313,793 | 212,114,101 | 201,985,292 | 216,290,445 | 218,016,038 | 220,607,174 | 3,716,370,094 |
| 121 | 207,202,064 | 206,382,506 | 213,332,081 | 218,959,682 | 209,828,113 | 229,092,436 | 3,724,047,394 |
| 122 | 201,014,682 | 216,181,067 | 215,532,539 | 216,187,549 | 226,463,618 | 226,675,955 | 3,726,596,443 |
| 123 | 203,930,214 | 203,440,732 | 207,118,341 | 210,568,820 | 217,904,290 | 222,426,826 | 3,705,771,925 |
| 124 | 207,185,247 | 204,740,431 | 212,759,986 | 222,972,249 | 217,393,932 | 219,469,673 | 3,733,905,931 |
| 125 | 205,841,938 | 201,986,695 | 217,298,064 | 215,419,086 | 213,863,996 | 224,290,799 | 3,708,668,718 |
| 126 | 207,012,056 | 211,787,837 | 211,629,529 | 217,378,733 | 213,173,188 | 229,194,711 | 3,736,097,151 |
| 127 | 204,042,965 | 208,387,137 | 205,716,596 | 213,298,056 | 210,229,146 | 231,542,252 | 3,719,968,709 |
| 128 | 213,469,494 | 207,302,781 | 215,112,246 | 215,326,198 | 211,891,892 | 228,708,029 | 3,728,484,111 |
| 129 | 205,675,693 | 217,612,536 | 219,027,641 | 215,945,148 | 222,585,038 | 224,236,047 | 3,760,773,731 |
| 130 | 199,592,647 | 206,339,257 | 208,176,538 | 207,952,786 | 213,084,390 | 226,166,068 | 3,684,908,536 |
| 131 | 207,296,529 | 208,121,078 | 212,993,657 | 214,723,605 | 210,168,497 | 222,636,901 | 3,710,136,958 |
| 132 | 210,298,661 | 211,827,774 | 222,178,695 | 212,563,958 | 219,154,232 | 227,707,601 | 3,732,977,822 |
| 133 | 201,840,400 | 209,541,068 | 210,502,803 | 219,225,688 | 219,054,131 | 229,205,380 | 3,732,408,199 |
| 134 | 213,868,241 | 205,640,168 | 211,507,983 | 216,386,966 | 220,296,544 | 222,337,563 | 3,737,667,824 |
| 135 | 202,531,450 | 218,633,245 | 212,887,972 | 217,564,882 | 222,962,868 | 225,926,582 | 3,755,300,548 |
| 136 | 206,330,685 | 207,586,991 | 214,977,486 | 219,377,358 | 218,487,514 | 223,010,465 | 3,750,982,351 |
| 137 | 210,788,740 | 211,338,324 | 208,133,591 | 210,949,954 | 220,357,082 | 226,783,261 | 3,726,659,384 |
| 138 | 204,640,146 | 203,287,260 | 220,139,520 | 220,047,100 | 219,562,782 | 229,432,141 | 3,732,127,496 |
| 139 | 209,629,159 | 208,516,069 | 202,855,748 | 208,305,696 | 217,355,360 | 217,549,130 | 3,709,462,188 |
| 140 | 195,779,997 | 207,016,088 | 211,770,642 | 216,338,964 | 216,366,885 | 234,062,484 | 3,723,790,704 |
| 141 | 203,180,936 | 208,937,046 | 209,292,107 | 230,359,648 | 223,798,809 | 218,345,611 | 3,750,974,333 |
| 142 | 213,801,208 | 210,748,328 | 213,416,930 | 212,532,278 | 214,953,083 | 220,445,099 | 3,727,292,853 |
| 143 | 205,292,955 | 212,516,783 | 216,116,767 | 212,527,086 | 219,731,832 | 223,589,043 | 3,727,913,583 |
| 144 | 214,170,044 | 206,373,113 | 208,370,745 | 210,691,905 | 209,571,797 | 225,271,572 | 3,727,259,745 |
| 145 | 206,475,735 | 210,525,977 | 210,795,737 | 217,813,386 | 226,438,555 | 231,545,759 | 3,757,139,712 |
| 146 | 205,959,925 | 208,087,170 | 215,828,455 | 215,866,487 | 219,380,302 | 225,640,492 | 3,729,724,374 |
| 147 | 209,404,729 | 211,401,630 | 217,653,510 | 209,026,689 | 219,152,232 | 218,980,387 | 3,726,165,306 |
| 148 | 202,587,983 | 208,944,085 | 209,468,911 | 211,490,262 | 215,147,722 | 232,441,741 | 3,723,907,254 |
| 149 | 211,370,057 | 206,627,394 | 212,678,778 | 214,175,250 | 218,311,704 | 221,207,213 | 3,738,650,009 |
| 150 | 204,509,489 | 214,255,865 | 207,715,744 | 214,181,172 | 211,782,108 | 225,911,789 | 3,730,910,970 |

| Draw | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 20-Year Total System Cost |
|---|---|---|---|---|---|---|---|
| 151 | 209,913,228 | 215,243,441 | 209,278,584 | 217,488,876 | 219,070,063 | 218,222,611 | 3,734,371,493 |
| 152 | 200,725,092 | 203,185,681 | 212,739,757 | 216,817,639 | 223,809,609 | 226,638,660 | 3,718,541,566 |
| 153 | 205,233,698 | 204,973,662 | 212,198,868 | 217,023,739 | 217,890,285 | 226,131,856 | 3,724,982,481 |
| 154 | 197,776,508 | 202,033,566 | 216,773,950 | 217,214,683 | 211,212,872 | 230,352,107 | 3,698,090,848 |
| 155 | 202,631,422 | 215,963,760 | 210,075,771 | 213,984,229 | 220,667,229 | 224,858,104 | 3,713,098,451 |
| 156 | 205,701,595 | 202,689,977 | 202,578,274 | 219,001,376 | 221,940,215 | 228,905,644 | 3,732,411,428 |
| 157 | 202,415,048 | 198,833,144 | 210,656,307 | 214,198,884 | 215,617,453 | 220,441,382 | 3,702,338,257 |
| 158 | 208,104,781 | 204,980,188 | 208,496,313 | 218,030,177 | 211,160,971 | 229,726,167 | 3,734,148,791 |
| 159 | 203,587,839 | 213,782,359 | 212,425,509 | 218,438,698 | 218,373,908 | 223,956,801 | 3,715,003,404 |
| 160 | 205,470,552 | 206,886,283 | 204,791,162 | 206,741,876 | 221,546,843 | 217,918,620 | 3,715,182,058 |
| 161 | 214,771,997 | 207,956,995 | 211,338,202 | 221,859,368 | 211,623,593 | 222,443,021 | 3,745,093,242 |
| 162 | 205,088,091 | 206,144,963 | 204,584,304 | 219,350,672 | 218,394,007 | 225,666,764 | 3,716,419,282 |
| 163 | 211,713,373 | 209,166,171 | 206,500,206 | 207,781,665 | 216,654,401 | 219,912,373 | 3,699,701,837 |
| 164 | 211,027,535 | 203,022,944 | 213,333,259 | 213,732,746 | 214,579,046 | 219,209,982 | 3,712,830,705 |
| 165 | 210,752,546 | 208,395,166 | 208,454,780 | 213,725,785 | 222,235,258 | 216,872,302 | 3,722,344,338 |
| 166 | 206,968,338 | 211,544,307 | 213,803,662 | 207,305,240 | 218,305,095 | 222,257,280 | 3,726,365,502 |
| 167 | 211,889,609 | 216,517,616 | 221,429,663 | 213,988,462 | 211,664,560 | 233,206,309 | 3,746,540,250 |
| 168 | 208,029,050 | 208,069,695 | 219,665,865 | 214,110,271 | 211,756,299 | 222,332,243 | 3,719,270,235 |
| 169 | 207,700,369 | 213,642,804 | 212,148,778 | 221,709,481 | 221,437,341 | 226,519,086 | 3,768,465,510 |
| 170 | 206,735,128 | 210,671,669 | 221,036,439 | 218,277,350 | 215,491,119 | 222,090,922 | 3,762,194,086 |
| 171 | 211,473,548 | 212,041,312 | 210,679,118 | 212,754,359 | 218,129,107 | 228,503,058 | 3,723,974,266 |
| 172 | 213,477,482 | 203,179,443 | 212,618,147 | 217,423,326 | 215,149,963 | 222,455,476 | 3,728,384,401 |
| 173 | 203,887,841 | 205,707,243 | 210,363,615 | 213,557,156 | 219,406,948 | 220,168,162 | 3,723,560,080 |
| 174 | 201,589,125 | 213,140,058 | 214,824,625 | 216,320,253 | 218,541,595 | 230,218,739 | 3,748,741,053 |
| 175 | 202,883,463 | 208,416,783 | 212,462,187 | 209,316,081 | 214,120,195 | 225,390,177 | 3,729,160,020 |
| 176 | 207,995,709 | 209,795,127 | 222,793,242 | 216,104,833 | 221,735,980 | 227,027,406 | 3,731,820,577 |
| 177 | 202,100,306 | 215,959,256 | 215,846,332 | 215,953,410 | 210,133,823 | 224,452,827 | 3,735,111,147 |
| 178 | 203,400,445 | 203,724,850 | 215,243,854 | 216,093,818 | 217,910,622 | 218,370,725 | 3,717,042,455 |
| 179 | 209,860,862 | 209,007,152 | 210,268,819 | 210,943,508 | 213,766,480 | 229,998,938 | 3,726,605,394 |
| 180 | 204,536,887 | 212,297,035 | 217,100,033 | 219,346,287 | 215,635,633 | 221,955,373 | 3,734,953,413 |
| 181 | 208,190,326 | 212,621,521 | 213,755,294 | 209,202,762 | 216,865,150 | 219,642,454 | 3,726,932,038 |
| 182 | 205,434,170 | 207,880,820 | 217,664,927 | 213,580,508 | 225,029,136 | 219,305,195 | 3,712,653,210 |
| 183 | 204,802,977 | 210,712,142 | 219,537,963 | 215,264,066 | 220,414,012 | 220,622,203 | 3,710,770,219 |
| 184 | 204,233,883 | 212,013,299 | 205,713,516 | 207,733,238 | 208,328,501 | 216,186,369 | 3,676,381,435 |
| 185 | 206,890,357 | 207,606,948 | 219,267,047 | 217,220,908 | 218,141,444 | 232,562,976 | 3,754,979,127 |
| 186 | 209,501,526 | 205,646,975 | 214,041,691 | 215,304,726 | 214,904,526 | 217,249,362 | 3,713,023,583 |
| 187 | 205,172,152 | 211,731,396 | 211,434,003 | 213,992,967 | 212,309,977 | 218,734,971 | 3,738,840,589 |
| 188 | 212,981,617 | 210,822,507 | 213,811,620 | 219,423,406 | 217,743,464 | 229,855,896 | 3,760,861,218 |
| 189 | 209,838,354 | 207,344,118 | 211,945,602 | 218,025,353 | 211,042,353 | 220,442,408 | 3,725,564,583 |
| 190 | 205,918,488 | 215,739,030 | 213,689,723 | 207,267,563 | 214,660,317 | 224,221,682 | 3,709,897,739 |
| 191 | 202,393,443 | 213,677,725 | 207,356,652 | 216,909,173 | 217,961,372 | 225,267,387 | 3,722,652,130 |
| 192 | 198,229,437 | 218,975,688 | 213,769,290 | 207,373,512 | 222,213,338 | 220,717,228 | 3,707,823,194 |
| 193 | 209,042,923 | 209,772,886 | 216,356,695 | 221,143,849 | 220,491,887 | 228,280,916 | 3,739,153,327 |
| 194 | 210,456,286 | 208,456,130 | 209,821,688 | 212,916,970 | 218,952,092 | 224,579,400 | 3,730,158,945 |
| 195 | 205,245,177 | 209,750,566 | 209,363,739 | 218,666,853 | 220,814,771 | 222,532,874 | 3,736,948,927 |
| 196 | 203,394,958 | 212,430,387 | 212,267,384 | 221,871,621 | 214,553,857 | 221,796,050 | 3,721,867,538 |
| 197 | 205,435,387 | 209,088,133 | 202,758,937 | 214,991,934 | 224,553,891 | 232,836,363 | 3,742,612,892 |
| 198 | 205,995,581 | 205,845,697 | 216,199,553 | 208,280,781 | 215,320,445 | 225,142,194 | 3,697,414,090 |
| 199 | 204,306,166 | 212,271,414 | 222,160,740 | 223,493,109 | 223,050,942 | 221,753,918 | 3,754,161,188 |
| 200 | 207,073,671 | 215,295,724 | 221,818,122 | 217,401,242 | 213,081,271 | 219,124,910 | 3,756,313,564 |

| | 2018 | | | 2019 | | |
|---|---|---|---|---|---|---|
| **Draw** | **Min** | **Average** | **Max** | **Min** | **Average** | **Max** |
| 1 | $ 2.9320 | $ 3.6478 | $ 4.2883 | $ 3.0567 | $ 3.8857 | $ 5.0149 |
| 2 | $ 3.1386 | $ 3.6449 | $ 4.2516 | $ 3.4219 | $ 3.9733 | $ 4.8305 |
| 3 | $ 3.3187 | $ 3.6758 | $ 4.1081 | $ 3.3761 | $ 3.8252 | $ 4.9922 |
| 4 | $ 3.2085 | $ 3.7861 | $ 4.3147 | $ 3.3834 | $ 3.8866 | $ 4.4588 |
| 5 | $ 3.2372 | $ 3.6136 | $ 4.3551 | $ 3.1994 | $ 3.8115 | $ 5.0072 |
| 6 | $ 2.9270 | $ 3.6519 | $ 4.3514 | $ 3.1306 | $ 3.8632 | $ 4.7804 |
| 7 | $ 3.0190 | $ 3.6733 | $ 4.2121 | $ 3.6009 | $ 3.9788 | $ 4.5825 |
| 8 | $ 3.0844 | $ 3.7890 | $ 4.3932 | $ 2.9369 | $ 3.7492 | $ 4.4798 |
| 9 | $ 2.9270 | $ 3.8236 | $ 4.6406 | $ 3.0110 | $ 3.9033 | $ 4.6096 |
| 10 | $ 3.1253 | $ 3.6072 | $ 4.0937 | $ 2.9425 | $ 3.8584 | $ 4.6961 |
| 11 | $ 3.1320 | $ 3.6638 | $ 4.6423 | $ 2.9369 | $ 4.0012 | $ 4.9889 |
| 12 | $ 3.3425 | $ 3.5936 | $ 3.9399 | $ 3.0411 | $ 3.9514 | $ 4.7488 |
| 13 | $ 3.2995 | $ 3.8523 | $ 4.4917 | $ 3.2587 | $ 3.6503 | $ 3.9711 |
| 14 | $ 3.0042 | $ 3.8148 | $ 4.7588 | $ 2.9429 | $ 3.6665 | $ 4.3538 |
| 15 | $ 3.1404 | $ 3.6041 | $ 4.5358 | $ 3.0151 | $ 3.6675 | $ 4.3731 |
| 16 | $ 3.1057 | $ 3.6570 | $ 4.5414 | $ 3.1430 | $ 3.9025 | $ 4.5758 |
| 17 | $ 3.1371 | $ 3.6803 | $ 4.3027 | $ 2.9369 | $ 3.6332 | $ 5.2538 |
| 18 | $ 3.0419 | $ 3.5118 | $ 4.2735 | $ 3.0567 | $ 3.7876 | $ 4.5345 |
| 19 | $ 3.0132 | $ 3.6348 | $ 3.9284 | $ 3.0411 | $ 3.7493 | $ 4.6669 |
| 20 | $ 3.0633 | $ 3.5572 | $ 4.1233 | $ 3.4721 | $ 3.8727 | $ 4.6173 |
| 21 | $ 3.3470 | $ 3.9067 | $ 4.5695 | $ 3.0776 | $ 3.5769 | $ 4.1456 |
| 22 | $ 3.1655 | $ 3.6495 | $ 4.4829 | $ 3.1392 | $ 3.8092 | $ 4.2483 |
| 23 | $ 3.1320 | $ 3.7593 | $ 4.3571 | $ 3.0162 | $ 3.9159 | $ 5.0072 |
| 24 | $ 2.9270 | $ 3.7525 | $ 4.5774 | $ 2.9425 | $ 3.6478 | $ 4.6658 |
| 25 | $ 3.0594 | $ 3.6978 | $ 4.6948 | $ 3.2694 | $ 3.7134 | $ 4.2610 |
| 26 | $ 3.2283 | $ 3.8398 | $ 4.7137 | $ 3.1802 | $ 3.8350 | $ 4.5260 |
| 27 | $ 3.1342 | $ 3.5596 | $ 4.1036 | $ 3.3119 | $ 3.8581 | $ 5.0149 |
| 28 | $ 3.0132 | $ 3.7667 | $ 4.2343 | $ 3.0567 | $ 3.8151 | $ 4.7613 |
| 29 | $ 2.9856 | $ 3.5453 | $ 4.2374 | $ 3.0018 | $ 3.5047 | $ 3.7881 |
| 30 | $ 3.0042 | $ 3.7141 | $ 4.2767 | $ 3.2293 | $ 3.7757 | $ 4.4944 |
| 31 | $ 3.1055 | $ 3.9521 | $ 4.5308 | $ 3.0611 | $ 3.7932 | $ 4.7826 |
| 32 | $ 3.0042 | $ 3.5812 | $ 4.2603 | $ 3.2453 | $ 3.9207 | $ 4.5374 |
| 33 | $ 3.0042 | $ 3.7093 | $ 4.5913 | $ 2.9429 | $ 3.6628 | $ 4.8162 |
| 34 | $ 3.1055 | $ 3.7924 | $ 4.6982 | $ 3.0411 | $ 3.6628 | $ 4.4663 |
| 35 | $ 3.2776 | $ 3.6584 | $ 4.2209 | $ 3.1107 | $ 3.9607 | $ 4.9863 |
| 36 | $ 3.0132 | $ 3.8244 | $ 4.6691 | $ 2.9429 | $ 3.9106 | $ 4.8058 |
| 37 | $ 3.0366 | $ 3.7400 | $ 4.4066 | $ 2.8846 | $ 3.8237 | $ 4.8292 |
| 38 | $ 3.1055 | $ 3.6998 | $ 4.0838 | $ 3.0567 | $ 3.8408 | $ 4.5677 |
| 39 | $ 3.0169 | $ 3.7148 | $ 4.5764 | $ 3.2841 | $ 3.9323 | $ 4.6317 |
| 40 | $ 3.1055 | $ 3.7243 | $ 3.9990 | $ 2.9425 | $ 3.5367 | $ 4.2524 |
| 41 | $ 3.0042 | $ 3.6041 | $ 4.3359 | $ 3.0159 | $ 3.6209 | $ 4.5093 |
| 42 | $ 3.1520 | $ 3.7519 | $ 4.3005 | $ 3.2525 | $ 3.9036 | $ 4.8358 |
| 43 | $ 3.0517 | $ 3.5845 | $ 4.2495 | $ 3.0162 | $ 3.6135 | $ 4.4542 |
| 44 | $ 3.3255 | $ 3.7669 | $ 4.5199 | $ 3.0567 | $ 3.9056 | $ 4.7687 |
| 45 | $ 3.0190 | $ 3.7894 | $ 4.6013 | $ 3.1376 | $ 3.8352 | $ 4.3902 |
| 46 | $ 3.1055 | $ 3.5551 | $ 3.8775 | $ 3.3474 | $ 3.9269 | $ 4.6764 |
| 47 | $ 3.1645 | $ 3.7432 | $ 4.5807 | $ 3.1401 | $ 3.9783 | $ 4.7620 |
| 48 | $ 3.1249 | $ 3.5919 | $ 4.1194 | $ 3.1802 | $ 3.5754 | $ 4.2223 |
| 49 | $ 2.9270 | $ 3.7188 | $ 4.1688 | $ 3.0127 | $ 3.7511 | $ 4.3666 |
| 50 | $ 3.2355 | $ 3.6397 | $ 4.0673 | $ 3.1889 | $ 3.9072 | $ 4.7602 |

| | 2018 | | | 2019 | | |
|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.9270 | $ 3.8138 | $ 4.5672 | $ 3.2403 | $ 3.9884 | $ 4.8793 |
| 52 | $ 3.2487 | $ 3.7993 | $ 4.2846 | $ 2.9494 | $ 3.9564 | $ 5.0072 |
| 53 | $ 2.9270 | $ 3.6955 | $ 4.4019 | $ 3.0162 | $ 3.7449 | $ 4.7547 |
| 54 | $ 3.1046 | $ 3.8266 | $ 4.5103 | $ 2.9378 | $ 3.8973 | $ 4.9323 |
| 55 | $ 3.3805 | $ 3.8345 | $ 4.3105 | $ 3.2739 | $ 4.0951 | $ 4.5260 |
| 56 | $ 3.1534 | $ 3.7867 | $ 4.4149 | $ 3.2421 | $ 3.6782 | $ 4.2127 |
| 57 | $ 3.0209 | $ 3.8442 | $ 4.5522 | $ 2.9369 | $ 3.7004 | $ 4.7842 |
| 58 | $ 3.1781 | $ 3.6995 | $ 4.3774 | $ 2.8846 | $ 3.4847 | $ 4.0266 |
| 59 | $ 3.1815 | $ 3.6965 | $ 3.9918 | $ 3.0582 | $ 3.8022 | $ 4.6835 |
| 60 | $ 3.0639 | $ 3.6026 | $ 3.9581 | $ 3.2199 | $ 3.8181 | $ 4.7979 |
| 61 | $ 3.2053 | $ 3.7628 | $ 4.6267 | $ 3.1000 | $ 3.9395 | $ 5.2538 |
| 62 | $ 3.0844 | $ 3.7188 | $ 4.5173 | $ 3.4826 | $ 3.9570 | $ 4.5313 |
| 63 | $ 3.1654 | $ 3.7792 | $ 4.1883 | $ 3.0162 | $ 3.9361 | $ 4.8050 |
| 64 | $ 3.1055 | $ 3.6684 | $ 4.3436 | $ 3.0153 | $ 3.8925 | $ 4.5803 |
| 65 | $ 3.0658 | $ 3.7123 | $ 4.3245 | $ 3.0264 | $ 3.7308 | $ 4.9369 |
| 66 | $ 3.0791 | $ 3.6454 | $ 4.2157 | $ 2.9369 | $ 3.8960 | $ 4.9901 |
| 67 | $ 3.1055 | $ 3.7139 | $ 4.2131 | $ 3.1724 | $ 3.7155 | $ 4.7761 |
| 68 | $ 3.0980 | $ 3.7439 | $ 4.2156 | $ 3.0776 | $ 3.6216 | $ 4.3185 |
| 69 | $ 3.1534 | $ 3.7709 | $ 4.4378 | $ 3.1702 | $ 3.9561 | $ 4.9901 |
| 70 | $ 3.4085 | $ 3.9009 | $ 4.4495 | $ 3.2178 | $ 4.1423 | $ 4.7482 |
| 71 | $ 3.3339 | $ 3.7975 | $ 4.4525 | $ 3.0411 | $ 3.8532 | $ 4.7066 |
| 72 | $ 3.1751 | $ 3.8392 | $ 4.3644 | $ 3.2162 | $ 3.8334 | $ 4.5702 |
| 73 | $ 3.0132 | $ 3.7201 | $ 4.4809 | $ 3.1065 | $ 3.7277 | $ 4.4366 |
| 74 | $ 3.0532 | $ 3.6927 | $ 4.5369 | $ 2.8846 | $ 3.5690 | $ 4.3235 |
| 75 | $ 3.4137 | $ 3.7808 | $ 4.1854 | $ 2.9977 | $ 3.6476 | $ 4.9922 |
| 76 | $ 3.0190 | $ 3.6467 | $ 4.5303 | $ 3.2135 | $ 4.0658 | $ 4.9168 |
| 77 | $ 3.0190 | $ 3.6084 | $ 4.1483 | $ 3.2732 | $ 3.7692 | $ 4.6093 |
| 78 | $ 2.9913 | $ 3.6099 | $ 4.1127 | $ 2.8846 | $ 3.8149 | $ 5.2538 |
| 79 | $ 2.9913 | $ 3.8650 | $ 4.3920 | $ 3.0776 | $ 3.8333 | $ 4.9922 |
| 80 | $ 3.3863 | $ 3.7123 | $ 4.5725 | $ 3.1964 | $ 3.8721 | $ 4.7553 |
| 81 | $ 3.1630 | $ 3.7527 | $ 4.3860 | $ 3.1541 | $ 3.7090 | $ 4.7226 |
| 82 | $ 3.2252 | $ 3.8078 | $ 4.1725 | $ 3.0411 | $ 3.6235 | $ 4.5127 |
| 83 | $ 3.0042 | $ 3.5835 | $ 4.2720 | $ 3.0690 | $ 3.6831 | $ 4.9167 |
| 84 | $ 3.2415 | $ 3.8153 | $ 4.9363 | $ 2.9230 | $ 3.8118 | $ 4.4210 |
| 85 | $ 3.4224 | $ 3.7740 | $ 4.2715 | $ 3.0370 | $ 3.8283 | $ 4.5715 |
| 86 | $ 2.9540 | $ 3.7568 | $ 4.4239 | $ 3.1759 | $ 3.8664 | $ 4.8667 |
| 87 | $ 3.0042 | $ 3.5086 | $ 4.1444 | $ 2.9884 | $ 3.8864 | $ 4.9922 |
| 88 | $ 3.2067 | $ 3.8875 | $ 4.9363 | $ 3.3104 | $ 3.9841 | $ 4.7474 |
| 89 | $ 3.2053 | $ 3.6893 | $ 4.2815 | $ 3.3545 | $ 3.7193 | $ 4.1238 |
| 90 | $ 2.9270 | $ 3.5812 | $ 4.0557 | $ 3.0411 | $ 3.5783 | $ 4.9603 |
| 91 | $ 3.1927 | $ 3.6747 | $ 4.1941 | $ 3.1887 | $ 3.8797 | $ 4.6118 |
| 92 | $ 3.1355 | $ 3.5849 | $ 4.3159 | $ 3.0617 | $ 3.8812 | $ 4.7140 |
| 93 | $ 3.0042 | $ 3.5783 | $ 4.2781 | $ 3.1038 | $ 3.8244 | $ 5.2538 |
| 94 | $ 3.1588 | $ 3.8537 | $ 4.5725 | $ 2.9425 | $ 3.7366 | $ 4.4719 |
| 95 | $ 3.1789 | $ 3.8307 | $ 4.8001 | $ 3.1865 | $ 3.7652 | $ 4.4586 |
| 96 | $ 2.9913 | $ 3.4175 | $ 3.7869 | $ 3.0567 | $ 3.8774 | $ 4.6088 |
| 97 | $ 3.3418 | $ 3.9050 | $ 4.6011 | $ 3.0965 | $ 3.8010 | $ 4.5195 |
| 98 | $ 3.2756 | $ 3.8158 | $ 4.3680 | $ 3.0162 | $ 3.8787 | $ 5.0072 |
| 99 | $ 3.1936 | $ 3.6097 | $ 4.2183 | $ 3.1004 | $ 3.8119 | $ 4.1935 |
| 100 | $ 3.1496 | $ 3.8009 | $ 4.7249 | $ 3.0567 | $ 3.4421 | $ 4.0681 |

| | 2018 | | | 2019 | | |
|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max |
| 101 | $ 3.1134 | $ 3.6631 | $ 4.3242 | $ 2.9425 | $ 3.7559 | $ 4.3562 |
| 102 | $ 3.0132 | $ 3.6864 | $ 4.4047 | $ 2.9723 | $ 3.9293 | $ 5.0072 |
| 103 | $ 3.3027 | $ 3.6463 | $ 4.3626 | $ 2.9369 | $ 3.4846 | $ 4.2049 |
| 104 | $ 2.9913 | $ 3.6709 | $ 4.3983 | $ 3.2223 | $ 3.9356 | $ 4.9922 |
| 105 | $ 3.0949 | $ 3.8762 | $ 4.5366 | $ 2.8846 | $ 3.9278 | $ 4.7240 |
| 106 | $ 3.1478 | $ 3.7369 | $ 4.8589 | $ 3.1015 | $ 3.9669 | $ 4.5154 |
| 107 | $ 3.2974 | $ 3.8386 | $ 4.2331 | $ 3.0283 | $ 3.6299 | $ 4.7916 |
| 108 | $ 3.2756 | $ 3.9339 | $ 4.7768 | $ 2.9369 | $ 3.8531 | $ 5.0028 |
| 109 | $ 3.0384 | $ 3.6251 | $ 4.2946 | $ 3.1771 | $ 3.9119 | $ 4.9908 |
| 110 | $ 3.2449 | $ 3.8687 | $ 4.7885 | $ 3.0939 | $ 3.7340 | $ 4.3304 |
| 111 | $ 3.1055 | $ 3.6444 | $ 4.0532 | $ 3.0370 | $ 3.9191 | $ 5.0028 |
| 112 | $ 3.0132 | $ 3.7575 | $ 4.3529 | $ 2.9884 | $ 3.6711 | $ 5.0072 |
| 113 | $ 3.0349 | $ 3.6925 | $ 4.6011 | $ 2.9429 | $ 3.6076 | $ 4.3054 |
| 114 | $ 3.1534 | $ 3.7213 | $ 4.2108 | $ 2.9425 | $ 3.5985 | $ 4.4986 |
| 115 | $ 3.1504 | $ 3.8485 | $ 4.5975 | $ 2.9369 | $ 3.5929 | $ 4.3731 |
| 116 | $ 2.9913 | $ 3.6125 | $ 4.2358 | $ 3.0134 | $ 3.7500 | $ 4.6370 |
| 117 | $ 3.2997 | $ 3.8402 | $ 4.1436 | $ 2.8850 | $ 3.7215 | $ 4.6354 |
| 118 | $ 3.1014 | $ 3.6701 | $ 4.1274 | $ 2.9429 | $ 3.7749 | $ 4.4088 |
| 119 | $ 3.0844 | $ 3.8337 | $ 4.1836 | $ 2.8846 | $ 3.7291 | $ 4.9240 |
| 120 | $ 3.1599 | $ 3.7378 | $ 4.5823 | $ 2.8895 | $ 3.9344 | $ 4.7123 |
| 121 | $ 3.0844 | $ 3.7815 | $ 4.6928 | $ 3.0568 | $ 3.6845 | $ 4.5312 |
| 122 | $ 3.1871 | $ 3.8031 | $ 4.3984 | $ 3.1213 | $ 3.7297 | $ 4.8805 |
| 123 | $ 3.0509 | $ 3.7447 | $ 4.1937 | $ 3.0737 | $ 3.6355 | $ 4.3303 |
| 124 | $ 3.2756 | $ 3.7963 | $ 4.1270 | $ 2.9429 | $ 3.8303 | $ 4.8054 |
| 125 | $ 3.0132 | $ 3.6336 | $ 4.1211 | $ 3.2634 | $ 3.9310 | $ 4.7922 |
| 126 | $ 3.0132 | $ 3.7642 | $ 4.3213 | $ 3.1673 | $ 3.6833 | $ 4.3398 |
| 127 | $ 3.2226 | $ 3.7915 | $ 4.2655 | $ 3.0370 | $ 3.6938 | $ 4.6306 |
| 128 | $ 3.1490 | $ 3.8179 | $ 4.5725 | $ 3.1773 | $ 4.0501 | $ 4.6899 |
| 129 | $ 2.9270 | $ 3.6422 | $ 4.2352 | $ 3.1985 | $ 3.8375 | $ 4.6270 |
| 130 | $ 2.9913 | $ 3.7135 | $ 4.6112 | $ 2.9425 | $ 3.8057 | $ 5.0072 |
| 131 | $ 3.1205 | $ 3.7749 | $ 4.4956 | $ 3.2423 | $ 3.8360 | $ 4.4672 |
| 132 | $ 3.1427 | $ 3.6926 | $ 4.2896 | $ 3.0372 | $ 3.7565 | $ 4.3063 |
| 133 | $ 3.1720 | $ 3.6310 | $ 4.4223 | $ 2.8846 | $ 3.4227 | $ 3.8447 |
| 134 | $ 3.0792 | $ 3.7055 | $ 4.4391 | $ 3.2659 | $ 3.7302 | $ 4.6291 |
| 135 | $ 3.2756 | $ 3.7803 | $ 4.5725 | $ 2.9425 | $ 3.8884 | $ 4.7554 |
| 136 | $ 3.0190 | $ 3.7543 | $ 4.3585 | $ 3.4134 | $ 3.8493 | $ 4.2816 |
| 137 | $ 3.1055 | $ 3.7059 | $ 4.1854 | $ 3.0399 | $ 3.5880 | $ 4.3933 |
| 138 | $ 3.3804 | $ 3.7655 | $ 4.2695 | $ 3.2901 | $ 3.9702 | $ 5.1132 |
| 139 | $ 3.1055 | $ 3.6081 | $ 4.0171 | $ 3.3193 | $ 3.9463 | $ 4.7748 |
| 140 | $ 3.2379 | $ 3.6534 | $ 4.4659 | $ 2.9425 | $ 3.9379 | $ 4.8086 |
| 141 | $ 3.0311 | $ 3.7581 | $ 4.6948 | $ 3.0370 | $ 3.8021 | $ 4.4203 |
| 142 | $ 3.0042 | $ 3.6925 | $ 4.1917 | $ 2.9429 | $ 3.6986 | $ 5.2538 |
| 143 | $ 3.2598 | $ 3.7429 | $ 4.3842 | $ 3.0348 | $ 3.8374 | $ 4.7279 |
| 144 | $ 3.2927 | $ 3.7043 | $ 4.6357 | $ 3.4433 | $ 4.0204 | $ 4.8144 |
| 145 | $ 3.2582 | $ 3.6965 | $ 4.1909 | $ 3.3062 | $ 3.8143 | $ 4.7284 |
| 146 | $ 3.4292 | $ 3.7851 | $ 4.6851 | $ 2.9884 | $ 3.5608 | $ 4.5287 |
| 147 | $ 3.0132 | $ 3.6622 | $ 4.3747 | $ 3.0567 | $ 3.8635 | $ 5.0149 |
| 148 | $ 3.2829 | $ 3.7627 | $ 4.4573 | $ 2.9599 | $ 3.8806 | $ 4.7550 |
| 149 | $ 3.0035 | $ 3.6133 | $ 4.0025 | $ 2.9994 | $ 3.6935 | $ 4.0637 |
| 150 | $ 3.1489 | $ 3.6918 | $ 4.1686 | $ 3.5470 | $ 4.0453 | $ 4.7409 |

| | 2018 | | | 2019 | | |
|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max |
| 151 | $ 3.0132 | $ 3.6691 | $ 4.6135 | $ 3.0370 | $ 3.8439 | $ 4.6230 |
| 152 | $ 3.0042 | $ 3.5443 | $ 4.3539 | $ 2.8846 | $ 3.6974 | $ 4.6150 |
| 153 | $ 3.2184 | $ 3.7347 | $ 4.9363 | $ 3.0370 | $ 3.5504 | $ 4.6619 |
| 154 | $ 3.1261 | $ 3.5861 | $ 4.1352 | $ 3.0105 | $ 3.5200 | $ 4.5373 |
| 155 | $ 3.1055 | $ 3.6814 | $ 4.3750 | $ 3.1523 | $ 3.9283 | $ 5.0028 |
| 156 | $ 3.1319 | $ 3.7051 | $ 4.3257 | $ 3.0226 | $ 4.1472 | $ 5.0710 |
| 157 | $ 2.9913 | $ 3.7560 | $ 4.8573 | $ 2.9593 | $ 3.5850 | $ 4.0396 |
| 158 | $ 3.1590 | $ 3.7580 | $ 4.3827 | $ 3.0162 | $ 3.7748 | $ 5.0149 |
| 159 | $ 3.0915 | $ 3.7461 | $ 4.5127 | $ 2.9884 | $ 3.8719 | $ 5.2538 |
| 160 | $ 3.3287 | $ 3.7548 | $ 4.3401 | $ 3.1670 | $ 3.7853 | $ 5.0710 |
| 161 | $ 3.2923 | $ 3.7171 | $ 4.1570 | $ 2.9429 | $ 3.6726 | $ 4.4179 |
| 162 | $ 2.9270 | $ 3.7486 | $ 4.6246 | $ 3.1827 | $ 3.9236 | $ 4.6202 |
| 163 | $ 3.3373 | $ 3.7176 | $ 4.5752 | $ 3.0380 | $ 3.5952 | $ 4.9568 |
| 164 | $ 3.3405 | $ 3.8386 | $ 4.1503 | $ 2.9415 | $ 3.7999 | $ 4.4848 |
| 165 | $ 3.0132 | $ 3.7498 | $ 4.3938 | $ 2.8846 | $ 3.7946 | $ 5.1948 |
| 166 | $ 3.1968 | $ 3.6493 | $ 4.1135 | $ 2.9369 | $ 3.7859 | $ 4.7279 |
| 167 | $ 3.5498 | $ 3.7306 | $ 4.2397 | $ 2.9425 | $ 3.9241 | $ 5.0028 |
| 168 | $ 3.0190 | $ 3.6497 | $ 4.6101 | $ 2.9429 | $ 3.8257 | $ 4.7529 |
| 169 | $ 3.1120 | $ 3.7926 | $ 4.2567 | $ 3.0271 | $ 3.6730 | $ 4.2298 |
| 170 | $ 3.0042 | $ 3.6362 | $ 4.2753 | $ 2.9425 | $ 3.7734 | $ 4.9003 |
| 171 | $ 3.0132 | $ 3.6421 | $ 4.2053 | $ 3.2634 | $ 3.9312 | $ 4.7278 |
| 172 | $ 3.4780 | $ 3.7197 | $ 4.0450 | $ 3.5052 | $ 4.0077 | $ 4.9950 |
| 173 | $ 3.1055 | $ 3.4909 | $ 4.2121 | $ 3.1647 | $ 3.6868 | $ 4.3280 |
| 174 | $ 2.9270 | $ 3.5868 | $ 4.1487 | $ 3.2309 | $ 3.8889 | $ 4.8527 |
| 175 | $ 3.3588 | $ 3.8023 | $ 4.0887 | $ 3.3455 | $ 3.8290 | $ 4.4263 |
| 176 | $ 3.0190 | $ 3.6396 | $ 4.2100 | $ 3.2765 | $ 3.6734 | $ 4.4646 |
| 177 | $ 3.0847 | $ 3.5949 | $ 4.3162 | $ 3.0567 | $ 3.7819 | $ 4.4468 |
| 178 | $ 2.9270 | $ 3.5643 | $ 4.3229 | $ 2.9429 | $ 3.4438 | $ 4.6632 |
| 179 | $ 3.2017 | $ 3.7585 | $ 4.2808 | $ 2.8846 | $ 3.7609 | $ 4.4401 |
| 180 | $ 3.0190 | $ 3.6001 | $ 4.2591 | $ 2.9425 | $ 3.6616 | $ 4.3863 |
| 181 | $ 3.0097 | $ 3.6447 | $ 4.2038 | $ 3.0370 | $ 3.8839 | $ 5.0028 |
| 182 | $ 3.0132 | $ 3.6450 | $ 4.4005 | $ 3.0567 | $ 3.9016 | $ 4.8982 |
| 183 | $ 3.1331 | $ 3.6131 | $ 4.3081 | $ 3.0370 | $ 3.7223 | $ 4.3323 |
| 184 | $ 3.0992 | $ 3.7132 | $ 4.5618 | $ 2.9884 | $ 3.7518 | $ 4.6825 |
| 185 | $ 3.2039 | $ 3.6056 | $ 4.1628 | $ 3.2327 | $ 3.9338 | $ 5.2538 |
| 186 | $ 3.2203 | $ 3.8134 | $ 4.3136 | $ 3.4330 | $ 4.0215 | $ 4.6563 |
| 187 | $ 3.0190 | $ 3.7375 | $ 4.5594 | $ 2.9425 | $ 3.5060 | $ 3.7732 |
| 188 | $ 3.2456 | $ 3.7391 | $ 4.2044 | $ 2.8846 | $ 3.6170 | $ 4.3676 |
| 189 | $ 3.2702 | $ 3.6749 | $ 4.0652 | $ 3.0716 | $ 3.6359 | $ 4.0888 |
| 190 | $ 3.2494 | $ 3.6789 | $ 4.3373 | $ 3.1119 | $ 3.7049 | $ 5.0072 |
| 191 | $ 2.9538 | $ 3.7180 | $ 4.6249 | $ 2.9369 | $ 3.7593 | $ 4.2530 |
| 192 | $ 3.0068 | $ 3.6429 | $ 4.1704 | $ 3.0990 | $ 3.6515 | $ 5.0782 |
| 193 | $ 3.2652 | $ 3.7038 | $ 4.8001 | $ 3.1970 | $ 3.7275 | $ 4.3029 |
| 194 | $ 3.2765 | $ 3.8026 | $ 4.2596 | $ 3.0544 | $ 3.8858 | $ 4.9473 |
| 195 | $ 3.3071 | $ 3.7954 | $ 4.2245 | $ 3.1431 | $ 3.8184 | $ 4.5124 |
| 196 | $ 3.0533 | $ 3.7744 | $ 4.2234 | $ 3.0306 | $ 3.6298 | $ 4.3645 |
| 197 | $ 3.2263 | $ 3.6685 | $ 4.4640 | $ 2.9772 | $ 3.8157 | $ 4.9037 |
| 198 | $ 3.0132 | $ 3.8433 | $ 4.6790 | $ 3.2853 | $ 3.8518 | $ 4.5974 |
| 199 | $ 3.0132 | $ 3.5365 | $ 4.0800 | $ 2.9674 | $ 3.6036 | $ 4.5618 |
| 200 | $ 3.0243 | $ 3.6252 | $ 4.3451 | $ 3.2665 | $ 3.9576 | $ 4.8448 |
| Min | $ 2.9270 | $ 3.4175 | $ 3.7869 | $ 2.8846 | $ 3.4227 | $ 3.7732 |
| Average | $ 3.1285 | $ 3.7122 | $ 4.3614 | $ 3.0881 | $ 3.7931 | $ 4.6576 |
| Max | $ 3.5498 | $ 3.9521 | $ 4.9363 | $ 3.6009 | $ 4.1472 | $ 5.2538 |

| | 2020 | | | 2021 | | | 2022 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 3.1575 | $ 3.7808 | $ 5.5352 | $ 3.2288 | $ 4.2820 | $ 4.9323 | $ 2.8194 | $ 4.1420 | $ 6.2010 |
| 2 | $ 3.1217 | $ 3.9319 | $ 5.0487 | $ 3.4787 | $ 4.2278 | $ 5.0383 | $ 3.6156 | $ 4.6326 | $ 5.7255 |
| 3 | $ 3.3088 | $ 4.1100 | $ 4.6516 | $ 2.9576 | $ 4.0271 | $ 4.7749 | $ 2.9627 | $ 4.1077 | $ 5.0336 |
| 4 | $ 3.3295 | $ 4.3359 | $ 5.3380 | $ 3.1593 | $ 4.4365 | $ 5.8973 | $ 3.1154 | $ 4.4286 | $ 6.3349 |
| 5 | $ 3.3551 | $ 4.0775 | $ 5.3817 | $ 3.2485 | $ 4.0478 | $ 5.0456 | $ 3.0955 | $ 4.0954 | $ 5.3040 |
| 6 | $ 3.5278 | $ 3.8771 | $ 4.5371 | $ 2.9556 | $ 3.8628 | $ 4.9941 | $ 2.9180 | $ 4.5980 | $ 5.9596 |
| 7 | $ 3.3009 | $ 4.2051 | $ 5.5062 | $ 2.7765 | $ 4.0147 | $ 5.4372 | $ 2.9506 | $ 4.0568 | $ 5.3486 |
| 8 | $ 3.4190 | $ 4.2112 | $ 5.0309 | $ 3.0532 | $ 3.8237 | $ 4.8056 | $ 2.9866 | $ 3.9390 | $ 5.0544 |
| 9 | $ 3.0163 | $ 4.0869 | $ 5.3665 | $ 3.3064 | $ 3.9883 | $ 5.6740 | $ 3.4533 | $ 4.4016 | $ 6.2679 |
| 10 | $ 3.0123 | $ 3.9557 | $ 5.0353 | $ 3.1491 | $ 3.9563 | $ 5.4223 | $ 2.7539 | $ 4.5348 | $ 6.6523 |
| 11 | $ 3.1278 | $ 4.1195 | $ 5.0861 | $ 3.3067 | $ 4.1340 | $ 5.6835 | $ 2.8565 | $ 4.2465 | $ 5.7374 |
| 12 | $ 3.0573 | $ 3.9283 | $ 4.5573 | $ 2.8948 | $ 3.9605 | $ 5.8652 | $ 3.0839 | $ 4.1039 | $ 5.3766 |
| 13 | $ 2.9542 | $ 3.8889 | $ 4.7288 | $ 2.8241 | $ 3.9153 | $ 4.9347 | $ 3.2315 | $ 4.4741 | $ 6.2726 |
| 14 | $ 3.0123 | $ 4.2273 | $ 5.2427 | $ 3.1098 | $ 3.9884 | $ 5.0001 | $ 2.7443 | $ 3.8071 | $ 6.2084 |
| 15 | $ 3.0752 | $ 4.0052 | $ 5.0078 | $ 3.2375 | $ 4.2730 | $ 5.7286 | $ 2.8758 | $ 3.8624 | $ 5.5408 |
| 16 | $ 2.9542 | $ 3.9172 | $ 4.5602 | $ 2.9917 | $ 4.0565 | $ 5.2468 | $ 3.0632 | $ 4.0864 | $ 5.0034 |
| 17 | $ 3.2490 | $ 4.1244 | $ 5.6665 | $ 3.4281 | $ 4.3561 | $ 5.1755 | $ 2.6662 | $ 3.6829 | $ 4.7241 |
| 18 | $ 3.1031 | $ 3.8622 | $ 5.2844 | $ 3.2172 | $ 4.1067 | $ 5.2889 | $ 3.2995 | $ 5.0129 | $ 6.3500 |
| 19 | $ 3.0546 | $ 4.1249 | $ 4.9598 | $ 3.1348 | $ 3.7060 | $ 5.0463 | $ 2.7443 | $ 3.9405 | $ 4.8456 |
| 20 | $ 3.5158 | $ 4.2595 | $ 5.5755 | $ 3.0243 | $ 3.9171 | $ 5.0263 | $ 3.0619 | $ 3.9407 | $ 5.2773 |
| 21 | $ 3.0211 | $ 3.8470 | $ 4.6708 | $ 2.7765 | $ 4.3758 | $ 5.9717 | $ 2.8853 | $ 4.1775 | $ 5.3078 |
| 22 | $ 3.5325 | $ 3.9911 | $ 4.7107 | $ 3.0854 | $ 3.8853 | $ 4.9044 | $ 2.7570 | $ 3.9047 | $ 4.8305 |
| 23 | $ 3.3525 | $ 3.9661 | $ 5.0862 | $ 3.1456 | $ 4.0774 | $ 6.2614 | $ 3.1779 | $ 4.2209 | $ 5.8204 |
| 24 | $ 3.0902 | $ 3.6771 | $ 4.1458 | $ 2.8632 | $ 3.9763 | $ 5.1087 | $ 2.7443 | $ 3.8216 | $ 5.2856 |
| 25 | $ 3.3466 | $ 3.9113 | $ 4.6926 | $ 2.9201 | $ 4.2218 | $ 5.2615 | $ 3.0871 | $ 4.1762 | $ 5.4390 |
| 26 | $ 3.2013 | $ 4.0426 | $ 5.3800 | $ 3.0669 | $ 3.9380 | $ 5.1246 | $ 3.5210 | $ 4.8171 | $ 6.0898 |
| 27 | $ 2.9542 | $ 3.6134 | $ 4.4905 | $ 3.2311 | $ 3.9482 | $ 5.3422 | $ 2.9783 | $ 4.0241 | $ 5.0755 |
| 28 | $ 3.0534 | $ 3.7578 | $ 5.3400 | $ 3.3173 | $ 4.3003 | $ 5.6586 | $ 2.8137 | $ 3.6606 | $ 5.4818 |
| 29 | $ 3.3272 | $ 3.9873 | $ 5.0468 | $ 3.1886 | $ 3.9282 | $ 4.4752 | $ 2.7641 | $ 3.8853 | $ 5.6539 |
| 30 | $ 3.0833 | $ 4.2447 | $ 5.3101 | $ 2.8157 | $ 3.8794 | $ 5.5998 | $ 2.9083 | $ 4.0985 | $ 6.6523 |
| 31 | $ 3.1273 | $ 3.9822 | $ 5.3276 | $ 2.8945 | $ 4.1930 | $ 5.9235 | $ 3.2991 | $ 4.4168 | $ 6.1028 |
| 32 | $ 3.0123 | $ 3.8160 | $ 4.7280 | $ 3.1466 | $ 4.2372 | $ 5.4136 | $ 3.0275 | $ 4.2347 | $ 5.2752 |
| 33 | $ 3.1217 | $ 3.8450 | $ 5.4567 | $ 2.9996 | $ 4.3327 | $ 5.2769 | $ 3.2077 | $ 4.2687 | $ 5.6147 |
| 34 | $ 3.1432 | $ 4.1688 | $ 4.8344 | $ 3.1018 | $ 3.9653 | $ 5.2833 | $ 2.9038 | $ 4.2673 | $ 5.3631 |
| 35 | $ 2.9747 | $ 3.9165 | $ 5.9744 | $ 3.1105 | $ 4.1401 | $ 5.1557 | $ 3.1426 | $ 3.9792 | $ 5.1770 |
| 36 | $ 3.2490 | $ 3.8664 | $ 4.6445 | $ 2.8643 | $ 4.1999 | $ 5.9103 | $ 2.7539 | $ 4.3978 | $ 6.3349 |
| 37 | $ 2.8778 | $ 3.7773 | $ 4.5523 | $ 3.1882 | $ 4.1867 | $ 6.0055 | $ 2.9038 | $ 4.1135 | $ 5.3428 |
| 38 | $ 3.3104 | $ 3.8489 | $ 5.1940 | $ 3.0732 | $ 3.7265 | $ 4.8313 | $ 2.9038 | $ 4.0858 | $ 5.0092 |
| 39 | $ 3.1031 | $ 3.8063 | $ 4.5934 | $ 3.2507 | $ 4.2482 | $ 5.8291 | $ 2.8139 | $ 3.9902 | $ 5.1115 |
| 40 | $ 3.1031 | $ 3.8046 | $ 4.5826 | $ 3.3310 | $ 3.8644 | $ 4.6133 | $ 3.0626 | $ 4.3249 | $ 6.2726 |
| 41 | $ 3.1217 | $ 3.7943 | $ 4.5854 | $ 2.9666 | $ 3.7834 | $ 5.0875 | $ 2.9783 | $ 3.9583 | $ 5.4062 |
| 42 | $ 3.0027 | $ 3.9511 | $ 5.5227 | $ 2.9581 | $ 4.0154 | $ 5.9355 | $ 2.9987 | $ 3.7420 | $ 5.1108 |
| 43 | $ 3.1022 | $ 3.9446 | $ 5.0282 | $ 3.7219 | $ 4.3338 | $ 5.0455 | $ 3.3784 | $ 4.1856 | $ 5.2799 |
| 44 | $ 3.3866 | $ 4.1634 | $ 5.4913 | $ 2.8643 | $ 3.9273 | $ 4.4090 | $ 3.4873 | $ 4.1990 | $ 5.5741 |
| 45 | $ 2.9542 | $ 3.7255 | $ 4.7826 | $ 2.8632 | $ 4.4222 | $ 5.4737 | $ 3.1301 | $ 4.0960 | $ 5.8788 |
| 46 | $ 2.9542 | $ 3.8095 | $ 4.5145 | $ 3.1095 | $ 4.0595 | $ 5.1455 | $ 2.8068 | $ 3.6998 | $ 5.0809 |
| 47 | $ 3.3744 | $ 4.2141 | $ 5.0639 | $ 2.8632 | $ 4.0268 | $ 5.3607 | $ 2.9180 | $ 3.9823 | $ 5.3299 |
| 48 | $ 3.4062 | $ 3.9367 | $ 4.6852 | $ 3.1249 | $ 4.1939 | $ 5.2657 | $ 2.6662 | $ 4.1173 | $ 5.6623 |
| 49 | $ 3.1993 | $ 4.3174 | $ 5.5352 | $ 3.2014 | $ 4.1337 | $ 5.8887 | $ 3.3685 | $ 4.2031 | $ 5.4345 |
| 50 | $ 3.1217 | $ 3.8719 | $ 5.2408 | $ 2.8632 | $ 4.2274 | $ 5.4879 | $ 3.3143 | $ 4.2468 | $ 5.8114 |

| | 2020 | | | 2021 | | | 2022 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.9043 | $ 3.9041 | $ 5.9744 | $ 3.4905 | $ 4.4105 | $ 5.8991 | $ 2.9987 | $ 4.1245 | $ 6.3035 |
| 52 | $ 2.9919 | $ 3.9941 | $ 5.2597 | $ 3.1291 | $ 4.1351 | $ 5.1455 | $ 2.9630 | $ 4.5358 | $ 6.3036 |
| 53 | $ 3.0642 | $ 4.0740 | $ 5.7325 | $ 2.8632 | $ 4.1491 | $ 5.1251 | $ 3.2587 | $ 4.1593 | $ 5.4627 |
| 54 | $ 3.1325 | $ 3.8780 | $ 4.7246 | $ 3.4474 | $ 4.0189 | $ 5.1368 | $ 2.7539 | $ 3.9537 | $ 5.6644 |
| 55 | $ 3.4106 | $ 4.1773 | $ 5.7197 | $ 3.4894 | $ 4.2678 | $ 5.2560 | $ 3.1005 | $ 4.2019 | $ 5.4999 |
| 56 | $ 3.1284 | $ 3.7646 | $ 4.4320 | $ 2.8643 | $ 4.1011 | $ 5.5079 | $ 2.9635 | $ 3.9789 | $ 4.4549 |
| 57 | $ 2.8778 | $ 3.8691 | $ 5.4246 | $ 2.8632 | $ 4.1934 | $ 6.2614 | $ 2.6662 | $ 4.1206 | $ 5.7482 |
| 58 | $ 3.2978 | $ 4.2174 | $ 5.5755 | $ 3.2920 | $ 4.3423 | $ 6.0568 | $ 2.7570 | $ 4.2652 | $ 6.2586 |
| 59 | $ 3.0349 | $ 3.9140 | $ 5.2062 | $ 2.9545 | $ 3.8015 | $ 5.0110 | $ 2.8546 | $ 4.2248 | $ 6.3349 |
| 60 | $ 3.0137 | $ 4.2009 | $ 5.2565 | $ 3.2451 | $ 4.1153 | $ 5.4566 | $ 2.7570 | $ 4.0569 | $ 5.9226 |
| 61 | $ 2.9542 | $ 3.9239 | $ 5.3694 | $ 2.9485 | $ 4.3164 | $ 5.6788 | $ 2.9878 | $ 4.1448 | $ 5.5660 |
| 62 | $ 3.0378 | $ 3.7614 | $ 4.8383 | $ 2.8157 | $ 3.8010 | $ 5.1752 | $ 2.8173 | $ 4.0534 | $ 4.9620 |
| 63 | $ 3.1965 | $ 3.9622 | $ 4.5575 | $ 3.2289 | $ 4.1489 | $ 5.0174 | $ 2.9180 | $ 4.1552 | $ 6.1021 |
| 64 | $ 3.0055 | $ 3.9973 | $ 5.0400 | $ 3.2172 | $ 4.1227 | $ 5.5267 | $ 2.6662 | $ 4.2159 | $ 5.7975 |
| 65 | $ 3.1108 | $ 3.7945 | $ 4.8973 | $ 3.0243 | $ 4.1532 | $ 4.8056 | $ 2.7443 | $ 4.2900 | $ 6.2287 |
| 66 | $ 3.2097 | $ 3.8637 | $ 5.2926 | $ 2.9090 | $ 3.8383 | $ 4.9789 | $ 2.8521 | $ 3.8008 | $ 5.1717 |
| 67 | $ 3.3742 | $ 3.9344 | $ 4.7511 | $ 2.9682 | $ 4.1328 | $ 5.8926 | $ 2.6662 | $ 3.9710 | $ 6.1097 |
| 68 | $ 3.0539 | $ 3.8975 | $ 4.9861 | $ 3.2468 | $ 4.1291 | $ 5.7286 | $ 3.1379 | $ 4.1769 | $ 5.7138 |
| 69 | $ 3.0007 | $ 3.9415 | $ 5.7463 | $ 3.0732 | $ 4.0497 | $ 5.9292 | $ 2.9024 | $ 3.6759 | $ 4.7334 |
| 70 | $ 2.9542 | $ 3.8305 | $ 5.0345 | $ 3.8287 | $ 4.5535 | $ 5.0520 | $ 3.5409 | $ 4.6855 | $ 5.8248 |
| 71 | $ 3.2701 | $ 3.8965 | $ 4.9932 | $ 2.8632 | $ 4.2041 | $ 6.0568 | $ 3.1347 | $ 3.9643 | $ 5.0310 |
| 72 | $ 3.0123 | $ 3.9496 | $ 4.5205 | $ 2.8643 | $ 4.1273 | $ 5.6046 | $ 2.9038 | $ 4.4995 | $ 6.4472 |
| 73 | $ 3.2422 | $ 3.9997 | $ 4.9870 | $ 2.9452 | $ 4.0286 | $ 6.1337 | $ 3.4413 | $ 4.4032 | $ 6.5500 |
| 74 | $ 3.3520 | $ 4.2899 | $ 5.0416 | $ 2.9090 | $ 3.8872 | $ 4.8813 | $ 2.6662 | $ 4.0390 | $ 5.8904 |
| 75 | $ 2.8778 | $ 4.0130 | $ 5.2405 | $ 3.6039 | $ 4.4906 | $ 5.8045 | $ 3.0298 | $ 4.1796 | $ 5.7438 |
| 76 | $ 3.1031 | $ 4.2020 | $ 5.5227 | $ 3.0645 | $ 4.2914 | $ 5.2059 | $ 2.6662 | $ 4.1617 | $ 5.2240 |
| 77 | $ 3.1089 | $ 3.7716 | $ 4.5880 | $ 3.3110 | $ 4.3954 | $ 6.2614 | $ 2.9572 | $ 4.1462 | $ 5.4490 |
| 78 | $ 3.3191 | $ 4.2604 | $ 5.5227 | $ 2.9497 | $ 3.7862 | $ 4.7213 | $ 2.7539 | $ 3.8516 | $ 4.4278 |
| 79 | $ 3.1936 | $ 3.9496 | $ 4.8923 | $ 2.9090 | $ 3.8980 | $ 5.9059 | $ 2.7819 | $ 4.0266 | $ 4.9822 |
| 80 | $ 3.1725 | $ 4.0767 | $ 4.9573 | $ 2.7765 | $ 3.6424 | $ 4.2664 | $ 2.8806 | $ 4.1251 | $ 5.9666 |
| 81 | $ 3.3162 | $ 4.1872 | $ 5.4588 | $ 3.0823 | $ 3.9221 | $ 5.6579 | $ 2.7443 | $ 3.8474 | $ 6.1040 |
| 82 | $ 3.2490 | $ 4.0706 | $ 4.8874 | $ 3.0011 | $ 3.8648 | $ 4.8749 | $ 3.4326 | $ 4.1483 | $ 5.5769 |
| 83 | $ 3.2692 | $ 4.0796 | $ 5.5224 | $ 2.8632 | $ 4.0088 | $ 4.9452 | $ 3.7705 | $ 4.4888 | $ 5.8918 |
| 84 | $ 3.0631 | $ 4.2784 | $ 5.1674 | $ 3.3861 | $ 4.1540 | $ 4.8551 | $ 2.6662 | $ 3.8167 | $ 4.8283 |
| 85 | $ 3.2881 | $ 4.2029 | $ 5.2163 | $ 2.9248 | $ 4.1860 | $ 5.4173 | $ 3.1947 | $ 4.4375 | $ 6.6523 |
| 86 | $ 2.9480 | $ 3.9131 | $ 5.3484 | $ 3.3064 | $ 4.4490 | $ 5.9292 | $ 2.7519 | $ 4.1960 | $ 6.4472 |
| 87 | $ 3.0928 | $ 3.9416 | $ 4.7816 | $ 3.3652 | $ 3.8881 | $ 4.5441 | $ 3.2121 | $ 4.3864 | $ 5.9942 |
| 88 | $ 3.3040 | $ 3.9805 | $ 5.4673 | $ 3.2288 | $ 4.4987 | $ 5.9520 | $ 2.9038 | $ 3.7628 | $ 4.9297 |
| 89 | $ 3.0671 | $ 4.1985 | $ 5.4447 | $ 3.2288 | $ 3.9382 | $ 5.4818 | $ 2.9800 | $ 4.4928 | $ 5.9578 |
| 90 | $ 3.3501 | $ 4.1023 | $ 4.8778 | $ 2.8668 | $ 4.0003 | $ 5.6569 | $ 2.9180 | $ 4.3585 | $ 6.3349 |
| 91 | $ 3.6092 | $ 4.2105 | $ 5.0419 | $ 3.0732 | $ 3.9342 | $ 5.9059 | $ 2.9180 | $ 3.8068 | $ 4.5419 |
| 92 | $ 3.0349 | $ 3.7189 | $ 4.4493 | $ 3.1282 | $ 4.2759 | $ 5.3706 | $ 3.0623 | $ 4.0721 | $ 5.0246 |
| 93 | $ 3.1217 | $ 4.1301 | $ 5.5900 | $ 2.9687 | $ 3.9458 | $ 5.4271 | $ 2.8493 | $ 3.9931 | $ 5.2538 |
| 94 | $ 3.1217 | $ 4.0127 | $ 4.7605 | $ 2.9854 | $ 3.7833 | $ 4.5482 | $ 2.9180 | $ 4.3432 | $ 6.2499 |
| 95 | $ 3.1741 | $ 4.1585 | $ 4.6978 | $ 2.9901 | $ 4.3122 | $ 5.5385 | $ 2.7539 | $ 3.8632 | $ 5.3156 |
| 96 | $ 3.1135 | $ 3.7214 | $ 4.9955 | $ 3.1976 | $ 4.4637 | $ 5.6489 | $ 2.8560 | $ 4.2118 | $ 6.3086 |
| 97 | $ 3.5406 | $ 4.0627 | $ 4.8482 | $ 3.0835 | $ 4.1675 | $ 5.9705 | $ 2.6662 | $ 3.8347 | $ 6.2726 |
| 98 | $ 3.0449 | $ 4.0271 | $ 5.0888 | $ 3.1659 | $ 4.1288 | $ 5.2490 | $ 2.9580 | $ 3.9716 | $ 5.3793 |
| 99 | $ 3.2719 | $ 3.8924 | $ 4.4486 | $ 2.8762 | $ 4.1487 | $ 5.4728 | $ 2.7539 | $ 4.6436 | $ 6.2552 |
| 100 | $ 3.0055 | $ 3.6123 | $ 4.6603 | $ 3.0050 | $ 3.9984 | $ 5.7157 | $ 2.9038 | $ 4.0458 | $ 4.8903 |

| | 2020 | | | 2021 | | | 2022 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 2.8778 | $ 4.0545 | $ 4.8163 | $ 3.3610 | $ 3.9763 | $ 4.8837 | $ 2.6662 | $ 3.9527 | $ 5.3498 |
| 102 | $ 3.3821 | $ 4.1657 | $ 5.6101 | $ 3.2692 | $ 4.4587 | $ 5.9520 | $ 2.7443 | $ 3.9303 | $ 6.4058 |
| 103 | $ 2.9077 | $ 3.8660 | $ 4.7649 | $ 2.8632 | $ 4.0076 | $ 4.5548 | $ 3.1188 | $ 4.0701 | $ 4.6431 |
| 104 | $ 3.1936 | $ 3.9326 | $ 4.5038 | $ 3.0601 | $ 4.2836 | $ 5.5222 | $ 2.8173 | $ 4.0427 | $ 5.1342 |
| 105 | $ 3.0055 | $ 4.0546 | $ 5.3972 | $ 3.1215 | $ 4.1874 | $ 5.9296 | $ 2.7539 | $ 4.1730 | $ 5.2773 |
| 106 | $ 3.1936 | $ 3.8440 | $ 5.1710 | $ 2.9090 | $ 3.8561 | $ 5.9383 | $ 3.6163 | $ 4.4416 | $ 5.8951 |
| 107 | $ 3.0631 | $ 3.8303 | $ 5.0009 | $ 2.8157 | $ 4.1242 | $ 4.9194 | $ 2.7756 | $ 4.4886 | $ 6.4472 |
| 108 | $ 3.1217 | $ 3.8853 | $ 4.6630 | $ 3.1852 | $ 3.9841 | $ 4.9091 | $ 3.3529 | $ 4.7685 | $ 6.3349 |
| 109 | $ 2.9209 | $ 3.8203 | $ 4.8295 | $ 3.2466 | $ 4.0322 | $ 5.5174 | $ 3.2346 | $ 4.6110 | $ 6.0795 |
| 110 | $ 3.1028 | $ 4.0239 | $ 5.0484 | $ 3.6402 | $ 4.3816 | $ 5.4415 | $ 2.9038 | $ 3.8436 | $ 4.8004 |
| 111 | $ 3.4605 | $ 4.1466 | $ 5.1040 | $ 2.9201 | $ 4.1996 | $ 5.4110 | $ 3.1332 | $ 4.3201 | $ 6.2222 |
| 112 | $ 3.0449 | $ 3.9179 | $ 5.0683 | $ 2.9201 | $ 4.2364 | $ 5.9355 | $ 3.4393 | $ 4.6975 | $ 6.1992 |
| 113 | $ 2.8778 | $ 4.0297 | $ 5.2946 | $ 3.1119 | $ 3.9293 | $ 5.9355 | $ 2.7539 | $ 3.7490 | $ 4.5934 |
| 114 | $ 3.1073 | $ 4.4517 | $ 5.4913 | $ 2.7918 | $ 3.9937 | $ 6.2614 | $ 3.0029 | $ 3.8321 | $ 4.6511 |
| 115 | $ 3.3412 | $ 4.2917 | $ 5.5124 | $ 3.1323 | $ 3.8787 | $ 4.5694 | $ 3.7402 | $ 4.6043 | $ 5.7343 |
| 116 | $ 3.0123 | $ 4.0793 | $ 5.9744 | $ 3.1192 | $ 4.1069 | $ 5.9705 | $ 2.9162 | $ 4.1642 | $ 5.4360 |
| 117 | $ 3.0631 | $ 3.7392 | $ 4.5595 | $ 2.9201 | $ 3.8652 | $ 6.1080 | $ 2.8345 | $ 4.3388 | $ 5.6810 |
| 118 | $ 3.0631 | $ 3.9986 | $ 4.9190 | $ 3.1438 | $ 3.8997 | $ 4.9712 | $ 3.5335 | $ 4.5609 | $ 5.7510 |
| 119 | $ 3.1670 | $ 4.1661 | $ 5.2404 | $ 2.7765 | $ 4.0694 | $ 5.9520 | $ 2.9576 | $ 4.7375 | $ 5.5552 |
| 120 | $ 2.9542 | $ 3.7179 | $ 4.6945 | $ 2.9090 | $ 4.0706 | $ 5.5608 | $ 2.6662 | $ 4.0296 | $ 5.9362 |
| 121 | $ 3.0631 | $ 4.0451 | $ 5.2849 | $ 3.1174 | $ 4.5367 | $ 5.9292 | $ 2.9423 | $ 3.9073 | $ 5.1107 |
| 122 | $ 3.5172 | $ 4.0771 | $ 4.5680 | $ 2.8664 | $ 3.7729 | $ 4.7973 | $ 2.9180 | $ 4.1299 | $ 5.5544 |
| 123 | $ 3.1384 | $ 4.1907 | $ 5.4598 | $ 3.2892 | $ 4.3322 | $ 5.4687 | $ 3.0301 | $ 4.1951 | $ 6.0483 |
| 124 | $ 3.1537 | $ 3.9649 | $ 5.5227 | $ 3.0732 | $ 4.5092 | $ 5.9717 | $ 3.0703 | $ 3.9996 | $ 5.6648 |
| 125 | $ 3.2284 | $ 3.9332 | $ 5.5227 | $ 3.0019 | $ 3.8210 | $ 4.7458 | $ 2.9630 | $ 4.3014 | $ 5.5774 |
| 126 | $ 3.1339 | $ 4.0146 | $ 5.2485 | $ 3.1682 | $ 4.3061 | $ 6.2133 | $ 2.9510 | $ 4.2620 | $ 6.6523 |
| 127 | $ 3.3086 | $ 4.0883 | $ 5.4065 | $ 2.9472 | $ 3.7425 | $ 4.2293 | $ 3.0275 | $ 4.3512 | $ 6.2515 |
| 128 | $ 3.3410 | $ 3.8751 | $ 5.4487 | $ 2.9201 | $ 4.0181 | $ 5.5521 | $ 2.9330 | $ 3.9179 | $ 4.9136 |
| 129 | $ 3.0349 | $ 3.9520 | $ 4.7555 | $ 2.9901 | $ 4.0269 | $ 4.9489 | $ 2.9509 | $ 3.9689 | $ 5.2874 |
| 130 | $ 3.3044 | $ 4.0074 | $ 4.8981 | $ 3.1143 | $ 3.9482 | $ 5.1397 | $ 2.9038 | $ 4.1463 | $ 6.1456 |
| 131 | $ 3.0123 | $ 4.0216 | $ 5.1301 | $ 2.9901 | $ 4.1094 | $ 6.1470 | $ 2.8137 | $ 3.8911 | $ 5.8262 |
| 132 | $ 3.2119 | $ 4.1957 | $ 5.3800 | $ 3.6338 | $ 4.4221 | $ 6.0568 | $ 2.8274 | $ 3.8262 | $ 4.7854 |
| 133 | $ 3.0449 | $ 4.0561 | $ 5.2920 | $ 2.9362 | $ 4.1246 | $ 5.9292 | $ 3.1280 | $ 3.8885 | $ 4.8592 |
| 134 | $ 3.0276 | $ 4.1234 | $ 5.2080 | $ 3.2108 | $ 3.8516 | $ 4.7479 | $ 2.8137 | $ 4.0867 | $ 5.9466 |
| 135 | $ 3.3619 | $ 3.9792 | $ 5.0775 | $ 3.0243 | $ 4.2227 | $ 6.2614 | $ 2.9180 | $ 3.8619 | $ 4.9043 |
| 136 | $ 3.5614 | $ 4.1559 | $ 5.0378 | $ 3.4280 | $ 4.1260 | $ 4.8127 | $ 3.5365 | $ 4.2971 | $ 5.6854 |
| 137 | $ 3.2103 | $ 4.1917 | $ 5.3056 | $ 2.8803 | $ 4.1644 | $ 5.6649 | $ 3.1435 | $ 3.9210 | $ 5.4006 |
| 138 | $ 3.0946 | $ 4.2755 | $ 5.5092 | $ 3.4413 | $ 4.5376 | $ 5.4530 | $ 2.8032 | $ 4.1934 | $ 6.3349 |
| 139 | $ 3.2957 | $ 3.8326 | $ 5.1445 | $ 3.3813 | $ 4.1734 | $ 5.3014 | $ 2.9755 | $ 4.4141 | $ 5.4522 |
| 140 | $ 3.3578 | $ 4.2659 | $ 5.4406 | $ 2.7765 | $ 3.9938 | $ 4.7295 | $ 3.4044 | $ 4.2019 | $ 4.9401 |
| 141 | $ 3.3419 | $ 3.7228 | $ 3.9838 | $ 3.8345 | $ 4.3492 | $ 4.9446 | $ 3.0275 | $ 4.3423 | $ 5.9840 |
| 142 | $ 3.1311 | $ 3.8481 | $ 5.8917 | $ 2.8157 | $ 3.9932 | $ 4.7709 | $ 2.7443 | $ 3.8868 | $ 6.2726 |
| 143 | $ 3.0349 | $ 3.7266 | $ 4.6135 | $ 3.7271 | $ 4.2715 | $ 4.8521 | $ 2.7443 | $ 4.0955 | $ 6.2679 |
| 144 | $ 3.1936 | $ 3.8707 | $ 5.0271 | $ 3.2045 | $ 4.0303 | $ 4.9188 | $ 2.7443 | $ 4.2354 | $ 5.4951 |
| 145 | $ 3.2490 | $ 3.8755 | $ 4.5333 | $ 3.0243 | $ 4.4269 | $ 5.3526 | $ 2.8137 | $ 4.1917 | $ 6.2563 |
| 146 | $ 3.0955 | $ 3.7758 | $ 4.9430 | $ 2.8632 | $ 4.0289 | $ 5.2009 | $ 3.0275 | $ 4.0787 | $ 5.5077 |
| 147 | $ 3.2719 | $ 4.1453 | $ 5.4189 | $ 3.1143 | $ 4.0964 | $ 5.4320 | $ 3.1137 | $ 4.2846 | $ 6.5332 |
| 148 | $ 3.0055 | $ 4.2093 | $ 5.5062 | $ 2.8643 | $ 4.1512 | $ 5.9383 | $ 3.0741 | $ 4.3409 | $ 6.3500 |
| 149 | $ 3.5479 | $ 4.1142 | $ 4.5576 | $ 2.9483 | $ 4.3278 | $ 5.5405 | $ 2.9783 | $ 3.9673 | $ 6.1216 |
| 150 | $ 3.2572 | $ 4.0606 | $ 5.4682 | $ 3.2733 | $ 3.9691 | $ 5.1852 | $ 2.8137 | $ 4.0709 | $ 5.0942 |

| | 2020 | | | 2021 | | | 2022 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 2.9542 | $ 3.9145 | $ 5.4553 | $ 2.8643 | $ 4.1594 | $ 5.9292 | $ 3.0104 | $ 3.9290 | $ 5.2114 |
| 152 | $ 3.3212 | $ 4.2379 | $ 5.5227 | $ 3.2729 | $ 4.4243 | $ 5.5863 | $ 3.2245 | $ 4.3115 | $ 5.7366 |
| 153 | $ 3.3236 | $ 4.5160 | $ 5.7556 | $ 3.1365 | $ 4.0999 | $ 4.8470 | $ 2.7443 | $ 4.1032 | $ 5.5919 |
| 154 | $ 3.0449 | $ 3.8326 | $ 4.4005 | $ 3.1954 | $ 4.0840 | $ 4.9749 | $ 2.8137 | $ 4.1065 | $ 5.8909 |
| 155 | $ 3.0620 | $ 3.8087 | $ 4.7153 | $ 2.7850 | $ 4.2313 | $ 5.9705 | $ 3.1000 | $ 4.0199 | $ 5.3443 |
| 156 | $ 3.1296 | $ 3.9663 | $ 5.5062 | $ 2.9135 | $ 4.1958 | $ 5.8566 | $ 2.7539 | $ 4.0119 | $ 5.1265 |
| 157 | $ 2.8778 | $ 3.7993 | $ 5.0868 | $ 3.0235 | $ 3.7864 | $ 4.5594 | $ 3.0777 | $ 4.1360 | $ 5.8316 |
| 158 | $ 2.9542 | $ 3.9651 | $ 4.5812 | $ 2.7765 | $ 3.9337 | $ 5.1042 | $ 3.5225 | $ 4.7514 | $ 6.2889 |
| 159 | $ 3.4245 | $ 3.9876 | $ 5.9744 | $ 3.3158 | $ 4.2632 | $ 5.5118 | $ 2.9180 | $ 3.9519 | $ 5.0705 |
| 160 | $ 3.0055 | $ 4.0615 | $ 5.1513 | $ 2.9737 | $ 4.2706 | $ 5.4601 | $ 3.0607 | $ 4.2414 | $ 6.2116 |
| 161 | $ 3.2638 | $ 4.0741 | $ 4.8057 | $ 3.1839 | $ 4.4247 | $ 5.4490 | $ 2.9630 | $ 4.3799 | $ 6.3349 |
| 162 | $ 3.4345 | $ 4.0432 | $ 4.5376 | $ 3.1143 | $ 3.6798 | $ 5.1421 | $ 3.4685 | $ 4.5305 | $ 6.3086 |
| 163 | $ 3.5381 | $ 4.0340 | $ 4.7210 | $ 3.0243 | $ 3.7395 | $ 4.9267 | $ 2.6662 | $ 4.0560 | $ 6.0398 |
| 164 | $ 3.4122 | $ 4.1409 | $ 5.4781 | $ 2.8987 | $ 4.1411 | $ 5.2091 | $ 2.7539 | $ 3.7925 | $ 4.9418 |
| 165 | $ 3.2552 | $ 4.2739 | $ 5.4809 | $ 3.0769 | $ 4.1436 | $ 5.0039 | $ 2.9383 | $ 4.0690 | $ 5.2498 |
| 166 | $ 3.1217 | $ 3.8507 | $ 5.3937 | $ 3.0824 | $ 3.9968 | $ 4.7895 | $ 2.9038 | $ 4.3421 | $ 6.2563 |
| 167 | $ 3.2095 | $ 4.0587 | $ 5.5755 | $ 2.8632 | $ 3.9816 | $ 5.2279 | $ 2.7539 | $ 4.2061 | $ 6.2562 |
| 168 | $ 3.2541 | $ 4.1855 | $ 5.6257 | $ 3.0629 | $ 3.9535 | $ 5.0150 | $ 2.7570 | $ 3.9943 | $ 5.4547 |
| 169 | $ 3.1936 | $ 3.9674 | $ 4.9198 | $ 3.2873 | $ 4.1159 | $ 5.9059 | $ 3.3157 | $ 4.2583 | $ 5.2988 |
| 170 | $ 3.0349 | $ 4.1846 | $ 5.9744 | $ 3.4681 | $ 4.4494 | $ 5.9383 | $ 3.0668 | $ 3.8442 | $ 4.8177 |
| 171 | $ 3.2069 | $ 3.9785 | $ 4.9232 | $ 2.7765 | $ 4.1915 | $ 5.8038 | $ 2.9215 | $ 4.1968 | $ 5.3378 |
| 172 | $ 2.8778 | $ 3.8430 | $ 5.1460 | $ 3.1686 | $ 4.0398 | $ 5.0376 | $ 2.7570 | $ 3.8698 | $ 5.1706 |
| 173 | $ 3.3016 | $ 4.2898 | $ 5.1178 | $ 2.9901 | $ 3.9394 | $ 4.9802 | $ 2.8797 | $ 3.5704 | $ 5.2120 |
| 174 | $ 3.0631 | $ 3.7186 | $ 4.3345 | $ 2.9841 | $ 4.0670 | $ 4.9240 | $ 2.7443 | $ 4.5517 | $ 6.2889 |
| 175 | $ 2.9542 | $ 4.0364 | $ 5.0117 | $ 3.2437 | $ 4.3051 | $ 4.9959 | $ 3.0275 | $ 3.8445 | $ 4.9244 |
| 176 | $ 3.0449 | $ 3.7671 | $ 5.2631 | $ 3.1562 | $ 4.0035 | $ 4.6250 | $ 2.9783 | $ 4.2029 | $ 5.3521 |
| 177 | $ 3.2719 | $ 4.2817 | $ 4.9076 | $ 3.0486 | $ 4.0070 | $ 5.5411 | $ 2.8137 | $ 3.9411 | $ 5.6469 |
| 178 | $ 3.0449 | $ 4.0458 | $ 4.6998 | $ 3.1813 | $ 4.3572 | $ 5.9043 | $ 2.9783 | $ 4.2246 | $ 6.2675 |
| 179 | $ 3.4927 | $ 4.1797 | $ 4.8934 | $ 3.1733 | $ 3.8421 | $ 5.2365 | $ 3.0628 | $ 4.0735 | $ 5.4484 |
| 180 | $ 3.3115 | $ 4.5624 | $ 5.3963 | $ 2.9346 | $ 4.1647 | $ 5.9520 | $ 3.1113 | $ 4.2735 | $ 5.9266 |
| 181 | $ 3.0349 | $ 4.2502 | $ 5.7650 | $ 2.8630 | $ 3.7834 | $ 5.0020 | $ 3.4734 | $ 4.2775 | $ 6.3086 |
| 182 | $ 3.4244 | $ 3.9794 | $ 4.5406 | $ 3.2594 | $ 4.4516 | $ 5.3406 | $ 2.9987 | $ 3.8672 | $ 5.3336 |
| 183 | $ 3.6285 | $ 4.2472 | $ 5.4872 | $ 3.2122 | $ 3.8037 | $ 4.7892 | $ 3.5451 | $ 4.8337 | $ 6.2187 |
| 184 | $ 2.8778 | $ 4.0956 | $ 5.1668 | $ 3.1783 | $ 4.3414 | $ 5.8420 | $ 2.7909 | $ 4.6433 | $ 6.2889 |
| 185 | $ 3.1834 | $ 3.8713 | $ 4.5514 | $ 3.0243 | $ 4.3162 | $ 5.1964 | $ 2.7913 | $ 4.3773 | $ 5.8961 |
| 186 | $ 3.1656 | $ 3.8809 | $ 4.9936 | $ 2.7765 | $ 4.1084 | $ 5.0707 | $ 3.1713 | $ 4.4313 | $ 5.7477 |
| 187 | $ 3.2126 | $ 4.3200 | $ 5.4598 | $ 3.2398 | $ 4.5713 | $ 5.5828 | $ 2.9791 | $ 4.0223 | $ 4.8810 |
| 188 | $ 3.0449 | $ 4.0139 | $ 5.1452 | $ 3.1687 | $ 4.2768 | $ 5.4431 | $ 2.9038 | $ 4.4056 | $ 6.2381 |
| 189 | $ 3.6454 | $ 4.1642 | $ 5.3863 | $ 2.8731 | $ 3.9626 | $ 5.9292 | $ 3.1312 | $ 3.9171 | $ 4.9516 |
| 190 | $ 2.8778 | $ 3.8993 | $ 5.4598 | $ 3.2288 | $ 4.1730 | $ 5.2531 | $ 2.8137 | $ 4.3333 | $ 5.8398 |
| 191 | $ 3.0349 | $ 3.9570 | $ 4.8195 | $ 3.5033 | $ 4.1051 | $ 5.4437 | $ 2.8814 | $ 3.7769 | $ 4.7228 |
| 192 | $ 3.8030 | $ 4.2468 | $ 4.8597 | $ 3.4137 | $ 4.3201 | $ 5.8420 | $ 3.3525 | $ 4.2705 | $ 5.6001 |
| 193 | $ 2.9334 | $ 4.0219 | $ 5.1457 | $ 2.9090 | $ 4.0853 | $ 4.9481 | $ 3.0470 | $ 4.0669 | $ 5.6018 |
| 194 | $ 2.8778 | $ 4.0077 | $ 5.1441 | $ 3.4851 | $ 4.0166 | $ 5.0185 | $ 2.9783 | $ 4.2702 | $ 5.3535 |
| 195 | $ 2.9827 | $ 3.9797 | $ 4.7636 | $ 2.9901 | $ 4.1082 | $ 5.0031 | $ 3.1792 | $ 4.5450 | $ 6.3150 |
| 196 | $ 3.0626 | $ 3.7129 | $ 4.6821 | $ 3.4293 | $ 4.3433 | $ 5.5867 | $ 3.2162 | $ 4.7966 | $ 6.3500 |
| 197 | $ 2.9542 | $ 3.7613 | $ 5.1792 | $ 2.8632 | $ 3.7798 | $ 5.9292 | $ 2.9180 | $ 3.7997 | $ 4.3560 |
| 198 | $ 3.0055 | $ 3.7050 | $ 5.4843 | $ 2.9090 | $ 3.7996 | $ 4.7283 | $ 2.7443 | $ 4.0183 | $ 5.1522 |
| 199 | $ 3.3243 | $ 4.3728 | $ 5.7430 | $ 2.7765 | $ 4.0437 | $ 4.9988 | $ 2.8173 | $ 4.0096 | $ 5.6656 |
| 200 | $ 3.2727 | $ 4.2657 | $ 5.6665 | $ 2.9877 | $ 3.7473 | $ 4.5784 | $ 2.8173 | $ 4.1208 | $ 5.3566 |
| Min | $ 2.8778 | $ 3.6123 | $ 3.9838 | $ 2.7765 | $ 3.6424 | $ 4.2293 | $ 2.6662 | $ 3.5704 | $ 4.3560 |
| Average | $ 3.1639 | $ 4.0070 | $ 5.1010 | $ 3.0918 | $ 4.1024 | $ 5.3656 | $ 2.9873 | $ 4.1574 | $ 5.6374 |
| Max | $ 3.8030 | $ 4.5624 | $ 5.9744 | $ 3.8345 | $ 4.5713 | $ 6.2614 | $ 3.7705 | $ 5.0129 | $ 6.6523 |

| | 2023 | | | 2024 | | | 2025 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 2.6411 | $ 3.9959 | $ 5.0455 | $ 2.7187 | $ 3.9792 | $ 6.5546 | $ 3.3514 | $ 4.5986 | $ 6.0575 |
| 2 | $ 2.8187 | $ 3.9367 | $ 4.9865 | $ 3.3246 | $ 4.2845 | $ 7.1671 | $ 3.3206 | $ 4.9895 | $ 6.7914 |
| 3 | $ 3.4416 | $ 4.7199 | $ 5.7300 | $ 2.8772 | $ 4.1876 | $ 7.2237 | $ 2.5655 | $ 4.2715 | $ 5.7234 |
| 4 | $ 2.9666 | $ 4.5908 | $ 5.7936 | $ 2.8209 | $ 4.4256 | $ 6.2870 | $ 2.6615 | $ 3.8750 | $ 4.9700 |
| 5 | $ 2.6411 | $ 4.1479 | $ 5.6744 | $ 3.3320 | $ 4.8047 | $ 7.5407 | $ 2.9317 | $ 4.9369 | $ 7.6904 |
| 6 | $ 3.4252 | $ 4.6368 | $ 6.8003 | $ 3.2476 | $ 4.5496 | $ 6.2781 | $ 2.8477 | $ 3.7282 | $ 4.2923 |
| 7 | $ 2.9495 | $ 4.0536 | $ 5.4340 | $ 3.0625 | $ 4.5040 | $ 6.4205 | $ 3.1153 | $ 4.6504 | $ 6.4297 |
| 8 | $ 3.1162 | $ 3.9347 | $ 5.5817 | $ 3.2284 | $ 4.9557 | $ 6.1491 | $ 3.4100 | $ 4.3167 | $ 5.8050 |
| 9 | $ 3.1163 | $ 4.3308 | $ 5.7779 | $ 2.8860 | $ 4.8017 | $ 6.4429 | $ 2.8995 | $ 4.7164 | $ 6.8136 |
| 10 | $ 2.8709 | $ 4.2189 | $ 6.1525 | $ 2.9178 | $ 4.5606 | $ 7.2237 | $ 3.2103 | $ 4.6078 | $ 6.4832 |
| 11 | $ 2.7640 | $ 4.4639 | $ 6.6434 | $ 2.9611 | $ 4.2525 | $ 6.0428 | $ 2.5655 | $ 4.4054 | $ 6.5183 |
| 12 | $ 2.7541 | $ 4.3923 | $ 6.6126 | $ 3.1797 | $ 4.5381 | $ 6.8460 | $ 3.2931 | $ 4.8539 | $ 6.3117 |
| 13 | $ 3.2581 | $ 4.5780 | $ 6.2546 | $ 3.4905 | $ 4.8776 | $ 6.9945 | $ 3.3637 | $ 5.2149 | $ 7.6136 |
| 14 | $ 2.9615 | $ 4.5528 | $ 5.4643 | $ 3.3191 | $ 4.3051 | $ 6.1860 | $ 2.9206 | $ 4.6332 | $ 6.5655 |
| 15 | $ 3.3668 | $ 4.3188 | $ 6.7467 | $ 2.7323 | $ 4.5967 | $ 6.8715 | $ 2.9226 | $ 5.4338 | $ 7.7521 |
| 16 | $ 3.0844 | $ 4.2852 | $ 6.1612 | $ 3.6773 | $ 4.9692 | $ 7.0157 | $ 2.8789 | $ 4.2027 | $ 6.6485 |
| 17 | $ 3.0847 | $ 4.2156 | $ 5.9553 | $ 3.2143 | $ 4.5291 | $ 6.3088 | $ 3.2694 | $ 4.7910 | $ 6.9082 |
| 18 | $ 2.6818 | $ 4.3226 | $ 5.7211 | $ 2.7325 | $ 4.2533 | $ 6.7436 | $ 2.5655 | $ 4.3306 | $ 6.4242 |
| 19 | $ 3.3599 | $ 4.5462 | $ 6.7877 | $ 2.6941 | $ 4.1687 | $ 6.2052 | $ 2.6324 | $ 4.8052 | $ 7.6346 |
| 20 | $ 3.1798 | $ 4.1701 | $ 5.9566 | $ 2.8504 | $ 4.7879 | $ 7.2237 | $ 3.3262 | $ 4.6946 | $ 6.4008 |
| 21 | $ 2.7541 | $ 4.0660 | $ 6.0078 | $ 2.9552 | $ 4.6212 | $ 6.7599 | $ 2.7058 | $ 4.4239 | $ 7.4955 |
| 22 | $ 2.8708 | $ 4.0658 | $ 5.2970 | $ 3.1786 | $ 4.3958 | $ 6.5837 | $ 3.3415 | $ 4.7315 | $ 6.7600 |
| 23 | $ 3.4050 | $ 4.9747 | $ 6.8003 | $ 2.6941 | $ 5.0128 | $ 7.5467 | $ 2.6615 | $ 4.2220 | $ 6.0628 |
| 24 | $ 2.7040 | $ 4.7897 | $ 6.8003 | $ 2.7752 | $ 4.2043 | $ 6.0060 | $ 3.3462 | $ 5.1168 | $ 7.1022 |
| 25 | $ 2.7616 | $ 4.1371 | $ 6.2961 | $ 3.4110 | $ 4.5243 | $ 5.6086 | $ 2.8021 | $ 4.5116 | $ 7.5974 |
| 26 | $ 3.1161 | $ 4.0378 | $ 5.7169 | $ 2.7670 | $ 4.1985 | $ 5.3805 | $ 2.8318 | $ 4.7542 | $ 7.3677 |
| 27 | $ 2.9495 | $ 4.2368 | $ 6.2335 | $ 2.9386 | $ 4.8520 | $ 7.1670 | $ 2.8328 | $ 4.2219 | $ 6.1082 |
| 28 | $ 2.6818 | $ 4.1581 | $ 6.4143 | $ 3.4818 | $ 4.2606 | $ 5.4353 | $ 3.2729 | $ 4.5156 | $ 6.1587 |
| 29 | $ 3.0800 | $ 4.0997 | $ 5.1538 | $ 3.0291 | $ 4.6511 | $ 7.1612 | $ 2.8021 | $ 4.3959 | $ 6.1192 |
| 30 | $ 2.7785 | $ 4.2062 | $ 6.3625 | $ 3.5619 | $ 4.5389 | $ 5.3681 | $ 3.0934 | $ 4.4325 | $ 6.6316 |
| 31 | $ 2.7541 | $ 4.4256 | $ 6.4976 | $ 3.6141 | $ 4.9059 | $ 7.2831 | $ 2.6324 | $ 4.4992 | $ 6.3197 |
| 32 | $ 2.7479 | $ 4.6227 | $ 6.0634 | $ 3.2807 | $ 4.2017 | $ 5.1038 | $ 2.8328 | $ 4.2439 | $ 6.2756 |
| 33 | $ 3.2490 | $ 3.9534 | $ 5.4084 | $ 3.4122 | $ 4.5367 | $ 5.9340 | $ 2.8872 | $ 4.2191 | $ 5.5225 |
| 34 | $ 3.0961 | $ 4.4247 | $ 5.8138 | $ 3.1776 | $ 4.0762 | $ 4.9398 | $ 2.7951 | $ 4.5262 | $ 6.3828 |
| 35 | $ 3.1496 | $ 4.1989 | $ 5.3611 | $ 3.4128 | $ 4.4436 | $ 6.1407 | $ 3.3485 | $ 5.4718 | $ 7.6993 |
| 36 | $ 3.4060 | $ 4.1110 | $ 5.1412 | $ 2.8529 | $ 4.4751 | $ 6.1669 | $ 3.0009 | $ 4.2988 | $ 5.8304 |
| 37 | $ 2.6411 | $ 4.0908 | $ 6.2435 | $ 2.6348 | $ 3.8754 | $ 6.1821 | $ 2.6615 | $ 4.6126 | $ 6.1207 |
| 38 | $ 2.6411 | $ 3.9118 | $ 5.4909 | $ 3.4513 | $ 4.7184 | $ 6.4319 | $ 2.9226 | $ 4.1510 | $ 6.4782 |
| 39 | $ 3.2222 | $ 4.1301 | $ 4.9394 | $ 3.1394 | $ 4.3104 | $ 5.5707 | $ 3.1963 | $ 5.1985 | $ 7.6346 |
| 40 | $ 2.8350 | $ 4.2866 | $ 5.6404 | $ 3.4012 | $ 4.4499 | $ 6.9547 | $ 2.9779 | $ 4.5549 | $ 7.4621 |
| 41 | $ 2.9373 | $ 4.4727 | $ 5.7798 | $ 3.0585 | $ 4.8494 | $ 6.9314 | $ 3.3115 | $ 4.7286 | $ 7.6136 |
| 42 | $ 3.2328 | $ 4.6011 | $ 6.6796 | $ 3.1462 | $ 4.7232 | $ 6.3441 | $ 3.0360 | $ 4.5416 | $ 6.4415 |
| 43 | $ 3.6052 | $ 4.5850 | $ 5.5844 | $ 2.7691 | $ 4.6649 | $ 7.0705 | $ 2.7951 | $ 4.6084 | $ 7.0157 |
| 44 | $ 2.8709 | $ 3.9918 | $ 5.5304 | $ 2.7425 | $ 4.1336 | $ 6.8692 | $ 2.8021 | $ 4.0036 | $ 5.3886 |
| 45 | $ 2.9495 | $ 4.4908 | $ 5.4439 | $ 2.9123 | $ 4.8447 | $ 7.1671 | $ 2.6360 | $ 5.0590 | $ 7.7856 |
| 46 | $ 2.6818 | $ 4.1404 | $ 6.2738 | $ 2.6348 | $ 3.4688 | $ 5.9993 | $ 2.5972 | $ 4.4507 | $ 6.0343 |
| 47 | $ 2.9495 | $ 4.1592 | $ 6.2656 | $ 2.7057 | $ 4.4926 | $ 6.1411 | $ 2.6324 | $ 4.1531 | $ 5.5681 |
| 48 | $ 3.2792 | $ 4.7941 | $ 6.7044 | $ 2.7187 | $ 4.6052 | $ 6.1118 | $ 2.8039 | $ 4.5977 | $ 6.2172 |
| 49 | $ 3.1876 | $ 4.3447 | $ 6.5399 | $ 2.7022 | $ 4.3388 | $ 5.7763 | $ 2.6324 | $ 4.2371 | $ 7.1680 |
| 50 | $ 3.3531 | $ 4.3101 | $ 5.6759 | $ 2.7022 | $ 4.3036 | $ 7.1673 | $ 2.8328 | $ 4.4201 | $ 7.3084 |

| | 2023 | | | 2024 | | | 2025 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.7927 | $ 4.0421 | $ 5.2789 | $ 3.1066 | $ 4.4276 | $ 5.9547 | $ 2.8021 | $ 4.4830 | $ 7.3999 |
| 52 | $ 3.5160 | $ 4.6279 | $ 6.2661 | $ 3.0513 | $ 4.6430 | $ 7.0185 | $ 2.8328 | $ 4.6629 | $ 6.8068 |
| 53 | $ 3.6699 | $ 5.0656 | $ 6.6937 | $ 3.4362 | $ 4.5946 | $ 7.5467 | $ 2.7605 | $ 4.2998 | $ 6.3666 |
| 54 | $ 2.7040 | $ 4.1959 | $ 5.3010 | $ 2.7187 | $ 4.2515 | $ 5.9131 | $ 3.2040 | $ 4.7024 | $ 7.0531 |
| 55 | $ 3.0935 | $ 4.3893 | $ 6.0654 | $ 3.1218 | $ 4.5798 | $ 6.7258 | $ 3.4025 | $ 4.7218 | $ 7.6136 |
| 56 | $ 2.9453 | $ 3.9973 | $ 5.9811 | $ 2.8529 | $ 4.2086 | $ 6.9101 | $ 3.3251 | $ 5.3478 | $ 7.5996 |
| 57 | $ 2.9191 | $ 4.4625 | $ 5.9504 | $ 2.9611 | $ 4.5135 | $ 5.8320 | $ 3.2451 | $ 4.7824 | $ 6.6048 |
| 58 | $ 2.7216 | $ 4.4375 | $ 6.7008 | $ 2.8959 | $ 4.7904 | $ 7.2831 | $ 3.0899 | $ 4.4008 | $ 6.7856 |
| 59 | $ 3.1678 | $ 4.2179 | $ 5.6738 | $ 3.0811 | $ 4.3057 | $ 5.1807 | $ 2.7274 | $ 4.8647 | $ 6.9096 |
| 60 | $ 3.0356 | $ 3.9606 | $ 6.3733 | $ 2.8860 | $ 4.4176 | $ 6.1630 | $ 3.6338 | $ 4.8051 | $ 7.4764 |
| 61 | $ 3.4103 | $ 4.3298 | $ 5.4540 | $ 3.3982 | $ 4.9369 | $ 6.9775 | $ 3.4958 | $ 4.8602 | $ 7.4397 |
| 62 | $ 2.8147 | $ 4.5017 | $ 5.8110 | $ 2.6941 | $ 3.8816 | $ 5.1046 | $ 2.8021 | $ 5.0243 | $ 7.6429 |
| 63 | $ 2.9054 | $ 4.0794 | $ 5.8645 | $ 2.9264 | $ 4.7031 | $ 7.2831 | $ 2.5655 | $ 4.6918 | $ 7.0151 |
| 64 | $ 2.7054 | $ 4.0975 | $ 5.5756 | $ 2.7187 | $ 4.2282 | $ 6.7508 | $ 2.8872 | $ 4.0947 | $ 6.7773 |
| 65 | $ 2.9829 | $ 4.6334 | $ 6.7008 | $ 2.8811 | $ 4.7373 | $ 6.3055 | $ 2.8328 | $ 4.1982 | $ 7.5752 |
| 66 | $ 2.8540 | $ 4.1495 | $ 5.3056 | $ 2.8870 | $ 4.5128 | $ 6.9217 | $ 2.9267 | $ 4.4070 | $ 6.3427 |
| 67 | $ 2.8971 | $ 3.9230 | $ 6.0360 | $ 3.5236 | $ 4.5730 | $ 6.0882 | $ 2.8872 | $ 4.7674 | $ 6.7378 |
| 68 | $ 3.0009 | $ 4.0593 | $ 6.1143 | $ 3.2529 | $ 4.5480 | $ 6.5746 | $ 3.8104 | $ 5.1155 | $ 7.4143 |
| 69 | $ 2.9054 | $ 4.3183 | $ 6.7114 | $ 2.6941 | $ 4.4437 | $ 6.0285 | $ 2.9186 | $ 4.3978 | $ 6.2546 |
| 70 | $ 2.7700 | $ 4.4861 | $ 6.5399 | $ 3.3156 | $ 4.8848 | $ 7.2237 | $ 3.2625 | $ 4.4932 | $ 5.4424 |
| 71 | $ 2.8797 | $ 4.4165 | $ 6.7114 | $ 2.8616 | $ 4.7553 | $ 6.3630 | $ 2.6491 | $ 4.0791 | $ 5.7365 |
| 72 | $ 3.5595 | $ 4.6214 | $ 6.4444 | $ 3.1476 | $ 4.4403 | $ 5.6448 | $ 3.0407 | $ 4.9210 | $ 6.4883 |
| 73 | $ 2.9066 | $ 4.8999 | $ 6.6793 | $ 3.1079 | $ 4.6857 | $ 7.2555 | $ 2.9226 | $ 4.7358 | $ 6.4449 |
| 74 | $ 3.2880 | $ 4.3950 | $ 6.1912 | $ 3.0656 | $ 4.6224 | $ 7.2122 | $ 3.1047 | $ 4.7283 | $ 7.4217 |
| 75 | $ 3.2352 | $ 4.7628 | $ 6.3154 | $ 3.4822 | $ 4.5540 | $ 6.3756 | $ 2.6491 | $ 4.3893 | $ 6.7628 |
| 76 | $ 3.1829 | $ 4.5459 | $ 6.7877 | $ 2.7576 | $ 4.4505 | $ 6.3036 | $ 3.7525 | $ 5.1284 | $ 6.9593 |
| 77 | $ 3.3501 | $ 4.3563 | $ 5.6572 | $ 2.7950 | $ 4.8490 | $ 6.5303 | $ 3.2010 | $ 4.4460 | $ 6.1646 |
| 78 | $ 3.0260 | $ 4.0372 | $ 5.5413 | $ 2.8045 | $ 4.7301 | $ 7.2555 | $ 2.6282 | $ 4.0305 | $ 5.3680 |
| 79 | $ 3.3569 | $ 4.1441 | $ 5.6020 | $ 2.7241 | $ 4.0916 | $ 5.6725 | $ 2.8328 | $ 4.4502 | $ 6.8656 |
| 80 | $ 2.8704 | $ 3.8796 | $ 5.8602 | $ 2.8616 | $ 4.5527 | $ 6.9869 | $ 3.1549 | $ 4.9846 | $ 6.1837 |
| 81 | $ 2.7216 | $ 4.2599 | $ 5.6951 | $ 2.9611 | $ 4.0483 | $ 5.4935 | $ 2.7790 | $ 4.7691 | $ 7.4749 |
| 82 | $ 2.7479 | $ 3.8776 | $ 5.4918 | $ 2.7022 | $ 4.3274 | $ 5.5755 | $ 2.8318 | $ 4.0414 | $ 4.9376 |
| 83 | $ 2.7040 | $ 4.1785 | $ 5.8203 | $ 3.3716 | $ 4.5496 | $ 6.2929 | $ 2.6324 | $ 4.0459 | $ 6.0987 |
| 84 | $ 2.9658 | $ 4.0937 | $ 6.6796 | $ 3.2093 | $ 4.0271 | $ 4.9929 | $ 2.6282 | $ 4.7705 | $ 6.6493 |
| 85 | $ 2.6818 | $ 3.9682 | $ 6.4491 | $ 2.8138 | $ 4.4766 | $ 7.1037 | $ 2.6615 | $ 4.2446 | $ 6.5141 |
| 86 | $ 3.3651 | $ 4.6245 | $ 6.7817 | $ 2.7323 | $ 4.6092 | $ 6.7075 | $ 2.5655 | $ 4.4653 | $ 7.6346 |
| 87 | $ 2.9088 | $ 3.9763 | $ 5.3381 | $ 2.8940 | $ 4.5104 | $ 7.2122 | $ 2.8328 | $ 4.2689 | $ 5.8574 |
| 88 | $ 3.3068 | $ 4.5237 | $ 6.4803 | $ 2.9450 | $ 4.2187 | $ 6.8491 | $ 3.1915 | $ 4.8420 | $ 7.5974 |
| 89 | $ 2.9698 | $ 4.4634 | $ 7.0856 | $ 2.9834 | $ 4.4106 | $ 6.4104 | $ 2.7265 | $ 4.3174 | $ 7.6904 |
| 90 | $ 3.0663 | $ 4.5147 | $ 6.0299 | $ 2.9013 | $ 4.2612 | $ 6.6899 | $ 2.5655 | $ 4.0150 | $ 5.6361 |
| 91 | $ 3.4135 | $ 4.6387 | $ 6.7080 | $ 2.9821 | $ 4.8391 | $ 5.9276 | $ 3.2952 | $ 4.8202 | $ 6.7635 |
| 92 | $ 3.4633 | $ 4.4647 | $ 5.5471 | $ 3.0444 | $ 4.4867 | $ 5.9357 | $ 4.0818 | $ 4.9976 | $ 5.5561 |
| 93 | $ 2.7184 | $ 4.1499 | $ 5.9655 | $ 2.7022 | $ 3.8179 | $ 4.8821 | $ 2.5655 | $ 4.1097 | $ 6.6115 |
| 94 | $ 2.9793 | $ 3.7187 | $ 4.7234 | $ 2.6348 | $ 4.4422 | $ 6.5745 | $ 3.8583 | $ 5.5806 | $ 7.1320 |
| 95 | $ 3.1295 | $ 4.6074 | $ 6.2944 | $ 3.0570 | $ 5.1249 | $ 7.2237 | $ 2.8872 | $ 4.0324 | $ 5.5809 |
| 96 | $ 3.2065 | $ 4.1654 | $ 6.3488 | $ 2.7022 | $ 4.5170 | $ 6.3221 | $ 3.4176 | $ 4.4845 | $ 6.2348 |
| 97 | $ 3.6498 | $ 5.0002 | $ 6.2784 | $ 2.7022 | $ 4.5935 | $ 6.1199 | $ 3.2184 | $ 4.7996 | $ 6.6567 |
| 98 | $ 2.9495 | $ 4.0463 | $ 5.4703 | $ 3.4092 | $ 4.6331 | $ 6.2857 | $ 2.8834 | $ 4.3341 | $ 6.4807 |
| 99 | $ 2.9876 | $ 4.0297 | $ 5.3015 | $ 2.6348 | $ 4.1004 | $ 6.5376 | $ 2.6282 | $ 4.9491 | $ 7.4009 |
| 100 | $ 2.8704 | $ 4.4967 | $ 6.0446 | $ 3.3387 | $ 4.7843 | $ 7.1857 | $ 3.2199 | $ 4.8218 | $ 7.5752 |

| | 2023 | | | 2024 | | | 2025 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 3.1458 | $ 4.1545 | $ 6.1448 | $ 3.0556 | $ 4.4591 | $ 5.6209 | $ 2.5655 | $ 4.1498 | $ 7.6904 |
| 102 | $ 2.6818 | $ 4.1538 | $ 5.4825 | $ 2.6941 | $ 3.7629 | $ 6.1848 | $ 2.9839 | $ 4.7996 | $ 6.4248 |
| 103 | $ 3.0105 | $ 3.9850 | $ 5.5486 | $ 2.7187 | $ 4.7089 | $ 6.5379 | $ 2.9637 | $ 4.9460 | $ 6.5649 |
| 104 | $ 2.7541 | $ 4.2672 | $ 6.7044 | $ 2.7691 | $ 4.2149 | $ 5.8099 | $ 2.8318 | $ 4.2524 | $ 5.5481 |
| 105 | $ 2.6818 | $ 4.0815 | $ 6.1260 | $ 2.9283 | $ 4.4139 | $ 6.5029 | $ 2.7951 | $ 4.2009 | $ 6.5982 |
| 106 | $ 2.8192 | $ 4.2283 | $ 6.0648 | $ 2.6941 | $ 4.2327 | $ 5.8195 | $ 2.6324 | $ 4.4340 | $ 6.9431 |
| 107 | $ 3.3209 | $ 4.9197 | $ 6.8003 | $ 2.8037 | $ 4.2738 | $ 6.5838 | $ 3.4440 | $ 4.8179 | $ 6.9151 |
| 108 | $ 2.7650 | $ 3.7347 | $ 5.5941 | $ 3.0743 | $ 4.7280 | $ 7.2555 | $ 2.6925 | $ 4.7644 | $ 6.8029 |
| 109 | $ 3.0156 | $ 4.1315 | $ 5.4512 | $ 3.1515 | $ 4.0312 | $ 4.8696 | $ 2.7458 | $ 4.4576 | $ 7.7521 |
| 110 | $ 2.9793 | $ 4.2795 | $ 6.0529 | $ 3.4847 | $ 4.6380 | $ 7.1003 | $ 2.9384 | $ 4.7268 | $ 7.3794 |
| 111 | $ 2.7216 | $ 4.6622 | $ 6.6517 | $ 3.4115 | $ 4.5648 | $ 6.0587 | $ 2.8111 | $ 4.4313 | $ 6.1755 |
| 112 | $ 2.6570 | $ 3.9968 | $ 6.2267 | $ 2.8600 | $ 4.3301 | $ 6.3501 | $ 3.0503 | $ 4.4593 | $ 5.8920 |
| 113 | $ 2.9248 | $ 4.3109 | $ 5.9101 | $ 3.2691 | $ 4.8777 | $ 7.5467 | $ 3.3544 | $ 4.2810 | $ 4.9987 |
| 114 | $ 2.9897 | $ 4.5891 | $ 6.4381 | $ 2.8616 | $ 4.3291 | $ 7.0481 | $ 3.7310 | $ 4.8046 | $ 5.8037 |
| 115 | $ 2.7216 | $ 4.5770 | $ 6.5152 | $ 3.3172 | $ 4.4117 | $ 7.1671 | $ 3.1520 | $ 4.5280 | $ 5.9747 |
| 116 | $ 3.3840 | $ 4.1743 | $ 6.3605 | $ 3.0647 | $ 4.5428 | $ 6.4245 | $ 3.1040 | $ 4.3882 | $ 6.7301 |
| 117 | $ 3.1331 | $ 4.1657 | $ 6.7114 | $ 2.8529 | $ 4.0931 | $ 5.5826 | $ 2.8012 | $ 4.4512 | $ 7.6993 |
| 118 | $ 2.7541 | $ 4.1561 | $ 7.0856 | $ 2.7323 | $ 4.2144 | $ 5.8677 | $ 3.2897 | $ 4.4326 | $ 6.1047 |
| 119 | $ 2.7040 | $ 4.3975 | $ 6.3991 | $ 2.9368 | $ 4.3574 | $ 5.6546 | $ 2.6282 | $ 5.1767 | $ 7.5752 |
| 120 | $ 2.9525 | $ 4.2527 | $ 5.7489 | $ 3.5241 | $ 4.7645 | $ 7.0284 | $ 2.8021 | $ 4.6803 | $ 7.5994 |
| 121 | $ 2.8678 | $ 4.1900 | $ 5.3283 | $ 3.5284 | $ 4.8652 | $ 7.0157 | $ 3.1204 | $ 4.7694 | $ 6.3413 |
| 122 | $ 2.9848 | $ 4.4348 | $ 5.5243 | $ 2.7691 | $ 4.1961 | $ 5.3956 | $ 2.8546 | $ 3.7592 | $ 4.7232 |
| 123 | $ 2.9259 | $ 4.5205 | $ 5.7565 | $ 2.7022 | $ 4.4147 | $ 7.2831 | $ 3.0870 | $ 4.7707 | $ 7.6085 |
| 124 | $ 2.9550 | $ 4.2883 | $ 5.8417 | $ 3.2981 | $ 4.2737 | $ 6.6895 | $ 3.1780 | $ 4.6583 | $ 7.4553 |
| 125 | $ 2.7459 | $ 4.1118 | $ 6.1576 | $ 2.6941 | $ 4.4608 | $ 6.0250 | $ 2.6879 | $ 4.3945 | $ 7.1048 |
| 126 | $ 2.8709 | $ 3.9175 | $ 4.8726 | $ 2.7323 | $ 4.6809 | $ 7.5467 | $ 2.6324 | $ 4.2394 | $ 5.3178 |
| 127 | $ 2.6411 | $ 4.2708 | $ 6.0517 | $ 3.2017 | $ 4.7520 | $ 6.2511 | $ 2.7951 | $ 4.8271 | $ 7.6346 |
| 128 | $ 2.6411 | $ 4.1421 | $ 6.1885 | $ 3.2778 | $ 4.5055 | $ 6.0528 | $ 2.9760 | $ 4.6131 | $ 6.4168 |
| 129 | $ 3.3252 | $ 4.2620 | $ 5.4690 | $ 2.8529 | $ 4.0740 | $ 5.3415 | $ 3.1529 | $ 4.8349 | $ 6.5684 |
| 130 | $ 2.9353 | $ 4.4002 | $ 5.7206 | $ 3.0175 | $ 4.3780 | $ 6.8931 | $ 2.6615 | $ 4.2360 | $ 5.3945 |
| 131 | $ 2.7479 | $ 4.1617 | $ 5.2486 | $ 2.7187 | $ 4.7283 | $ 6.6161 | $ 2.6282 | $ 4.5233 | $ 6.0883 |
| 132 | $ 2.6411 | $ 3.9129 | $ 6.1977 | $ 2.9611 | $ 4.2992 | $ 5.7236 | $ 3.2876 | $ 4.6482 | $ 7.1094 |
| 133 | $ 2.6818 | $ 4.1139 | $ 5.6122 | $ 2.6348 | $ 4.4575 | $ 7.0157 | $ 2.8538 | $ 4.2575 | $ 5.8072 |
| 134 | $ 3.4581 | $ 4.4398 | $ 5.5424 | $ 2.7187 | $ 4.7993 | $ 7.1879 | $ 3.3572 | $ 4.9185 | $ 6.9077 |
| 135 | $ 3.2701 | $ 4.5326 | $ 6.7114 | $ 2.9734 | $ 4.7710 | $ 7.1857 | $ 2.9017 | $ 4.8789 | $ 6.8515 |
| 136 | $ 3.3140 | $ 4.9024 | $ 7.0856 | $ 2.7691 | $ 4.3437 | $ 6.3150 | $ 2.9210 | $ 4.4738 | $ 6.5690 |
| 137 | $ 3.1948 | $ 4.4223 | $ 6.7008 | $ 2.7883 | $ 4.7103 | $ 7.2831 | $ 2.8839 | $ 4.3856 | $ 6.7530 |
| 138 | $ 2.7479 | $ 3.9822 | $ 5.0206 | $ 2.9796 | $ 4.1196 | $ 6.1986 | $ 3.3937 | $ 4.3723 | $ 6.9469 |
| 139 | $ 2.9380 | $ 4.1022 | $ 5.9123 | $ 2.7187 | $ 4.2002 | $ 6.6067 | $ 3.2676 | $ 5.0258 | $ 7.4601 |
| 140 | $ 2.9054 | $ 4.1493 | $ 6.4701 | $ 2.9572 | $ 4.7049 | $ 6.5584 | $ 2.8093 | $ 4.7454 | $ 6.4522 |
| 141 | $ 2.7216 | $ 3.9609 | $ 5.8539 | $ 3.1347 | $ 4.3057 | $ 5.3252 | $ 3.4993 | $ 4.8983 | $ 6.7019 |
| 142 | $ 2.9995 | $ 3.8865 | $ 5.2958 | $ 2.9880 | $ 4.7620 | $ 6.8036 | $ 2.8156 | $ 4.3332 | $ 5.6240 |
| 143 | $ 2.8260 | $ 4.7812 | $ 6.6071 | $ 2.9264 | $ 4.3328 | $ 5.9177 | $ 3.0846 | $ 4.9573 | $ 7.5752 |
| 144 | $ 3.0029 | $ 4.3271 | $ 5.8815 | $ 3.2009 | $ 4.6165 | $ 7.0791 | $ 3.1596 | $ 5.0692 | $ 6.7627 |
| 145 | $ 2.7177 | $ 4.1697 | $ 6.3657 | $ 2.8529 | $ 4.7008 | $ 7.0157 | $ 3.1047 | $ 4.5719 | $ 7.6136 |
| 146 | $ 2.7479 | $ 4.0312 | $ 5.1269 | $ 2.7185 | $ 4.4449 | $ 6.4596 | $ 2.8785 | $ 4.3894 | $ 6.0896 |
| 147 | $ 3.1460 | $ 4.0323 | $ 5.5644 | $ 2.8529 | $ 4.1991 | $ 5.4183 | $ 3.5605 | $ 5.1914 | $ 7.4126 |
| 148 | $ 3.0551 | $ 3.9884 | $ 5.4658 | $ 3.2423 | $ 4.6020 | $ 6.9123 | $ 3.1363 | $ 4.1150 | $ 6.3445 |
| 149 | $ 2.8209 | $ 3.9667 | $ 7.0856 | $ 3.1275 | $ 4.6337 | $ 7.1612 | $ 2.9990 | $ 4.1384 | $ 5.1964 |
| 150 | $ 2.9064 | $ 4.5006 | $ 6.1871 | $ 2.6348 | $ 4.4368 | $ 6.9678 | $ 2.5655 | $ 4.1389 | $ 5.9011 |

| | 2023 | | | 2024 | | | 2025 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 3.7115 | $ 4.5258 | $ 5.5918 | $ 3.2259 | $ 4.6001 | $ 5.5606 | $ 2.7221 | $ 4.2371 | $ 6.1692 |
| 152 | $ 2.8229 | $ 3.5775 | $ 4.7788 | $ 3.2199 | $ 4.6465 | $ 5.5883 | $ 2.7095 | $ 4.0950 | $ 5.7536 |
| 153 | $ 3.2057 | $ 4.2830 | $ 6.0197 | $ 3.6079 | $ 4.8500 | $ 6.3530 | $ 2.8021 | $ 4.5635 | $ 6.4479 |
| 154 | $ 2.7355 | $ 4.3425 | $ 6.7008 | $ 2.9445 | $ 4.4459 | $ 7.0157 | $ 2.8259 | $ 4.0837 | $ 5.1054 |
| 155 | $ 3.0761 | $ 4.1147 | $ 5.7079 | $ 3.2998 | $ 4.7307 | $ 7.1857 | $ 3.2190 | $ 4.2559 | $ 5.8383 |
| 156 | $ 3.0046 | $ 4.4025 | $ 6.7044 | $ 2.6941 | $ 4.3265 | $ 7.0774 | $ 2.6581 | $ 4.7074 | $ 6.6398 |
| 157 | $ 2.7040 | $ 3.9682 | $ 4.8697 | $ 3.0203 | $ 4.4379 | $ 7.2831 | $ 2.9103 | $ 4.3471 | $ 5.4706 |
| 158 | $ 2.9359 | $ 4.0672 | $ 5.4663 | $ 2.7331 | $ 4.4867 | $ 6.6497 | $ 2.9540 | $ 4.7115 | $ 7.2589 |
| 159 | $ 3.5615 | $ 4.5082 | $ 6.4317 | $ 2.7022 | $ 4.3520 | $ 6.7180 | $ 2.9803 | $ 4.4373 | $ 7.6085 |
| 160 | $ 3.0326 | $ 4.0235 | $ 5.4845 | $ 2.9013 | $ 4.3125 | $ 6.4859 | $ 3.0757 | $ 4.4116 | $ 5.9958 |
| 161 | $ 3.3328 | $ 4.5172 | $ 5.7716 | $ 2.7737 | $ 4.9853 | $ 6.4634 | $ 3.1493 | $ 4.3929 | $ 5.9060 |
| 162 | $ 2.9259 | $ 4.2340 | $ 5.8404 | $ 2.8529 | $ 4.1572 | $ 5.8482 | $ 3.6385 | $ 4.8565 | $ 6.0035 |
| 163 | $ 2.6411 | $ 4.2517 | $ 5.6516 | $ 3.7900 | $ 4.7343 | $ 6.7687 | $ 3.1363 | $ 4.2606 | $ 5.4084 |
| 164 | $ 3.0301 | $ 4.8160 | $ 6.7938 | $ 3.1804 | $ 4.7820 | $ 7.3373 | $ 2.9282 | $ 4.2630 | $ 6.2614 |
| 165 | $ 3.4220 | $ 4.4306 | $ 6.4681 | $ 3.3370 | $ 4.3003 | $ 5.2372 | $ 2.7721 | $ 4.5946 | $ 6.0146 |
| 166 | $ 2.8851 | $ 4.2815 | $ 6.8412 | $ 3.9703 | $ 4.9720 | $ 7.2122 | $ 3.0136 | $ 4.5421 | $ 5.8512 |
| 167 | $ 3.1548 | $ 4.2648 | $ 6.7877 | $ 3.0799 | $ 4.9080 | $ 6.9367 | $ 2.7584 | $ 4.5431 | $ 6.8865 |
| 168 | $ 3.1003 | $ 4.5401 | $ 6.6177 | $ 3.8598 | $ 4.9200 | $ 6.5093 | $ 2.8021 | $ 4.1580 | $ 6.6902 |
| 169 | $ 3.0770 | $ 4.5453 | $ 6.8715 | $ 2.8529 | $ 4.9009 | $ 7.1857 | $ 2.6282 | $ 4.4159 | $ 5.4044 |
| 170 | $ 3.0149 | $ 4.3175 | $ 5.8167 | $ 2.7187 | $ 4.5875 | $ 6.2231 | $ 2.7058 | $ 4.8540 | $ 7.6429 |
| 171 | $ 2.9728 | $ 4.2177 | $ 5.0950 | $ 2.7319 | $ 4.5468 | $ 7.1632 | $ 3.0534 | $ 4.3953 | $ 6.2035 |
| 172 | $ 2.9884 | $ 4.3033 | $ 6.8671 | $ 2.9814 | $ 4.4700 | $ 7.0355 | $ 3.4674 | $ 4.2428 | $ 6.9171 |
| 173 | $ 2.8592 | $ 3.9804 | $ 6.1775 | $ 2.7323 | $ 4.4436 | $ 5.9306 | $ 2.6435 | $ 4.5604 | $ 6.7569 |
| 174 | $ 2.9054 | $ 4.0306 | $ 4.8263 | $ 2.9898 | $ 5.1911 | $ 7.1588 | $ 2.9448 | $ 4.2062 | $ 5.6830 |
| 175 | $ 3.3588 | $ 4.3830 | $ 5.8028 | $ 3.0123 | $ 4.4608 | $ 5.9922 | $ 3.0042 | $ 4.4026 | $ 6.4613 |
| 176 | $ 2.9793 | $ 3.9891 | $ 5.4312 | $ 3.1365 | $ 4.5295 | $ 5.5127 | $ 3.3218 | $ 4.5666 | $ 6.0380 |
| 177 | $ 2.9259 | $ 4.2043 | $ 6.3566 | $ 2.8529 | $ 4.7346 | $ 7.1671 | $ 2.6632 | $ 4.6930 | $ 6.6941 |
| 178 | $ 2.9629 | $ 4.1130 | $ 5.7357 | $ 3.2176 | $ 4.8879 | $ 7.1670 | $ 2.7928 | $ 4.4807 | $ 7.2139 |
| 179 | $ 2.9141 | $ 4.0545 | $ 5.9239 | $ 3.0214 | $ 4.0514 | $ 5.8351 | $ 2.7951 | $ 4.1904 | $ 6.1260 |
| 180 | $ 3.0361 | $ 4.3321 | $ 5.1549 | $ 2.7691 | $ 4.6283 | $ 7.0157 | $ 2.9338 | $ 4.5423 | $ 7.3552 |
| 181 | $ 3.0397 | $ 4.5342 | $ 6.6527 | $ 2.7691 | $ 4.1747 | $ 7.2831 | $ 2.6324 | $ 4.6236 | $ 7.6904 |
| 182 | $ 2.8823 | $ 4.5534 | $ 6.6796 | $ 2.8860 | $ 4.2738 | $ 5.6290 | $ 3.1863 | $ 4.6544 | $ 7.6085 |
| 183 | $ 2.7541 | $ 3.9178 | $ 5.4661 | $ 3.0687 | $ 3.9700 | $ 4.9101 | $ 2.9853 | $ 4.7179 | $ 7.5752 |
| 184 | $ 3.0903 | $ 4.0626 | $ 6.5308 | $ 2.6941 | $ 3.7485 | $ 5.1735 | $ 2.7778 | $ 4.7506 | $ 6.9216 |
| 185 | $ 2.9793 | $ 3.9578 | $ 5.7292 | $ 3.1795 | $ 4.6075 | $ 6.1983 | $ 3.3036 | $ 4.9865 | $ 7.1235 |
| 186 | $ 3.1799 | $ 4.4161 | $ 6.5597 | $ 2.7691 | $ 3.7505 | $ 5.8395 | $ 2.7860 | $ 4.5368 | $ 7.3317 |
| 187 | $ 2.7247 | $ 3.9210 | $ 6.0179 | $ 2.8616 | $ 4.7978 | $ 7.1612 | $ 2.7058 | $ 4.6444 | $ 7.6993 |
| 188 | $ 2.9495 | $ 4.2001 | $ 6.2835 | $ 2.8860 | $ 4.2342 | $ 5.6993 | $ 2.8582 | $ 4.3722 | $ 6.3497 |
| 189 | $ 2.7479 | $ 4.1902 | $ 4.9564 | $ 2.9013 | $ 4.7163 | $ 7.2831 | $ 3.3285 | $ 4.5058 | $ 5.6546 |
| 190 | $ 2.7973 | $ 3.9274 | $ 5.0934 | $ 2.9712 | $ 4.7686 | $ 5.9634 | $ 2.7058 | $ 4.0889 | $ 6.1546 |
| 191 | $ 3.0927 | $ 4.6365 | $ 6.7114 | $ 2.7323 | $ 4.5019 | $ 6.5071 | $ 2.7199 | $ 4.6455 | $ 7.6085 |
| 192 | $ 3.4828 | $ 4.4960 | $ 5.6507 | $ 2.7582 | $ 4.6973 | $ 6.7037 | $ 2.6324 | $ 4.3171 | $ 6.1639 |
| 193 | $ 3.0904 | $ 4.0809 | $ 5.1155 | $ 3.7271 | $ 4.5299 | $ 7.1179 | $ 3.0405 | $ 5.4337 | $ 7.6346 |
| 194 | $ 2.7541 | $ 3.8277 | $ 4.7483 | $ 3.4325 | $ 4.6428 | $ 7.1670 | $ 3.2259 | $ 4.5940 | $ 7.0885 |
| 195 | $ 2.8304 | $ 4.1788 | $ 5.9474 | $ 2.9013 | $ 4.4981 | $ 5.9310 | $ 2.6615 | $ 4.3886 | $ 7.6085 |
| 196 | $ 2.8709 | $ 3.8603 | $ 5.1420 | $ 2.7323 | $ 4.5176 | $ 7.1671 | $ 3.1267 | $ 4.6115 | $ 7.1205 |
| 197 | $ 2.7216 | $ 3.9654 | $ 5.7175 | $ 2.9611 | $ 3.8393 | $ 5.9726 | $ 2.9897 | $ 4.5754 | $ 7.2346 |
| 198 | $ 2.8670 | $ 4.0064 | $ 6.3267 | $ 2.9443 | $ 4.2700 | $ 6.6109 | $ 2.8328 | $ 4.6782 | $ 6.8012 |
| 199 | $ 3.0950 | $ 3.9493 | $ 5.9973 | $ 3.0667 | $ 4.8496 | $ 6.5376 | $ 2.6282 | $ 5.0047 | $ 7.1958 |
| 200 | $ 3.2968 | $ 4.3590 | $ 5.7312 | $ 2.8529 | $ 4.4713 | $ 6.5997 | $ 3.1041 | $ 4.7726 | $ 6.7098 |
| Min | $ 2.6411 | $ 3.5775 | $ 4.7234 | $ 2.6348 | $ 3.4688 | $ 4.8696 | $ 2.5655 | $ 3.7282 | $ 4.2923 |
| Average | $ 2.9951 | $ 4.2692 | $ 5.9833 | $ 3.0037 | $ 4.4883 | $ 6.4653 | $ 2.9685 | $ 4.5596 | $ 6.6311 |
| Max | $ 3.7115 | $ 5.0656 | $ 7.0856 | $ 3.9703 | $ 5.1911 | $ 7.5467 | $ 4.0818 | $ 5.5806 | $ 7.7856 |

| | 2026 | | | 2027 | | | 2028 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 2.6986 | $ 4.4689 | $ 6.5035 | $ 2.8489 | $ 4.6787 | $ 7.4625 | $ 3.1763 | $ 4.8428 | $ 8.9860 |
| 2 | $ 2.8287 | $ 5.4431 | $ 8.2153 | $ 3.1449 | $ 5.3369 | $ 8.6265 | $ 3.1703 | $ 5.2820 | $ 7.4958 |
| 3 | $ 3.1791 | $ 4.5630 | $ 7.5253 | $ 3.2782 | $ 4.9350 | $ 8.3275 | $ 2.9720 | $ 5.2923 | $ 9.1305 |
| 4 | $ 2.7940 | $ 4.7024 | $ 6.7880 | $ 2.8307 | $ 5.3091 | $ 8.5758 | $ 2.9696 | $ 5.4283 | $ 8.2039 |
| 5 | $ 2.7727 | $ 4.3891 | $ 6.1478 | $ 2.5667 | $ 4.3950 | $ 6.3442 | $ 3.8158 | $ 5.3125 | $ 9.0744 |
| 6 | $ 2.7940 | $ 4.3158 | $ 6.4923 | $ 3.9257 | $ 4.9477 | $ 5.8747 | $ 4.2376 | $ 5.6117 | $ 7.6466 |
| 7 | $ 2.6873 | $ 4.5593 | $ 7.0759 | $ 2.5145 | $ 4.7754 | $ 6.8164 | $ 3.8174 | $ 5.6812 | $ 9.1455 |
| 8 | $ 2.6873 | $ 4.4531 | $ 6.8982 | $ 3.4604 | $ 5.1497 | $ 7.9213 | $ 2.7941 | $ 4.4062 | $ 6.9250 |
| 9 | $ 2.6435 | $ 4.8818 | $ 8.0495 | $ 3.7027 | $ 5.0646 | $ 6.8872 | $ 2.6231 | $ 5.1170 | $ 7.1568 |
| 10 | $ 2.6124 | $ 4.8981 | $ 8.0236 | $ 2.8276 | $ 4.7257 | $ 6.7020 | $ 2.6231 | $ 5.0207 | $ 7.3024 |
| 11 | $ 3.7606 | $ 5.4485 | $ 8.0141 | $ 3.1401 | $ 5.0654 | $ 8.6265 | $ 2.8480 | $ 5.3796 | $ 9.0744 |
| 12 | $ 2.8460 | $ 4.8195 | $ 7.5039 | $ 3.1193 | $ 4.8692 | $ 7.0750 | $ 2.8691 | $ 4.8241 | $ 8.1439 |
| 13 | $ 2.9692 | $ 4.4082 | $ 8.0619 | $ 3.2873 | $ 5.5588 | $ 8.5758 | $ 3.5608 | $ 5.0372 | $ 8.1767 |
| 14 | $ 2.8952 | $ 4.4501 | $ 6.0213 | $ 3.6633 | $ 5.4182 | $ 8.5215 | $ 2.8258 | $ 4.5158 | $ 8.2799 |
| 15 | $ 2.6287 | $ 4.5361 | $ 8.2199 | $ 3.0442 | $ 4.7852 | $ 6.8747 | $ 2.7788 | $ 4.7284 | $ 7.5404 |
| 16 | $ 2.9539 | $ 4.5870 | $ 7.1423 | $ 2.7769 | $ 5.2067 | $ 8.6265 | $ 3.7695 | $ 5.9057 | $ 7.4479 |
| 17 | $ 3.2959 | $ 5.1520 | $ 6.9976 | $ 3.1803 | $ 5.4889 | $ 7.2555 | $ 3.0752 | $ 5.3067 | $ 9.2225 |
| 18 | $ 3.3992 | $ 5.3337 | $ 8.0575 | $ 2.6282 | $ 4.3898 | $ 6.1618 | $ 3.7076 | $ 5.2297 | $ 8.3321 |
| 19 | $ 3.2377 | $ 4.4596 | $ 5.9376 | $ 2.7061 | $ 4.0553 | $ 7.0616 | $ 3.0205 | $ 5.3455 | $ 9.1305 |
| 20 | $ 2.6124 | $ 5.0536 | $ 7.7019 | $ 3.4137 | $ 5.9290 | $ 8.5260 | $ 2.5681 | $ 5.2735 | $ 9.4141 |
| 21 | $ 4.0756 | $ 5.1827 | $ 6.5055 | $ 3.8067 | $ 5.3044 | $ 8.5046 | $ 3.0151 | $ 5.5992 | $ 9.0007 |
| 22 | $ 3.3395 | $ 4.6342 | $ 7.0457 | $ 2.6282 | $ 5.3372 | $ 8.3905 | $ 3.3883 | $ 5.4085 | $ 9.0007 |
| 23 | $ 2.9103 | $ 4.9116 | $ 6.7152 | $ 3.9121 | $ 5.2550 | $ 7.9883 | $ 3.1435 | $ 5.8127 | $ 8.6197 |
| 24 | $ 2.6124 | $ 5.2383 | $ 8.4456 | $ 3.2089 | $ 5.1058 | $ 8.4957 | $ 3.0456 | $ 5.0818 | $ 8.8327 |
| 25 | $ 2.8898 | $ 4.7231 | $ 7.0948 | $ 3.0416 | $ 5.2411 | $ 7.6859 | $ 3.1563 | $ 4.9765 | $ 6.3996 |
| 26 | $ 4.1017 | $ 5.3362 | $ 7.8068 | $ 3.7291 | $ 5.5089 | $ 7.5713 | $ 3.9306 | $ 5.5329 | $ 6.9587 |
| 27 | $ 2.8730 | $ 4.3231 | $ 6.0094 | $ 3.5136 | $ 5.6159 | $ 8.4957 | $ 3.1720 | $ 5.0153 | $ 8.4492 |
| 28 | $ 3.2533 | $ 4.6571 | $ 7.9697 | $ 3.2329 | $ 4.6469 | $ 6.4365 | $ 3.3122 | $ 5.8615 | $ 9.0744 |
| 29 | $ 2.8374 | $ 4.5467 | $ 5.7879 | $ 2.5145 | $ 4.8129 | $ 8.5758 | $ 3.4538 | $ 5.4036 | $ 8.5228 |
| 30 | $ 2.6124 | $ 4.6835 | $ 7.4917 | $ 3.5369 | $ 5.5617 | $ 8.5260 | $ 2.9597 | $ 5.1185 | $ 9.4141 |
| 31 | $ 4.2900 | $ 5.7537 | $ 8.0564 | $ 2.7589 | $ 4.4007 | $ 5.8001 | $ 3.0318 | $ 5.5112 | $ 9.1305 |
| 32 | $ 3.3669 | $ 4.9035 | $ 7.9313 | $ 3.5515 | $ 4.7322 | $ 5.6757 | $ 3.0162 | $ 5.5832 | $ 8.5396 |
| 33 | $ 3.4145 | $ 4.5172 | $ 5.8303 | $ 3.5930 | $ 4.8922 | $ 7.1933 | $ 3.4003 | $ 5.1397 | $ 8.6746 |
| 34 | $ 2.7140 | $ 4.5316 | $ 6.1880 | $ 2.7998 | $ 4.1679 | $ 5.9475 | $ 2.7663 | $ 4.8201 | $ 8.1202 |
| 35 | $ 2.7544 | $ 5.1441 | $ 8.2199 | $ 3.3620 | $ 5.1620 | $ 8.5033 | $ 2.8050 | $ 4.3262 | $ 6.1510 |
| 36 | $ 3.2599 | $ 4.7850 | $ 6.5013 | $ 3.0799 | $ 4.9738 | $ 8.0438 | $ 3.1340 | $ 5.4954 | $ 8.6843 |
| 37 | $ 2.9580 | $ 4.1908 | $ 6.3677 | $ 2.7393 | $ 4.9977 | $ 6.9361 | $ 3.3320 | $ 4.6739 | $ 7.0950 |
| 38 | $ 2.8287 | $ 4.6299 | $ 7.1860 | $ 3.4879 | $ 4.8701 | $ 8.3364 | $ 2.9344 | $ 4.6085 | $ 6.4792 |
| 39 | $ 2.5419 | $ 4.6087 | $ 8.0564 | $ 2.8539 | $ 4.0829 | $ 8.5260 | $ 2.5190 | $ 5.3698 | $ 9.0029 |
| 40 | $ 3.1011 | $ 4.5906 | $ 7.0429 | $ 3.2700 | $ 4.5704 | $ 5.8952 | $ 2.7636 | $ 5.2641 | $ 8.1898 |
| 41 | $ 2.7302 | $ 4.7655 | $ 7.2702 | $ 2.6132 | $ 4.6139 | $ 8.0800 | $ 3.7842 | $ 5.5985 | $ 8.9740 |
| 42 | $ 2.5419 | $ 4.6982 | $ 8.0619 | $ 2.9841 | $ 4.5245 | $ 6.3766 | $ 3.6994 | $ 5.0428 | $ 6.3473 |
| 43 | $ 3.7508 | $ 4.7211 | $ 7.2238 | $ 3.6736 | $ 5.0571 | $ 7.9902 | $ 3.2444 | $ 5.6510 | $ 8.1561 |
| 44 | $ 3.3358 | $ 4.8923 | $ 8.0564 | $ 3.5929 | $ 5.3530 | $ 6.6039 | $ 3.1485 | $ 5.5160 | $ 7.2948 |
| 45 | $ 3.3925 | $ 5.0470 | $ 7.8718 | $ 2.7574 | $ 5.1584 | $ 8.6265 | $ 3.4938 | $ 5.6930 | $ 9.1305 |
| 46 | $ 3.9374 | $ 5.0813 | $ 7.8636 | $ 2.6132 | $ 4.2847 | $ 8.6227 | $ 3.6696 | $ 5.1016 | $ 9.0686 |
| 47 | $ 3.3719 | $ 5.0813 | $ 8.1646 | $ 3.3887 | $ 5.4487 | $ 7.7686 | $ 3.1518 | $ 4.4243 | $ 6.7138 |
| 48 | $ 3.6276 | $ 4.8965 | $ 7.9737 | $ 3.0426 | $ 5.2257 | $ 7.8209 | $ 3.2009 | $ 5.0020 | $ 9.0007 |
| 49 | $ 3.6523 | $ 5.0770 | $ 6.7943 | $ 2.5853 | $ 5.0980 | $ 6.7855 | $ 4.0179 | $ 5.8133 | $ 9.4141 |
| 50 | $ 2.7727 | $ 4.1243 | $ 8.0374 | $ 3.4095 | $ 4.8308 | $ 8.5204 | $ 3.3611 | $ 5.7150 | $ 8.9897 |

| | 2026 | | | 2027 | | | 2028 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 3.8073 | $ 4.8967 | $ 7.0862 | $ 2.7589 | $ 5.1777 | $ 8.5758 | $ 3.1469 | $ 4.9531 | $ 8.2404 |
| 52 | $ 2.8080 | $ 4.7027 | $ 8.4456 | $ 2.9657 | $ 4.8440 | $ 8.5215 | $ 2.9264 | $ 5.2181 | $ 9.0007 |
| 53 | $ 3.0185 | $ 4.6171 | $ 7.2593 | $ 2.6132 | $ 4.7967 | $ 7.8627 | $ 2.6231 | $ 5.1757 | $ 9.4141 |
| 54 | $ 3.2389 | $ 4.4515 | $ 6.3821 | $ 2.9638 | $ 4.2879 | $ 5.9525 | $ 3.3787 | $ 5.0117 | $ 7.8217 |
| 55 | $ 2.8050 | $ 4.4325 | $ 6.2343 | $ 3.1459 | $ 5.6739 | $ 8.4957 | $ 3.5787 | $ 5.0342 | $ 8.0270 |
| 56 | $ 2.9177 | $ 4.3170 | $ 6.6838 | $ 2.8887 | $ 5.7120 | $ 8.5781 | $ 3.6262 | $ 5.5607 | $ 9.0007 |
| 57 | $ 3.6569 | $ 5.4926 | $ 8.0495 | $ 3.5401 | $ 4.2894 | $ 6.1461 | $ 2.7973 | $ 4.8528 | $ 8.5692 |
| 58 | $ 2.8050 | $ 5.1807 | $ 8.3363 | $ 2.6132 | $ 4.3014 | $ 5.5524 | $ 2.7622 | $ 5.0019 | $ 7.5171 |
| 59 | $ 2.6124 | $ 4.2867 | $ 6.1678 | $ 3.3556 | $ 5.2601 | $ 8.4957 | $ 3.5343 | $ 5.2925 | $ 7.7950 |
| 60 | $ 2.8564 | $ 4.6261 | $ 7.7301 | $ 3.4964 | $ 5.3045 | $ 8.5781 | $ 2.5190 | $ 4.2315 | $ 6.4931 |
| 61 | $ 2.8149 | $ 4.4174 | $ 5.9182 | $ 3.8237 | $ 5.5847 | $ 8.1301 | $ 3.2227 | $ 5.7709 | $ 9.1077 |
| 62 | $ 3.4643 | $ 4.8145 | $ 6.3070 | $ 3.9430 | $ 5.3277 | $ 8.5758 | $ 3.7535 | $ 5.3753 | $ 8.5352 |
| 63 | $ 3.2856 | $ 4.7567 | $ 5.7590 | $ 3.1845 | $ 4.9547 | $ 8.0339 | $ 3.4048 | $ 5.2588 | $ 7.4034 |
| 64 | $ 2.9295 | $ 5.1259 | $ 7.7026 | $ 3.4935 | $ 4.4441 | $ 6.4962 | $ 2.6945 | $ 5.1157 | $ 7.4713 |
| 65 | $ 2.6287 | $ 4.6284 | $ 6.5897 | $ 3.0396 | $ 4.6028 | $ 6.4154 | $ 2.8480 | $ 4.8169 | $ 6.9208 |
| 66 | $ 2.8462 | $ 4.6364 | $ 6.6936 | $ 3.1940 | $ 4.7308 | $ 8.2676 | $ 2.8480 | $ 5.1604 | $ 8.9860 |
| 67 | $ 2.5419 | $ 4.5917 | $ 7.5544 | $ 2.8225 | $ 5.1816 | $ 7.1743 | $ 3.1320 | $ 5.2947 | $ 7.3755 |
| 68 | $ 3.9217 | $ 5.1844 | $ 6.4648 | $ 2.8066 | $ 5.3888 | $ 8.2676 | $ 2.5681 | $ 4.8858 | $ 7.7204 |
| 69 | $ 2.8050 | $ 4.5951 | $ 6.6208 | $ 2.5145 | $ 4.5663 | $ 6.8297 | $ 3.0793 | $ 4.8972 | $ 7.8537 |
| 70 | $ 3.1909 | $ 4.8960 | $ 7.3028 | $ 2.5576 | $ 4.2221 | $ 8.6265 | $ 3.5320 | $ 4.8246 | $ 6.0625 |
| 71 | $ 3.2125 | $ 4.4511 | $ 6.6600 | $ 2.8621 | $ 4.5711 | $ 8.3780 | $ 3.5342 | $ 4.7259 | $ 6.1281 |
| 72 | $ 3.0534 | $ 4.2803 | $ 4.9397 | $ 3.7651 | $ 4.3918 | $ 6.6674 | $ 3.2139 | $ 5.2132 | $ 9.0686 |
| 73 | $ 4.0601 | $ 5.1278 | $ 8.0399 | $ 3.4590 | $ 4.9824 | $ 6.3709 | $ 2.7636 | $ 5.0626 | $ 7.4566 |
| 74 | $ 3.5461 | $ 5.4924 | $ 8.0619 | $ 2.5576 | $ 4.2665 | $ 6.6623 | $ 2.6231 | $ 4.8692 | $ 7.4326 |
| 75 | $ 2.9872 | $ 5.0145 | $ 7.4589 | $ 2.6282 | $ 4.5228 | $ 6.1538 | $ 3.3738 | $ 5.5367 | $ 7.4003 |
| 76 | $ 3.1764 | $ 4.2681 | $ 6.8496 | $ 2.6749 | $ 5.0397 | $ 8.5758 | $ 3.4017 | $ 5.5969 | $ 9.1443 |
| 77 | $ 2.8439 | $ 5.1045 | $ 8.1235 | $ 3.1246 | $ 4.5991 | $ 6.9446 | $ 3.5796 | $ 4.7517 | $ 6.5542 |
| 78 | $ 2.6515 | $ 4.7054 | $ 7.2763 | $ 2.6132 | $ 4.7343 | $ 7.5896 | $ 3.2319 | $ 5.2527 | $ 9.0007 |
| 79 | $ 2.7727 | $ 4.6309 | $ 7.5152 | $ 2.6132 | $ 4.8630 | $ 8.6265 | $ 3.6996 | $ 5.2584 | $ 8.9911 |
| 80 | $ 3.3277 | $ 4.5048 | $ 6.4873 | $ 3.9414 | $ 4.9459 | $ 6.9330 | $ 2.9873 | $ 4.3819 | $ 6.4141 |
| 81 | $ 2.7925 | $ 4.7392 | $ 7.8895 | $ 3.2637 | $ 4.9122 | $ 7.1423 | $ 2.7788 | $ 4.7294 | $ 7.8800 |
| 82 | $ 3.3527 | $ 4.8135 | $ 6.2727 | $ 3.1168 | $ 4.5968 | $ 7.5193 | $ 2.5190 | $ 4.8303 | $ 6.6757 |
| 83 | $ 3.1119 | $ 4.5143 | $ 7.2315 | $ 3.1007 | $ 4.9945 | $ 7.1738 | $ 4.5586 | $ 6.0966 | $ 8.8327 |
| 84 | $ 2.7598 | $ 4.4637 | $ 6.0326 | $ 3.2577 | $ 5.4698 | $ 8.3594 | $ 2.7272 | $ 5.0678 | $ 8.5368 |
| 85 | $ 2.9302 | $ 4.9925 | $ 7.0917 | $ 2.8829 | $ 4.8030 | $ 8.0098 | $ 2.6885 | $ 5.2207 | $ 8.1416 |
| 86 | $ 3.0621 | $ 4.3370 | $ 6.6055 | $ 3.0901 | $ 5.1184 | $ 7.2625 | $ 2.9288 | $ 5.0142 | $ 7.3926 |
| 87 | $ 3.2856 | $ 4.7334 | $ 8.1646 | $ 2.7574 | $ 4.8628 | $ 6.6542 | $ 2.6885 | $ 4.9006 | $ 9.1817 |
| 88 | $ 2.6776 | $ 4.6477 | $ 6.3963 | $ 2.6663 | $ 4.4207 | $ 5.8820 | $ 2.5802 | $ 5.6320 | $ 8.3438 |
| 89 | $ 3.0744 | $ 4.5764 | $ 6.5996 | $ 3.1567 | $ 4.4975 | $ 7.1918 | $ 2.6491 | $ 4.8597 | $ 7.0408 |
| 90 | $ 2.8551 | $ 4.0650 | $ 5.4540 | $ 2.6132 | $ 4.9899 | $ 8.5215 | $ 3.0576 | $ 4.5249 | $ 6.4343 |
| 91 | $ 2.6534 | $ 4.7500 | $ 6.4675 | $ 3.1955 | $ 5.0781 | $ 7.3483 | $ 2.8082 | $ 5.0841 | $ 9.0066 |
| 92 | $ 2.6124 | $ 4.8056 | $ 6.9969 | $ 2.9662 | $ 4.7283 | $ 7.8846 | $ 2.5190 | $ 4.3454 | $ 6.1595 |
| 93 | $ 2.9773 | $ 4.5438 | $ 5.9206 | $ 2.7589 | $ 3.8245 | $ 5.9288 | $ 2.5681 | $ 5.2367 | $ 8.8710 |
| 94 | $ 3.8570 | $ 5.1468 | $ 7.2697 | $ 2.8641 | $ 5.2700 | $ 8.6904 | $ 3.4960 | $ 5.2844 | $ 8.8010 |
| 95 | $ 2.6124 | $ 4.5457 | $ 6.9205 | $ 3.7236 | $ 5.2439 | $ 7.7587 | $ 3.0294 | $ 5.3667 | $ 8.7924 |
| 96 | $ 3.4064 | $ 5.2871 | $ 7.2153 | $ 3.1721 | $ 5.1187 | $ 7.0939 | $ 2.6510 | $ 4.4529 | $ 5.9884 |
| 97 | $ 3.4727 | $ 4.8932 | $ 6.4993 | $ 3.2854 | $ 4.9748 | $ 6.6866 | $ 3.1339 | $ 5.0346 | $ 7.3229 |
| 98 | $ 2.6873 | $ 5.0132 | $ 6.9590 | $ 2.5853 | $ 4.9380 | $ 7.2692 | $ 3.1616 | $ 4.7836 | $ 8.0631 |
| 99 | $ 3.0592 | $ 4.5155 | $ 5.7185 | $ 3.2641 | $ 5.4775 | $ 7.7692 | $ 2.6231 | $ 4.7853 | $ 9.0029 |
| 100 | $ 2.6811 | $ 4.3930 | $ 7.1244 | $ 3.4130 | $ 4.5675 | $ 6.9527 | $ 2.8727 | $ 5.1287 | $ 6.4762 |

| | 2026 | | | 2027 | | | 2028 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 3.1289 | $ 5.4692 | $ 7.2268 | $ 2.7589 | $ 4.7168 | $ 7.8467 | $ 3.5321 | $ 5.2472 | $ 7.2217 |
| 102 | $ 3.2594 | $ 4.4171 | $ 5.8832 | $ 2.6650 | $ 5.0450 | $ 7.2251 | $ 2.9942 | $ 5.3048 | $ 8.0006 |
| 103 | $ 2.7940 | $ 4.6607 | $ 7.2934 | $ 2.5918 | $ 4.3162 | $ 6.7846 | $ 2.7636 | $ 4.7738 | $ 6.9534 |
| 104 | $ 3.2145 | $ 4.7254 | $ 6.5503 | $ 3.7669 | $ 4.6234 | $ 5.7486 | $ 2.6338 | $ 5.1595 | $ 8.8327 |
| 105 | $ 4.0581 | $ 5.7810 | $ 7.6455 | $ 3.2011 | $ 5.7049 | $ 8.5204 | $ 3.6336 | $ 5.2427 | $ 7.5460 |
| 106 | $ 2.7927 | $ 4.8661 | $ 7.6735 | $ 2.7589 | $ 4.2791 | $ 7.1760 | $ 3.6724 | $ 5.5535 | $ 7.1590 |
| 107 | $ 2.5419 | $ 4.7446 | $ 7.7476 | $ 3.1311 | $ 4.5607 | $ 7.6527 | $ 3.6961 | $ 5.7559 | $ 9.1305 |
| 108 | $ 2.7727 | $ 4.4535 | $ 7.1608 | $ 2.7574 | $ 4.9303 | $ 8.3539 | $ 3.4472 | $ 5.1054 | $ 8.0323 |
| 109 | $ 3.0262 | $ 4.7402 | $ 7.8304 | $ 2.7744 | $ 4.4728 | $ 5.9424 | $ 2.5681 | $ 5.0080 | $ 8.3566 |
| 110 | $ 2.6350 | $ 4.4935 | $ 8.4456 | $ 3.2333 | $ 4.9010 | $ 8.6265 | $ 2.9065 | $ 4.8630 | $ 8.6930 |
| 111 | $ 2.5419 | $ 4.8476 | $ 7.7143 | $ 2.7761 | $ 4.6616 | $ 5.9690 | $ 3.1279 | $ 4.9789 | $ 7.7298 |
| 112 | $ 2.6287 | $ 4.4937 | $ 7.5761 | $ 2.8502 | $ 4.6778 | $ 8.4025 | $ 2.9483 | $ 5.0490 | $ 7.1001 |
| 113 | $ 2.7940 | $ 4.8627 | $ 7.7237 | $ 2.6132 | $ 4.6635 | $ 8.0462 | $ 2.7622 | $ 5.1271 | $ 7.3236 |
| 114 | $ 3.1090 | $ 4.7713 | $ 7.2154 | $ 3.1872 | $ 4.8844 | $ 7.4314 | $ 3.0110 | $ 5.3896 | $ 8.2979 |
| 115 | $ 2.6124 | $ 4.7265 | $ 6.8736 | $ 2.9461 | $ 4.5250 | $ 6.8411 | $ 3.1955 | $ 5.4824 | $ 7.1722 |
| 116 | $ 2.6873 | $ 4.0074 | $ 5.2958 | $ 3.2750 | $ 4.8249 | $ 6.3318 | $ 2.9707 | $ 5.4303 | $ 9.0066 |
| 117 | $ 3.3963 | $ 4.8687 | $ 6.2488 | $ 3.0821 | $ 4.5372 | $ 8.5251 | $ 2.8258 | $ 5.1108 | $ 7.8253 |
| 118 | $ 3.2453 | $ 4.7566 | $ 5.9024 | $ 3.1685 | $ 4.6865 | $ 6.9846 | $ 2.7954 | $ 4.8316 | $ 7.4407 |
| 119 | $ 3.2218 | $ 5.6123 | $ 8.0374 | $ 2.6700 | $ 4.7464 | $ 8.0378 | $ 2.8873 | $ 5.4974 | $ 9.0686 |
| 120 | $ 2.8902 | $ 4.2003 | $ 6.3242 | $ 3.4583 | $ 5.5575 | $ 8.4957 | $ 3.0392 | $ 4.9982 | $ 7.0834 |
| 121 | $ 3.3463 | $ 4.4813 | $ 5.5928 | $ 3.2348 | $ 5.1745 | $ 7.2160 | $ 2.7622 | $ 4.6135 | $ 6.8484 |
| 122 | $ 2.7940 | $ 4.2994 | $ 6.4707 | $ 2.6801 | $ 4.7834 | $ 7.8341 | $ 3.3679 | $ 5.3237 | $ 9.4141 |
| 123 | $ 2.8374 | $ 4.6736 | $ 8.1062 | $ 2.9182 | $ 4.4762 | $ 6.6010 | $ 2.7633 | $ 4.6897 | $ 7.3889 |
| 124 | $ 2.9736 | $ 5.2387 | $ 8.0564 | $ 3.3073 | $ 4.9314 | $ 6.9470 | $ 3.0920 | $ 5.0533 | $ 9.1077 |
| 125 | $ 2.7856 | $ 4.7416 | $ 8.2199 | $ 3.1317 | $ 4.7394 | $ 8.6265 | $ 2.5865 | $ 3.5164 | $ 5.3751 |
| 126 | $ 2.8287 | $ 4.1963 | $ 6.1212 | $ 2.5322 | $ 5.1232 | $ 7.2835 | $ 3.8719 | $ 5.9367 | $ 9.0686 |
| 127 | $ 2.8792 | $ 4.3934 | $ 6.6244 | $ 3.0154 | $ 5.2719 | $ 7.1839 | $ 2.9580 | $ 5.0781 | $ 8.2127 |
| 128 | $ 3.0614 | $ 4.6454 | $ 8.0575 | $ 3.3364 | $ 5.6570 | $ 8.4957 | $ 4.0603 | $ 5.3661 | $ 7.2266 |
| 129 | $ 2.6014 | $ 4.4505 | $ 8.0619 | $ 3.0001 | $ 4.7369 | $ 6.4044 | $ 3.3977 | $ 5.0849 | $ 7.9463 |
| 130 | $ 2.6014 | $ 4.7388 | $ 5.7267 | $ 3.1375 | $ 4.7858 | $ 6.3873 | $ 2.8172 | $ 5.4720 | $ 9.0029 |
| 131 | $ 2.7782 | $ 4.9093 | $ 6.4643 | $ 2.9094 | $ 5.0523 | $ 7.3079 | $ 2.7964 | $ 5.6104 | $ 7.4521 |
| 132 | $ 3.1629 | $ 4.5347 | $ 7.0147 | $ 2.5145 | $ 5.1323 | $ 8.5260 | $ 3.1634 | $ 5.4051 | $ 9.0066 |
| 133 | $ 2.6124 | $ 4.4195 | $ 6.3237 | $ 2.7314 | $ 4.8389 | $ 8.4957 | $ 2.9860 | $ 4.8206 | $ 6.6502 |
| 134 | $ 2.8902 | $ 4.5484 | $ 8.2199 | $ 2.9874 | $ 4.6007 | $ 6.5925 | $ 2.7636 | $ 4.6184 | $ 7.4773 |
| 135 | $ 2.6287 | $ 4.8287 | $ 7.2393 | $ 3.6890 | $ 4.9689 | $ 7.0576 | $ 3.1170 | $ 4.9658 | $ 7.4115 |
| 136 | $ 3.3656 | $ 4.5815 | $ 5.8056 | $ 3.3093 | $ 5.2867 | $ 7.8883 | $ 2.8945 | $ 4.8910 | $ 7.1468 |
| 137 | $ 2.8076 | $ 5.2963 | $ 8.0374 | $ 3.1480 | $ 4.2071 | $ 6.3747 | $ 3.3992 | $ 4.7331 | $ 5.6813 |
| 138 | $ 3.4097 | $ 4.3785 | $ 5.3994 | $ 3.1542 | $ 4.8729 | $ 8.5260 | $ 3.5376 | $ 5.0059 | $ 9.1077 |
| 139 | $ 2.6751 | $ 4.8350 | $ 8.0374 | $ 2.5145 | $ 5.0362 | $ 7.3480 | $ 3.7518 | $ 4.6628 | $ 6.1077 |
| 140 | $ 2.8050 | $ 4.4913 | $ 6.6414 | $ 3.0785 | $ 4.8751 | $ 6.8779 | $ 2.6885 | $ 4.7310 | $ 7.2944 |
| 141 | $ 3.3796 | $ 4.8080 | $ 6.3277 | $ 3.3080 | $ 4.7416 | $ 5.4017 | $ 3.7243 | $ 5.2969 | $ 9.0066 |
| 142 | $ 2.7776 | $ 4.7055 | $ 7.5919 | $ 2.7428 | $ 4.7152 | $ 8.6904 | $ 3.3933 | $ 5.2409 | $ 9.4141 |
| 143 | $ 2.6435 | $ 4.3453 | $ 6.2803 | $ 2.5189 | $ 4.2371 | $ 6.0418 | $ 3.0359 | $ 5.1322 | $ 6.6230 |
| 144 | $ 2.6480 | $ 3.8257 | $ 5.5403 | $ 2.6712 | $ 5.7273 | $ 8.6348 | $ 2.8487 | $ 4.9588 | $ 7.3323 |
| 145 | $ 3.2191 | $ 5.2717 | $ 8.2199 | $ 3.5377 | $ 5.2324 | $ 7.6635 | $ 2.6231 | $ 4.3447 | $ 5.9260 |
| 146 | $ 2.7727 | $ 4.0185 | $ 6.9092 | $ 2.5145 | $ 4.7856 | $ 8.3130 | $ 3.3415 | $ 4.9713 | $ 7.0716 |
| 147 | $ 3.1856 | $ 4.9369 | $ 7.7040 | $ 2.7574 | $ 4.4304 | $ 6.4922 | $ 3.7643 | $ 4.7228 | $ 7.2709 |
| 148 | $ 2.7487 | $ 4.2481 | $ 6.3126 | $ 3.2477 | $ 4.8256 | $ 8.0110 | $ 3.1191 | $ 5.1017 | $ 7.9308 |
| 149 | $ 3.0768 | $ 4.7846 | $ 6.6944 | $ 3.4878 | $ 4.8300 | $ 7.3129 | $ 2.9460 | $ 4.6338 | $ 8.5551 |
| 150 | $ 2.8912 | $ 4.3318 | $ 6.2449 | $ 2.8121 | $ 4.7572 | $ 7.8706 | $ 4.0653 | $ 5.4319 | $ 7.8141 |

| | 2026 | | | 2027 | | | 2028 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 2.8050 | $ 5.1376 | $ 8.2199 | $ 3.1675 | $ 5.2985 | $ 8.1446 | $ 3.6931 | $ 4.9957 | $ 7.4391 |
| 152 | $ 3.4551 | $ 5.7192 | $ 8.1646 | $ 3.4797 | $ 5.1963 | $ 8.5758 | $ 3.4070 | $ 4.5540 | $ 5.9512 |
| 153 | $ 2.9696 | $ 4.9728 | $ 8.0652 | $ 2.6991 | $ 5.0387 | $ 8.0128 | $ 2.8171 | $ 4.5126 | $ 6.2290 |
| 154 | $ 2.6772 | $ 4.1941 | $ 5.3815 | $ 3.0553 | $ 4.7930 | $ 8.5260 | $ 3.4602 | $ 5.1475 | $ 7.0594 |
| 155 | $ 3.4419 | $ 5.2323 | $ 6.0835 | $ 2.8225 | $ 5.4013 | $ 7.8514 | $ 3.6787 | $ 5.7129 | $ 8.3884 |
| 156 | $ 3.7633 | $ 5.0911 | $ 7.0338 | $ 3.1476 | $ 5.0274 | $ 8.3364 | $ 3.1833 | $ 6.0756 | $ 8.8327 |
| 157 | $ 2.5419 | $ 4.3888 | $ 6.7792 | $ 2.9766 | $ 4.4935 | $ 7.0044 | $ 3.8300 | $ 5.8649 | $ 8.8023 |
| 158 | $ 2.6287 | $ 4.3454 | $ 6.6009 | $ 3.1891 | $ 4.9588 | $ 6.9616 | $ 2.9950 | $ 5.3168 | $ 8.8260 |
| 159 | $ 3.3698 | $ 4.7292 | $ 7.2758 | $ 2.9703 | $ 4.4153 | $ 7.3624 | $ 3.7251 | $ 5.5028 | $ 7.7886 |
| 160 | $ 2.8902 | $ 4.9396 | $ 6.4435 | $ 3.4362 | $ 5.1234 | $ 7.6565 | $ 2.6231 | $ 4.9781 | $ 8.9911 |
| 161 | $ 3.1513 | $ 4.6544 | $ 6.5385 | $ 2.9391 | $ 4.5081 | $ 5.8400 | $ 2.5190 | $ 4.7241 | $ 6.6642 |
| 162 | $ 3.1699 | $ 4.4294 | $ 7.9054 | $ 2.6035 | $ 4.1155 | $ 5.9246 | $ 2.8172 | $ 5.1646 | $ 7.8724 |
| 163 | $ 2.6873 | $ 5.1626 | $ 7.3970 | $ 2.8225 | $ 5.0359 | $ 7.3799 | $ 2.8276 | $ 5.3864 | $ 9.4141 |
| 164 | $ 3.1325 | $ 5.1690 | $ 8.1062 | $ 2.5576 | $ 5.0336 | $ 6.6877 | $ 3.4026 | $ 5.3044 | $ 6.7689 |
| 165 | $ 2.9628 | $ 5.3643 | $ 8.4456 | $ 2.8225 | $ 4.8609 | $ 8.5665 | $ 3.8415 | $ 5.5026 | $ 8.6633 |
| 166 | $ 2.6791 | $ 4.9311 | $ 6.8808 | $ 3.2280 | $ 5.4149 | $ 8.2072 | $ 3.2711 | $ 4.8989 | $ 7.8751 |
| 167 | $ 3.1520 | $ 4.6830 | $ 6.4005 | $ 2.6185 | $ 4.5067 | $ 7.4713 | $ 2.5802 | $ 4.6478 | $ 6.9758 |
| 168 | $ 3.3130 | $ 4.4376 | $ 5.7129 | $ 3.6736 | $ 5.0191 | $ 7.5425 | $ 2.8480 | $ 4.7163 | $ 7.5115 |
| 169 | $ 2.6435 | $ 4.7094 | $ 6.9899 | $ 2.7574 | $ 4.4274 | $ 7.2367 | $ 3.8315 | $ 5.1185 | $ 6.7721 |
| 170 | $ 3.1120 | $ 4.3244 | $ 5.6745 | $ 3.6537 | $ 5.5195 | $ 8.5034 | $ 2.8172 | $ 4.8464 | $ 7.1773 |
| 171 | $ 3.9363 | $ 5.3104 | $ 7.4629 | $ 3.7433 | $ 5.4361 | $ 8.2820 | $ 2.7622 | $ 4.7506 | $ 7.6903 |
| 172 | $ 2.6014 | $ 4.1861 | $ 6.5018 | $ 2.7985 | $ 4.7952 | $ 7.1332 | $ 3.0146 | $ 5.2501 | $ 7.7387 |
| 173 | $ 3.1888 | $ 4.4488 | $ 5.9199 | $ 3.7716 | $ 5.0317 | $ 7.3753 | $ 2.6956 | $ 5.2719 | $ 8.9860 |
| 174 | $ 3.2009 | $ 4.7844 | $ 6.7756 | $ 3.7869 | $ 5.0703 | $ 6.2866 | $ 2.6570 | $ 4.9563 | $ 9.0744 |
| 175 | $ 2.9919 | $ 4.3272 | $ 6.1122 | $ 3.1964 | $ 4.9371 | $ 7.3645 | $ 2.8526 | $ 4.6474 | $ 7.4684 |
| 176 | $ 2.7021 | $ 4.4786 | $ 6.6777 | $ 3.1161 | $ 4.8892 | $ 5.9727 | $ 4.1052 | $ 5.7022 | $ 7.9263 |
| 177 | $ 2.6640 | $ 4.2536 | $ 6.4805 | $ 3.0450 | $ 4.4970 | $ 6.6747 | $ 3.0206 | $ 4.5397 | $ 8.0358 |
| 178 | $ 2.8958 | $ 4.3931 | $ 7.4883 | $ 3.1455 | $ 5.2454 | $ 7.9935 | $ 3.3784 | $ 5.5651 | $ 8.8777 |
| 179 | $ 3.6286 | $ 4.2249 | $ 5.3999 | $ 2.9630 | $ 4.2130 | $ 7.6519 | $ 2.8331 | $ 5.1736 | $ 8.9911 |
| 180 | $ 2.5419 | $ 4.4273 | $ 7.1682 | $ 3.2120 | $ 5.0659 | $ 8.5672 | $ 3.4917 | $ 4.9345 | $ 5.9499 |
| 181 | $ 2.5419 | $ 4.7358 | $ 6.5387 | $ 2.8335 | $ 4.4838 | $ 6.1445 | $ 2.7073 | $ 4.3666 | $ 6.1068 |
| 182 | $ 3.4086 | $ 4.9681 | $ 6.1872 | $ 2.5145 | $ 5.0339 | $ 8.6265 | $ 2.5710 | $ 5.2708 | $ 7.7385 |
| 183 | $ 2.8902 | $ 4.8062 | $ 7.8401 | $ 2.5853 | $ 5.0266 | $ 7.8112 | $ 2.6885 | $ 4.8240 | $ 8.8327 |
| 184 | $ 2.8287 | $ 4.4754 | $ 6.9051 | $ 3.4397 | $ 4.9122 | $ 7.2690 | $ 3.2200 | $ 5.0302 | $ 8.4291 |
| 185 | $ 2.8566 | $ 4.1705 | $ 6.7253 | $ 2.7668 | $ 4.2815 | $ 6.7016 | $ 3.2958 | $ 4.7992 | $ 6.1851 |
| 186 | $ 3.0732 | $ 4.5972 | $ 8.0619 | $ 2.9193 | $ 4.5021 | $ 6.7108 | $ 2.6231 | $ 4.5314 | $ 7.7241 |
| 187 | $ 3.1642 | $ 4.4366 | $ 5.7163 | $ 2.5576 | $ 4.5726 | $ 8.5215 | $ 3.3820 | $ 5.5508 | $ 9.1305 |
| 188 | $ 3.0747 | $ 4.8360 | $ 7.1004 | $ 4.0660 | $ 5.4947 | $ 8.9252 | $ 2.7632 | $ 4.5856 | $ 7.8932 |
| 189 | $ 2.9605 | $ 4.2086 | $ 5.4905 | $ 2.8641 | $ 4.8170 | $ 6.8673 | $ 2.9659 | $ 4.0276 | $ 4.8216 |
| 190 | $ 2.6287 | $ 5.1788 | $ 7.2127 | $ 3.1971 | $ 4.7189 | $ 7.3006 | $ 2.8477 | $ 5.3388 | $ 8.4193 |
| 191 | $ 2.5419 | $ 4.9334 | $ 7.0740 | $ 2.6282 | $ 5.4490 | $ 8.4957 | $ 3.0322 | $ 5.1425 | $ 8.3826 |
| 192 | $ 2.8579 | $ 4.2574 | $ 6.3324 | $ 2.7032 | $ 4.4945 | $ 6.6358 | $ 2.7731 | $ 4.5977 | $ 7.3802 |
| 193 | $ 2.6014 | $ 4.3874 | $ 7.1672 | $ 2.7574 | $ 4.5106 | $ 8.4006 | $ 2.5681 | $ 4.9269 | $ 8.1284 |
| 194 | $ 2.8042 | $ 4.8022 | $ 8.0786 | $ 2.9198 | $ 4.9545 | $ 7.8616 | $ 2.7638 | $ 4.8660 | $ 8.6146 |
| 195 | $ 2.8472 | $ 4.7296 | $ 6.7754 | $ 3.2688 | $ 5.1882 | $ 6.8807 | $ 3.4488 | $ 4.4377 | $ 5.3175 |
| 196 | $ 3.4495 | $ 5.7641 | $ 7.9925 | $ 3.7267 | $ 5.4989 | $ 7.7323 | $ 3.5274 | $ 5.2791 | $ 9.1817 |
| 197 | $ 2.9245 | $ 4.9603 | $ 7.1663 | $ 2.6851 | $ 5.5754 | $ 8.7451 | $ 3.4935 | $ 5.5221 | $ 9.0635 |
| 198 | $ 3.0759 | $ 5.2019 | $ 7.4442 | $ 3.2102 | $ 5.0533 | $ 6.8139 | $ 3.5979 | $ 5.0548 | $ 7.2263 |
| 199 | $ 3.2842 | $ 4.1946 | $ 5.9597 | $ 2.6282 | $ 4.2025 | $ 6.3431 | $ 3.4488 | $ 4.7728 | $ 6.3841 |
| 200 | $ 2.6769 | $ 4.7093 | $ 5.7965 | $ 3.0015 | $ 4.5437 | $ 6.6633 | $ 2.7636 | $ 4.5633 | $ 7.4705 |
| Min | $ 2.5419 | $ 3.8257 | $ 4.9397 | $ 2.5145 | $ 3.8245 | $ 5.4017 | $ 2.5190 | $ 3.5164 | $ 4.8216 |
| Average | $ 3.0129 | $ 4.7223 | $ 7.0227 | $ 3.0635 | $ 4.8960 | $ 7.4952 | $ 3.1260 | $ 5.0952 | $ 7.9106 |
| Max | $ 4.2900 | $ 5.7810 | $ 8.4456 | $ 4.0660 | $ 5.9290 | $ 8.9252 | $ 4.5586 | $ 6.0966 | $ 9.4141 |

| | 2029 | | | 2030 | | | 2031 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 2.6177 | $ 5.0581 | $ 7.0102 | $ 3.0668 | $ 5.1199 | $ 8.2373 | $ 3.0711 | $ 5.3132 | $ 7.7425 |
| 2 | $ 3.1064 | $ 5.6382 | $ 7.5272 | $ 3.1313 | $ 5.9479 | $ 9.9455 | $ 2.6696 | $ 5.6707 | $ 9.9868 |
| 3 | $ 2.7094 | $ 4.9418 | $ 6.7087 | $ 3.9931 | $ 5.6128 | $ 8.0879 | $ 3.0043 | $ 5.7145 | $ 8.4064 |
| 4 | $ 2.7726 | $ 4.6663 | $ 6.7469 | $ 2.9414 | $ 5.8561 | $ 9.1358 | $ 2.6097 | $ 5.6358 | $ 10.4390 |
| 5 | $ 2.9065 | $ 4.8599 | $ 6.1803 | $ 2.6213 | $ 4.6226 | $ 7.8495 | $ 2.7596 | $ 6.1565 | $ 8.6967 |
| 6 | $ 3.3544 | $ 5.0023 | $ 9.4841 | $ 3.4548 | $ 4.7051 | $ 6.2347 | $ 3.5870 | $ 5.3201 | $ 7.6382 |
| 7 | $ 2.6273 | $ 5.4973 | $ 8.1946 | $ 3.3435 | $ 5.0786 | $ 7.9792 | $ 3.6431 | $ 6.8978 | $ 10.8480 |
| 8 | $ 3.3567 | $ 5.0149 | $ 8.9014 | $ 3.2371 | $ 5.1718 | $ 6.6036 | $ 2.8225 | $ 5.2552 | $ 7.8457 |
| 9 | $ 2.9855 | $ 4.9148 | $ 8.7581 | $ 2.7502 | $ 5.1535 | $ 9.8936 | $ 2.5922 | $ 6.4505 | $ 10.4390 |
| 10 | $ 3.1829 | $ 5.1588 | $ 9.9159 | $ 2.6389 | $ 5.6628 | $ 9.7189 | $ 3.0722 | $ 5.6910 | $ 9.5768 |
| 11 | $ 2.9452 | $ 5.3560 | $ 7.2665 | $ 2.9632 | $ 5.4366 | $ 8.1513 | $ 3.2812 | $ 5.1505 | $ 7.2521 |
| 12 | $ 3.1191 | $ 4.9982 | $ 7.4497 | $ 3.4391 | $ 5.1587 | $ 7.8986 | $ 3.1747 | $ 6.0787 | $ 9.6964 |
| 13 | $ 2.7681 | $ 5.5373 | $ 8.6476 | $ 2.8689 | $ 5.2376 | $ 7.7658 | $ 2.7571 | $ 5.1697 | $ 8.7332 |
| 14 | $ 3.8327 | $ 6.0892 | $ 9.5609 | $ 2.7267 | $ 4.6661 | $ 7.2420 | $ 3.8632 | $ 6.4811 | $ 10.4351 |
| 15 | $ 3.2436 | $ 5.6590 | $ 7.6188 | $ 2.7008 | $ 4.6426 | $ 8.3418 | $ 3.0900 | $ 6.2418 | $ 10.4759 |
| 16 | $ 2.5315 | $ 4.4113 | $ 6.9360 | $ 3.6031 | $ 5.7371 | $ 9.6289 | $ 2.6936 | $ 5.7701 | $ 10.6655 |
| 17 | $ 3.0621 | $ 4.6549 | $ 6.4471 | $ 3.7696 | $ 5.7349 | $ 8.1701 | $ 3.6984 | $ 5.2606 | $ 7.4290 |
| 18 | $ 3.5713 | $ 4.8413 | $ 9.4841 | $ 3.2323 | $ 4.9203 | $ 7.5122 | $ 2.7596 | $ 5.8915 | $ 9.9029 |
| 19 | $ 2.9149 | $ 5.1433 | $ 8.4448 | $ 3.2560 | $ 5.9486 | $ 9.3099 | $ 2.8687 | $ 5.5086 | $ 8.6588 |
| 20 | $ 3.7950 | $ 5.3833 | $ 8.8405 | $ 3.8864 | $ 6.1043 | $ 8.7449 | $ 2.8020 | $ 5.2597 | $ 8.0899 |
| 21 | $ 3.1960 | $ 4.8841 | $ 6.2681 | $ 2.9183 | $ 5.3264 | $ 8.8248 | $ 2.7571 | $ 5.2243 | $ 10.4759 |
| 22 | $ 2.5607 | $ 4.6482 | $ 8.2328 | $ 3.3917 | $ 4.9534 | $ 7.1230 | $ 2.7982 | $ 4.8854 | $ 8.3259 |
| 23 | $ 4.0104 | $ 6.1260 | $ 7.7905 | $ 3.1809 | $ 4.9058 | $ 7.1863 | $ 3.7058 | $ 5.5869 | $ 7.5438 |
| 24 | $ 3.6033 | $ 5.0694 | $ 7.1617 | $ 3.4416 | $ 4.4991 | $ 5.7444 | $ 3.1703 | $ 6.7427 | $ 10.4759 |
| 25 | $ 3.0498 | $ 5.4404 | $ 8.1367 | $ 2.7499 | $ 5.1502 | $ 9.2595 | $ 3.7527 | $ 6.6679 | $ 10.4351 |
| 26 | $ 2.6892 | $ 5.6246 | $ 9.5301 | $ 3.3652 | $ 6.2511 | $ 9.9814 | $ 2.7450 | $ 5.7980 | $ 10.5194 |
| 27 | $ 3.1233 | $ 5.3637 | $ 8.9629 | $ 2.7603 | $ 5.5644 | $ 8.7413 | $ 3.5778 | $ 5.9270 | $ 9.2135 |
| 28 | $ 2.8148 | $ 5.1267 | $ 7.6529 | $ 3.7942 | $ 5.0542 | $ 6.3193 | $ 3.7199 | $ 5.5780 | $ 8.7682 |
| 29 | $ 2.7259 | $ 4.9041 | $ 7.5969 | $ 3.6569 | $ 5.4616 | $ 8.8657 | $ 2.8024 | $ 5.9393 | $ 8.7443 |
| 30 | $ 3.1196 | $ 4.8120 | $ 7.0894 | $ 2.9051 | $ 5.4012 | $ 9.9751 | $ 2.9071 | $ 4.9961 | $ 6.8393 |
| 31 | $ 2.7195 | $ 5.2706 | $ 8.7798 | $ 2.9286 | $ 5.6202 | $ 10.0875 | $ 3.0419 | $ 5.4494 | $ 10.5796 |
| 32 | $ 3.1363 | $ 5.4255 | $ 8.8328 | $ 2.6174 | $ 5.1199 | $ 8.2169 | $ 2.7538 | $ 5.3019 | $ 10.2099 |
| 33 | $ 3.5448 | $ 6.2896 | $ 8.7003 | $ 3.5369 | $ 6.0222 | $ 10.1367 | $ 3.1595 | $ 6.6605 | $ 9.1801 |
| 34 | $ 2.6179 | $ 5.1113 | $ 8.3447 | $ 3.8625 | $ 6.4282 | $ 8.0036 | $ 3.1715 | $ 5.9609 | $ 8.9474 |
| 35 | $ 2.6179 | $ 4.9477 | $ 8.4432 | $ 2.9962 | $ 5.0037 | $ 6.2640 | $ 2.9401 | $ 5.1903 | $ 8.4920 |
| 36 | $ 3.5791 | $ 5.3084 | $ 9.3039 | $ 3.7097 | $ 6.2792 | $ 8.1903 | $ 2.7538 | $ 4.6391 | $ 9.0733 |
| 37 | $ 3.3346 | $ 5.5812 | $ 8.1323 | $ 3.1618 | $ 4.8944 | $ 6.7157 | $ 4.1705 | $ 6.0832 | $ 10.4759 |
| 38 | $ 2.6179 | $ 5.2087 | $ 9.2520 | $ 3.0158 | $ 4.9266 | $ 7.9758 | $ 2.5228 | $ 4.6288 | $ 7.4033 |
| 39 | $ 3.6937 | $ 5.6929 | $ 8.7830 | $ 2.9129 | $ 4.9483 | $ 7.6174 | $ 2.7982 | $ 6.2519 | $ 10.5796 |
| 40 | $ 3.1439 | $ 5.7131 | $ 8.2791 | $ 3.3352 | $ 5.9400 | $ 9.4918 | $ 2.9773 | $ 5.8167 | $ 7.8480 |
| 41 | $ 2.6221 | $ 5.1507 | $ 6.8016 | $ 3.0052 | $ 4.7102 | $ 7.0320 | $ 2.9783 | $ 5.5405 | $ 10.5368 |
| 42 | $ 3.1554 | $ 4.7941 | $ 6.5661 | $ 2.7499 | $ 4.5636 | $ 8.9897 | $ 3.1437 | $ 4.9930 | $ 9.3345 |
| 43 | $ 2.7829 | $ 6.0141 | $ 9.0075 | $ 3.2879 | $ 5.2729 | $ 6.5634 | $ 2.5840 | $ 5.4114 | $ 9.5089 |
| 44 | $ 3.3045 | $ 5.6578 | $ 9.6513 | $ 3.5652 | $ 6.1271 | $ 10.0875 | $ 2.6387 | $ 5.1570 | $ 8.6563 |
| 45 | $ 3.2105 | $ 4.9618 | $ 6.9455 | $ 3.0079 | $ 4.8204 | $ 6.5803 | $ 3.1945 | $ 5.4596 | $ 10.5623 |
| 46 | $ 2.6177 | $ 5.0009 | $ 9.3032 | $ 4.1527 | $ 6.5123 | $ 10.0124 | $ 3.3251 | $ 6.0107 | $ 8.8914 |
| 47 | $ 3.5629 | $ 5.2247 | $ 6.8657 | $ 3.6979 | $ 5.6677 | $ 7.6694 | $ 2.6936 | $ 4.8392 | $ 7.1992 |
| 48 | $ 3.2648 | $ 5.9556 | $ 9.5634 | $ 4.0789 | $ 5.7874 | $ 9.9455 | $ 3.6539 | $ 5.6948 | $ 8.2675 |
| 49 | $ 2.8813 | $ 5.4852 | $ 8.7071 | $ 2.7234 | $ 4.8681 | $ 7.2103 | $ 3.6955 | $ 5.7075 | $ 10.8480 |
| 50 | $ 3.6030 | $ 5.3366 | $ 7.3397 | $ 2.8692 | $ 5.8129 | $ 8.3992 | $ 2.6947 | $ 5.7145 | $ 8.5680 |

| | 2029 | | | 2030 | | | 2031 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.9088 | $ 4.8968 | $ 8.9557 | $ 2.6174 | $ 6.0427 | $ 10.0124 | $ 2.8551 | $ 5.2501 | $ 10.0455 |
| 52 | $ 2.6892 | $ 5.2171 | $ 8.4415 | $ 3.3732 | $ 5.1957 | $ 8.5364 | $ 3.8006 | $ 5.7580 | $ 8.7938 |
| 53 | $ 2.6177 | $ 5.2731 | $ 7.8601 | $ 2.9613 | $ 5.0404 | $ 9.8989 | $ 3.7120 | $ 6.4332 | $ 10.2445 |
| 54 | $ 3.3441 | $ 4.9179 | $ 7.7624 | $ 3.1816 | $ 5.7420 | $ 9.7114 | $ 3.0407 | $ 5.5277 | $ 10.8480 |
| 55 | $ 3.1897 | $ 5.9388 | $ 9.5099 | $ 3.9339 | $ 6.0982 | $ 10.3711 | $ 3.3719 | $ 5.3605 | $ 8.2067 |
| 56 | $ 3.1178 | $ 4.7535 | $ 6.2303 | $ 3.4515 | $ 5.8708 | $ 10.3711 | $ 4.0678 | $ 6.3311 | $ 10.4410 |
| 57 | $ 3.0502 | $ 4.9866 | $ 9.5729 | $ 2.9182 | $ 4.3858 | $ 5.8099 | $ 2.7571 | $ 4.7698 | $ 10.5623 |
| 58 | $ 2.8880 | $ 5.0888 | $ 8.6577 | $ 2.7058 | $ 5.9412 | $ 10.2975 | $ 2.9683 | $ 6.1832 | $ 9.2790 |
| 59 | $ 2.5315 | $ 4.7973 | $ 7.2581 | $ 2.6965 | $ 4.9520 | $ 9.0070 | $ 2.7982 | $ 4.8033 | $ 7.0298 |
| 60 | $ 3.0182 | $ 5.8422 | $ 9.3968 | $ 2.8777 | $ 6.5611 | $ 9.9814 | $ 3.0132 | $ 5.4845 | $ 10.5623 |
| 61 | $ 2.6177 | $ 4.2363 | $ 5.8989 | $ 3.4140 | $ 5.7602 | $ 9.3931 | $ 2.9557 | $ 5.3700 | $ 7.2910 |
| 62 | $ 2.8279 | $ 4.9284 | $ 9.5609 | $ 3.5168 | $ 4.8196 | $ 6.6611 | $ 2.6055 | $ 5.9845 | $ 10.4459 |
| 63 | $ 3.0248 | $ 5.4203 | $ 6.9107 | $ 2.5430 | $ 5.5183 | $ 8.1562 | $ 3.3810 | $ 5.4086 | $ 8.6575 |
| 64 | $ 2.9405 | $ 5.0486 | $ 7.4438 | $ 4.0711 | $ 6.0823 | $ 9.5978 | $ 3.0607 | $ 5.3897 | $ 9.1930 |
| 65 | $ 4.0432 | $ 5.3478 | $ 7.2125 | $ 3.3319 | $ 5.2207 | $ 7.5331 | $ 2.7538 | $ 5.3815 | $ 8.9459 |
| 66 | $ 3.0969 | $ 4.7986 | $ 9.0069 | $ 3.6256 | $ 4.8975 | $ 7.7993 | $ 2.6140 | $ 6.2675 | $ 10.5623 |
| 67 | $ 2.9088 | $ 5.6797 | $ 9.9159 | $ 2.7294 | $ 5.2232 | $ 8.1965 | $ 3.4168 | $ 5.7498 | $ 8.2364 |
| 68 | $ 3.5026 | $ 5.5709 | $ 7.8439 | $ 2.8657 | $ 6.2542 | $ 9.8299 | $ 3.2961 | $ 4.3515 | $ 7.3856 |
| 69 | $ 2.8810 | $ 5.0203 | $ 8.2424 | $ 2.9796 | $ 5.4502 | $ 8.1447 | $ 4.3246 | $ 6.0456 | $ 8.6552 |
| 70 | $ 3.0311 | $ 4.9330 | $ 7.5131 | $ 3.3791 | $ 5.9336 | $ 8.9873 | $ 3.3253 | $ 6.1278 | $ 9.4947 |
| 71 | $ 3.3824 | $ 5.2455 | $ 8.0257 | $ 3.3940 | $ 5.4932 | $ 8.0835 | $ 4.3101 | $ 6.4912 | $ 9.1652 |
| 72 | $ 2.6179 | $ 5.5583 | $ 9.4841 | $ 3.3393 | $ 5.8677 | $ 9.8359 | $ 2.6139 | $ 5.2695 | $ 9.6112 |
| 73 | $ 3.2891 | $ 6.1361 | $ 8.9736 | $ 2.6328 | $ 5.5670 | $ 8.0930 | $ 3.5166 | $ 5.9607 | $ 8.8365 |
| 74 | $ 3.2342 | $ 5.7104 | $ 9.5634 | $ 2.6145 | $ 5.4869 | $ 9.1890 | $ 2.6589 | $ 5.6163 | $ 10.4410 |
| 75 | $ 2.8912 | $ 5.3297 | $ 7.5917 | $ 2.8113 | $ 5.8097 | $ 10.0124 | $ 3.7412 | $ 6.1059 | $ 10.3721 |
| 76 | $ 3.2837 | $ 4.4537 | $ 6.3553 | $ 3.1768 | $ 5.6983 | $ 8.0833 | $ 3.1617 | $ 5.0810 | $ 6.7113 |
| 77 | $ 2.9757 | $ 5.5477 | $ 9.5634 | $ 3.5952 | $ 5.3008 | $ 9.0844 | $ 2.8242 | $ 5.2248 | $ 8.1326 |
| 78 | $ 3.2000 | $ 5.5103 | $ 9.5099 | $ 3.3127 | $ 5.1666 | $ 7.9349 | $ 2.5994 | $ 5.0360 | $ 9.1388 |
| 79 | $ 4.2927 | $ 5.8818 | $ 7.6335 | $ 3.2407 | $ 6.2073 | $ 9.7749 | $ 2.7285 | $ 5.4369 | $ 9.9291 |
| 80 | $ 2.7419 | $ 5.2567 | $ 9.5099 | $ 3.3815 | $ 5.9856 | $ 9.4589 | $ 3.4066 | $ 5.0144 | $ 8.3005 |
| 81 | $ 2.9441 | $ 5.5899 | $ 8.3039 | $ 2.5389 | $ 4.7574 | $ 6.0546 | $ 3.6631 | $ 5.1404 | $ 8.3387 |
| 82 | $ 3.6981 | $ 5.6084 | $ 7.3843 | $ 3.9707 | $ 5.2590 | $ 6.9067 | $ 2.6936 | $ 6.1583 | $ 10.5623 |
| 83 | $ 2.9518 | $ 5.0972 | $ 8.1012 | $ 2.8200 | $ 4.7788 | $ 7.2235 | $ 2.8671 | $ 6.0422 | $ 9.1251 |
| 84 | $ 2.8418 | $ 5.0623 | $ 7.1534 | $ 3.1971 | $ 5.0414 | $ 10.1367 | $ 3.3190 | $ 7.1056 | $ 10.5368 |
| 85 | $ 2.8448 | $ 5.6224 | $ 8.8780 | $ 3.1743 | $ 6.4327 | $ 9.2708 | $ 3.9496 | $ 5.6175 | $ 7.7637 |
| 86 | $ 2.9131 | $ 4.9872 | $ 8.4409 | $ 2.6226 | $ 5.0790 | $ 7.3972 | $ 4.6503 | $ 6.4718 | $ 9.3947 |
| 87 | $ 2.7726 | $ 4.4428 | $ 7.5054 | $ 4.1642 | $ 5.2097 | $ 7.1009 | $ 2.7538 | $ 5.3672 | $ 7.8485 |
| 88 | $ 2.8589 | $ 4.3906 | $ 7.5552 | $ 2.6399 | $ 5.1777 | $ 9.9455 | $ 2.8413 | $ 5.1399 | $ 8.2896 |
| 89 | $ 3.9581 | $ 6.0386 | $ 9.1941 | $ 2.8051 | $ 5.0598 | $ 7.6001 | $ 3.0902 | $ 4.4453 | $ 10.4390 |
| 90 | $ 2.8805 | $ 4.5933 | $ 6.2560 | $ 3.6293 | $ 4.7964 | $ 8.0608 | $ 5.1199 | $ 6.5823 | $ 9.9569 |
| 91 | $ 3.4217 | $ 4.9790 | $ 7.1649 | $ 4.0315 | $ 5.3033 | $ 7.0388 | $ 2.8024 | $ 5.1815 | $ 9.4902 |
| 92 | $ 2.7726 | $ 4.1894 | $ 6.8975 | $ 3.2995 | $ 5.3730 | $ 6.8534 | $ 3.7354 | $ 5.4232 | $ 9.5053 |
| 93 | $ 3.0142 | $ 4.8761 | $ 7.9863 | $ 3.4110 | $ 5.4282 | $ 10.0667 | $ 2.8407 | $ 5.1293 | $ 6.7863 |
| 94 | $ 2.6273 | $ 4.6493 | $ 7.5102 | $ 3.5573 | $ 6.3533 | $ 10.0875 | $ 2.5922 | $ 4.8275 | $ 6.0438 |
| 95 | $ 3.5089 | $ 4.9783 | $ 7.9776 | $ 2.9260 | $ 5.2858 | $ 6.4818 | $ 2.8165 | $ 5.3378 | $ 9.5556 |
| 96 | $ 2.7817 | $ 5.5100 | $ 7.7551 | $ 2.6145 | $ 5.0477 | $ 7.9198 | $ 3.0179 | $ 5.0938 | $ 6.9898 |
| 97 | $ 2.6177 | $ 3.8284 | $ 5.4851 | $ 2.8808 | $ 4.2940 | $ 6.7066 | $ 4.1946 | $ 5.5206 | $ 7.0184 |
| 98 | $ 2.8148 | $ 4.5166 | $ 6.4680 | $ 2.7502 | $ 5.1981 | $ 8.3623 | $ 2.8483 | $ 5.8653 | $ 9.1949 |
| 99 | $ 2.7829 | $ 5.4905 | $ 8.3763 | $ 3.5839 | $ 5.1305 | $ 7.1921 | $ 3.1028 | $ 5.8054 | $ 9.0213 |
| 100 | $ 3.2459 | $ 4.3523 | $ 6.5109 | $ 3.4157 | $ 5.0570 | $ 7.2811 | $ 3.8228 | $ 6.5343 | $ 10.4390 |

| | 2029 | | | 2030 | | | 2031 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 2.9124 | $ 5.5850 | $ 9.4915 | $ 3.1959 | $ 5.4314 | $ 9.2577 | $ 3.6946 | $ 5.8885 | $ 8.3793 |
| 102 | $ 2.8820 | $ 4.5398 | $ 6.6185 | $ 3.6750 | $ 5.2812 | $ 7.8161 | $ 2.8770 | $ 5.4794 | $ 9.5429 |
| 103 | $ 2.9200 | $ 5.2548 | $ 7.4119 | $ 3.9931 | $ 5.6656 | $ 9.3462 | $ 3.3707 | $ 5.4623 | $ 9.0907 |
| 104 | $ 3.8221 | $ 6.0132 | $ 9.5634 | $ 2.7502 | $ 6.1151 | $ 9.9616 | $ 3.1721 | $ 4.5271 | $ 6.0895 |
| 105 | $ 2.6177 | $ 5.4889 | $ 9.5301 | $ 3.4529 | $ 6.2535 | $ 9.9455 | $ 3.6720 | $ 5.5107 | $ 8.9280 |
| 106 | $ 2.7829 | $ 5.1261 | $ 7.2509 | $ 3.5038 | $ 5.1303 | $ 6.9090 | $ 3.7573 | $ 5.8533 | $ 9.6145 |
| 107 | $ 3.3610 | $ 5.4272 | $ 8.6773 | $ 2.5389 | $ 5.1382 | $ 8.7447 | $ 2.7538 | $ 5.4869 | $ 10.2925 |
| 108 | $ 3.9282 | $ 5.5142 | $ 7.3718 | $ 2.7825 | $ 4.4927 | $ 6.2754 | $ 2.9550 | $ 5.2411 | $ 7.6614 |
| 109 | $ 3.4331 | $ 4.5275 | $ 6.3580 | $ 3.2226 | $ 5.5345 | $ 7.5412 | $ 2.9659 | $ 5.2688 | $ 9.0624 |
| 110 | $ 3.9711 | $ 6.0043 | $ 9.5119 | $ 3.2658 | $ 5.6037 | $ 9.2586 | $ 3.7943 | $ 5.8055 | $ 8.6845 |
| 111 | $ 3.1528 | $ 4.7212 | $ 6.2274 | $ 2.7331 | $ 5.0967 | $ 7.7803 | $ 2.5228 | $ 5.9235 | $ 8.9703 |
| 112 | $ 2.8297 | $ 5.0652 | $ 8.6371 | $ 3.0950 | $ 5.6291 | $ 10.0124 | $ 4.3234 | $ 5.9949 | $ 8.5206 |
| 113 | $ 2.6273 | $ 4.9952 | $ 7.4253 | $ 2.8868 | $ 5.3420 | $ 7.2996 | $ 3.7056 | $ 5.8655 | $ 10.5194 |
| 114 | $ 2.6179 | $ 5.3002 | $ 8.9512 | $ 2.8113 | $ 4.7624 | $ 7.7671 | $ 2.8024 | $ 5.7676 | $ 10.5623 |
| 115 | $ 2.7817 | $ 5.0767 | $ 6.8672 | $ 2.8200 | $ 4.7936 | $ 7.6197 | $ 4.1833 | $ 5.9406 | $ 10.5368 |
| 116 | $ 2.8810 | $ 5.1228 | $ 8.4374 | $ 2.7499 | $ 5.8332 | $ 9.6589 | $ 3.4625 | $ 6.5434 | $ 10.5368 |
| 117 | $ 2.7053 | $ 5.4806 | $ 7.8146 | $ 3.2082 | $ 5.1733 | $ 10.0667 | $ 3.9277 | $ 5.1025 | $ 7.3987 |
| 118 | $ 2.8382 | $ 5.0673 | $ 9.5099 | $ 2.8113 | $ 4.6471 | $ 8.3058 | $ 3.1862 | $ 5.4341 | $ 8.3849 |
| 119 | $ 3.8605 | $ 5.5772 | $ 9.6204 | $ 2.7093 | $ 5.2333 | $ 9.0019 | $ 2.5228 | $ 4.5438 | $ 7.8826 |
| 120 | $ 3.5049 | $ 5.2398 | $ 9.5099 | $ 3.7696 | $ 6.3369 | $ 10.1367 | $ 3.6684 | $ 5.7932 | $ 10.4351 |
| 121 | $ 2.7726 | $ 5.1207 | $ 9.3263 | $ 2.6638 | $ 4.5964 | $ 6.9831 | $ 2.8223 | $ 4.3856 | $ 7.1879 |
| 122 | $ 2.7817 | $ 5.1053 | $ 7.0787 | $ 3.6838 | $ 5.5239 | $ 9.9608 | $ 3.1768 | $ 5.1266 | $ 8.9563 |
| 123 | $ 2.8728 | $ 5.0477 | $ 7.7156 | $ 3.1467 | $ 6.1159 | $ 9.7166 | $ 3.4110 | $ 5.0556 | $ 7.4422 |
| 124 | $ 3.5534 | $ 5.1861 | $ 7.9056 | $ 3.4037 | $ 5.3475 | $ 8.7540 | $ 3.2645 | $ 6.1711 | $ 8.6204 |
| 125 | $ 4.0010 | $ 6.4791 | $ 8.9458 | $ 3.1124 | $ 4.8064 | $ 6.7393 | $ 2.8407 | $ 5.9179 | $ 10.5194 |
| 126 | $ 2.8418 | $ 5.2505 | $ 8.1062 | $ 3.0635 | $ 5.0061 | $ 8.2774 | $ 4.4122 | $ 6.9974 | $ 10.3514 |
| 127 | $ 2.7607 | $ 5.7610 | $ 9.6513 | $ 3.2675 | $ 4.7129 | $ 6.9308 | $ 3.5101 | $ 5.4242 | $ 9.2953 |
| 128 | $ 2.5529 | $ 5.6045 | $ 8.8238 | $ 3.5008 | $ 6.0643 | $ 9.9455 | $ 3.5166 | $ 6.1362 | $ 9.9114 |
| 129 | $ 3.2407 | $ 5.2372 | $ 7.2950 | $ 2.7499 | $ 4.9839 | $ 8.4623 | $ 2.7604 | $ 5.0263 | $ 8.2277 |
| 130 | $ 3.4662 | $ 5.8526 | $ 8.6573 | $ 3.0630 | $ 5.3477 | $ 7.8064 | $ 3.4894 | $ 5.8831 | $ 8.8242 |
| 131 | $ 2.7074 | $ 5.5272 | $ 8.3738 | $ 3.5595 | $ 5.0645 | $ 7.2374 | $ 2.6936 | $ 5.9196 | $ 10.5194 |
| 132 | $ 2.6179 | $ 4.7639 | $ 8.4536 | $ 3.6184 | $ 5.1328 | $ 9.7499 | $ 2.7596 | $ 5.2339 | $ 7.1412 |
| 133 | $ 2.7726 | $ 4.3595 | $ 7.5755 | $ 2.9010 | $ 5.7676 | $ 10.3711 | $ 3.4098 | $ 5.9329 | $ 9.1501 |
| 134 | $ 4.0644 | $ 5.2158 | $ 7.1143 | $ 3.5766 | $ 5.3679 | $ 7.6231 | $ 2.8219 | $ 4.6892 | $ 7.1488 |
| 135 | $ 3.5020 | $ 6.3293 | $ 9.5634 | $ 2.8463 | $ 5.5457 | $ 9.5222 | $ 4.1242 | $ 6.6299 | $ 10.8480 |
| 136 | $ 2.6179 | $ 4.8307 | $ 9.4841 | $ 3.3298 | $ 5.6499 | $ 8.1122 | $ 3.5005 | $ 5.7920 | $ 8.5699 |
| 137 | $ 2.8468 | $ 4.7977 | $ 7.2255 | $ 4.0947 | $ 6.4194 | $ 10.3711 | $ 4.1156 | $ 5.8583 | $ 10.4759 |
| 138 | $ 3.9674 | $ 5.3277 | $ 6.6306 | $ 2.6669 | $ 5.2884 | $ 8.0877 | $ 3.0513 | $ 6.6228 | $ 9.8991 |
| 139 | $ 3.5019 | $ 5.4050 | $ 8.1099 | $ 3.8319 | $ 5.2661 | $ 8.6918 | $ 2.7130 | $ 6.5677 | $ 10.5224 |
| 140 | $ 3.0129 | $ 4.5134 | $ 8.4736 | $ 3.3501 | $ 6.1765 | $ 9.7360 | $ 3.1691 | $ 5.9494 | $ 9.9587 |
| 141 | $ 3.4160 | $ 6.1207 | $ 9.5634 | $ 3.1166 | $ 5.0856 | $ 7.5235 | $ 3.1135 | $ 5.2882 | $ 8.2265 |
| 142 | $ 3.4119 | $ 5.4639 | $ 7.8672 | $ 2.8200 | $ 4.5798 | $ 6.7087 | $ 2.5840 | $ 6.1467 | $ 10.4351 |
| 143 | $ 2.8119 | $ 4.4799 | $ 8.8836 | $ 3.0047 | $ 5.1202 | $ 8.0874 | $ 2.5922 | $ 5.4633 | $ 9.0889 |
| 144 | $ 4.2398 | $ 5.7876 | $ 7.8726 | $ 2.7165 | $ 4.7731 | $ 7.3485 | $ 3.5143 | $ 5.1979 | $ 9.5088 |
| 145 | $ 3.1019 | $ 4.9608 | $ 6.6821 | $ 2.6357 | $ 5.2068 | $ 9.0373 | $ 3.9203 | $ 5.3658 | $ 7.1800 |
| 146 | $ 2.6179 | $ 4.3944 | $ 7.9131 | $ 3.3846 | $ 5.3950 | $ 9.8698 | $ 3.2892 | $ 5.5779 | $ 8.1595 |
| 147 | $ 3.8843 | $ 5.3602 | $ 8.0786 | $ 2.7921 | $ 5.4668 | $ 8.0762 | $ 2.7538 | $ 5.2395 | $ 9.1895 |
| 148 | $ 3.7212 | $ 4.8304 | $ 6.8762 | $ 3.1240 | $ 4.9601 | $ 6.4319 | $ 3.1939 | $ 5.7115 | $ 9.7492 |
| 149 | $ 2.5315 | $ 4.5743 | $ 7.6390 | $ 3.3260 | $ 5.5609 | $ 8.4727 | $ 3.3113 | $ 4.7353 | $ 6.6062 |
| 150 | $ 3.2960 | $ 5.6926 | $ 7.6121 | $ 3.2666 | $ 5.2841 | $ 9.9608 | $ 3.7888 | $ 6.9924 | $ 10.5332 |

| | 2029 | | | 2030 | | | 2031 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 2.7423 | $ 5.0648 | $ 8.3491 | $ 2.7093 | $ 5.5878 | $ 9.9455 | $ 2.8854 | $ 4.9183 | $ 7.7772 |
| 152 | $ 3.2771 | $ 5.8203 | $ 8.9784 | $ 2.7705 | $ 5.8429 | $ 9.9751 | $ 2.9636 | $ 4.8491 | $ 8.0121 |
| 153 | $ 2.8262 | $ 5.1428 | $ 7.5358 | $ 3.9243 | $ 5.8371 | $ 10.0267 | $ 3.6004 | $ 5.1586 | $ 6.7420 |
| 154 | $ 3.2144 | $ 4.3419 | $ 5.9262 | $ 3.9570 | $ 6.4699 | $ 10.0875 | $ 2.8121 | $ 5.0524 | $ 8.9647 |
| 155 | $ 3.7902 | $ 5.4221 | $ 6.5688 | $ 3.0333 | $ 5.9109 | $ 8.1838 | $ 2.9870 | $ 5.3375 | $ 9.3423 |
| 156 | $ 2.6179 | $ 5.1369 | $ 9.3032 | $ 3.5108 | $ 5.8267 | $ 8.8242 | $ 2.7472 | $ 5.0664 | $ 7.8189 |
| 157 | $ 3.8767 | $ 5.8294 | $ 8.0307 | $ 2.7093 | $ 5.0947 | $ 8.7395 | $ 3.9250 | $ 5.4779 | $ 8.4554 |
| 158 | $ 3.8698 | $ 4.9263 | $ 5.8514 | $ 3.0261 | $ 4.5021 | $ 7.2014 | $ 3.2065 | $ 4.8507 | $ 7.3150 |
| 159 | $ 2.5529 | $ 4.6379 | $ 7.7439 | $ 2.7895 | $ 4.2789 | $ 6.2358 | $ 2.7753 | $ 5.5478 | $ 8.1590 |
| 160 | $ 2.6655 | $ 5.0029 | $ 7.9390 | $ 3.8352 | $ 6.1673 | $ 10.1117 | $ 3.2497 | $ 5.6639 | $ 8.7423 |
| 161 | $ 4.0777 | $ 6.1625 | $ 9.9159 | $ 3.5825 | $ 5.1260 | $ 8.6467 | $ 3.3006 | $ 5.0946 | $ 7.2805 |
| 162 | $ 2.8148 | $ 5.1321 | $ 7.5742 | $ 2.7093 | $ 5.0204 | $ 7.2201 | $ 3.2955 | $ 6.0507 | $ 10.5368 |
| 163 | $ 3.1467 | $ 5.7537 | $ 9.0014 | $ 2.8208 | $ 5.5717 | $ 8.9064 | $ 3.0367 | $ 5.2624 | $ 8.4356 |
| 164 | $ 2.8466 | $ 4.4040 | $ 6.1321 | $ 3.0684 | $ 6.0439 | $ 10.0267 | $ 2.8388 | $ 4.6570 | $ 6.2919 |
| 165 | $ 3.0027 | $ 5.1420 | $ 7.3491 | $ 2.5389 | $ 4.4763 | $ 7.3790 | $ 3.2749 | $ 5.4322 | $ 7.1527 |
| 166 | $ 3.1027 | $ 4.7454 | $ 7.8798 | $ 2.8200 | $ 5.7097 | $ 9.9455 | $ 3.0431 | $ 6.0757 | $ 10.0986 |
| 167 | $ 2.8810 | $ 5.3325 | $ 7.7336 | $ 2.7093 | $ 6.0825 | $ 9.5396 | $ 3.2859 | $ 5.4010 | $ 9.7864 |
| 168 | $ 2.9380 | $ 5.6974 | $ 7.7547 | $ 2.9597 | $ 4.5843 | $ 6.8643 | $ 3.2820 | $ 5.1359 | $ 7.1705 |
| 169 | $ 2.6892 | $ 5.6034 | $ 9.5099 | $ 2.6262 | $ 4.9089 | $ 8.4155 | $ 2.6331 | $ 6.3926 | $ 9.3613 |
| 170 | $ 3.0339 | $ 4.9952 | $ 8.9543 | $ 3.2580 | $ 5.5893 | $ 9.1440 | $ 3.0548 | $ 5.1971 | $ 8.5785 |
| 171 | $ 2.9515 | $ 4.7559 | $ 6.7625 | $ 2.7705 | $ 4.0520 | $ 5.9934 | $ 3.7856 | $ 5.7450 | $ 10.5368 |
| 172 | $ 3.6866 | $ 5.7959 | $ 9.5099 | $ 3.1829 | $ 5.7789 | $ 8.2532 | $ 2.7571 | $ 5.4979 | $ 9.2985 |
| 173 | $ 2.8223 | $ 5.0039 | $ 7.6640 | $ 2.6557 | $ 5.1604 | $ 10.3711 | $ 3.2919 | $ 4.8996 | $ 6.3724 |
| 174 | $ 2.7829 | $ 4.4977 | $ 6.5474 | $ 3.1153 | $ 5.8779 | $ 8.9207 | $ 3.0973 | $ 5.5219 | $ 9.2574 |
| 175 | $ 3.4771 | $ 5.5594 | $ 8.3264 | $ 2.7499 | $ 4.9573 | $ 7.7559 | $ 2.5922 | $ 5.3859 | $ 8.6325 |
| 176 | $ 3.1938 | $ 5.1229 | $ 7.2874 | $ 3.3997 | $ 5.9233 | $ 9.9455 | $ 2.8024 | $ 5.0482 | $ 8.0370 |
| 177 | $ 2.6273 | $ 5.0362 | $ 9.4841 | $ 2.6328 | $ 5.0097 | $ 7.2096 | $ 3.2461 | $ 5.2201 | $ 10.0860 |
| 178 | $ 3.1130 | $ 5.3877 | $ 9.2192 | $ 3.2303 | $ 5.2478 | $ 9.9903 | $ 2.6440 | $ 5.4294 | $ 9.7068 |
| 179 | $ 2.6883 | $ 4.5737 | $ 6.1052 | $ 2.5430 | $ 4.8684 | $ 9.3689 | $ 3.6545 | $ 6.2039 | $ 9.4295 |
| 180 | $ 2.9016 | $ 5.7528 | $ 8.7879 | $ 3.1121 | $ 5.9920 | $ 10.3711 | $ 3.0379 | $ 5.2626 | $ 10.3442 |
| 181 | $ 2.6892 | $ 5.4604 | $ 8.3505 | $ 3.8022 | $ 6.3149 | $ 9.6542 | $ 2.7571 | $ 5.5550 | $ 7.6346 |
| 182 | $ 3.6216 | $ 5.7880 | $ 8.0203 | $ 3.5686 | $ 4.6821 | $ 5.8903 | $ 2.6259 | $ 5.8938 | $ 8.5148 |
| 183 | $ 2.9992 | $ 4.6337 | $ 6.8761 | $ 2.8254 | $ 4.5284 | $ 6.3424 | $ 2.5745 | $ 4.9577 | $ 8.6367 |
| 184 | $ 3.4406 | $ 5.7818 | $ 8.4982 | $ 2.8246 | $ 5.8362 | $ 10.0124 | $ 2.7385 | $ 4.9684 | $ 9.2172 |
| 185 | $ 2.6273 | $ 5.5072 | $ 9.0950 | $ 2.7499 | $ 5.1381 | $ 7.4732 | $ 2.8354 | $ 4.5933 | $ 7.1201 |
| 186 | $ 3.4045 | $ 5.7844 | $ 8.6996 | $ 3.2309 | $ 6.1014 | $ 10.0124 | $ 2.9502 | $ 4.6458 | $ 6.9469 |
| 187 | $ 3.4641 | $ 5.6799 | $ 9.5634 | $ 3.2060 | $ 6.0254 | $ 8.8058 | $ 4.1969 | $ 5.6396 | $ 8.2529 |
| 188 | $ 2.7824 | $ 4.4726 | $ 6.6301 | $ 3.8941 | $ 5.2448 | $ 8.2872 | $ 2.5228 | $ 5.4694 | $ 8.5594 |
| 189 | $ 3.6489 | $ 5.2578 | $ 8.6767 | $ 3.5604 | $ 5.8755 | $ 10.1367 | $ 2.6416 | $ 5.4973 | $ 9.9517 |
| 190 | $ 2.8810 | $ 5.4010 | $ 8.7042 | $ 3.8150 | $ 5.8433 | $ 9.5694 | $ 3.8402 | $ 5.8836 | $ 9.1630 |
| 191 | $ 2.8609 | $ 5.5742 | $ 9.5680 | $ 2.6174 | $ 5.7372 | $ 10.3711 | $ 3.1668 | $ 5.9875 | $ 9.6834 |
| 192 | $ 3.0705 | $ 4.4472 | $ 6.5823 | $ 2.7093 | $ 5.3782 | $ 9.9814 | $ 2.9497 | $ 5.5508 | $ 9.1377 |
| 193 | $ 2.7927 | $ 4.9300 | $ 9.6141 | $ 2.9624 | $ 6.3179 | $ 10.0667 | $ 4.1931 | $ 6.1941 | $ 8.5903 |
| 194 | $ 3.3695 | $ 5.4418 | $ 9.6141 | $ 2.7705 | $ 5.4009 | $ 10.1367 | $ 3.2260 | $ 5.8687 | $ 10.4459 |
| 195 | $ 3.5487 | $ 6.1725 | $ 9.8765 | $ 2.6328 | $ 5.8913 | $ 9.7287 | $ 2.8190 | $ 5.1394 | $ 9.7144 |
| 196 | $ 2.8357 | $ 4.8874 | $ 7.1335 | $ 3.4104 | $ 6.4720 | $ 9.9455 | $ 3.1841 | $ 5.4006 | $ 10.4351 |
| 197 | $ 2.6177 | $ 4.5732 | $ 7.4767 | $ 2.8113 | $ 5.3400 | $ 9.5731 | $ 3.0607 | $ 4.9548 | $ 8.9628 |
| 198 | $ 2.8665 | $ 5.0848 | $ 7.4100 | $ 2.6145 | $ 5.7010 | $ 8.5063 | $ 2.6134 | $ 4.7652 | $ 6.6646 |
| 199 | $ 2.8810 | $ 5.3965 | $ 8.3701 | $ 3.1819 | $ 5.0600 | $ 9.0375 | $ 3.3445 | $ 5.3979 | $ 7.5937 |
| 200 | $ 2.7695 | $ 4.6785 | $ 6.9148 | $ 3.4369 | $ 4.5866 | $ 7.6275 | $ 2.7083 | $ 5.7384 | $ 10.5623 |
| Min | $ 2.5315 | $ 3.8284 | $ 5.4851 | $ 2.5389 | $ 4.0520 | $ 5.7444 | $ 2.5228 | $ 4.3515 | $ 6.0438 |
| Average | $ 3.0900 | $ 5.2116 | $ 8.0907 | $ 3.1534 | $ 5.4007 | $ 8.5563 | $ 3.1752 | $ 5.5709 | $ 8.9906 |
| Max | $ 4.2927 | $ 6.4791 | $ 9.9159 | $ 4.1642 | $ 6.5611 | $ 10.3711 | $ 5.1199 | $ 7.1056 | $ 10.8480 |

| | 2032 | | | 2033 | | | 2034 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 3.7548 | $ 5.3514 | $ 8.4551 | $ 3.5523 | $ 6.0295 | $ 8.3918 | $ 2.9660 | $ 5.2895 | $ 9.6882 |
| 2 | $ 2.7038 | $ 4.6074 | $ 7.1273 | $ 3.2853 | $ 6.2884 | $ 11.7211 | $ 3.9376 | $ 6.3599 | $ 10.8353 |
| 3 | $ 3.8805 | $ 6.2541 | $ 8.7757 | $ 3.9295 | $ 6.1077 | $ 11.3858 | $ 3.1335 | $ 6.0258 | $ 11.0304 |
| 4 | $ 2.5260 | $ 6.3025 | $ 10.9026 | $ 3.1109 | $ 5.4388 | $ 9.8915 | $ 3.0974 | $ 5.0218 | $ 7.9895 |
| 5 | $ 2.6145 | $ 6.3391 | $ 10.8954 | $ 3.2749 | $ 4.6131 | $ 8.4918 | $ 2.5890 | $ 5.8458 | $ 10.3072 |
| 6 | $ 2.9382 | $ 5.3928 | $ 9.8856 | $ 3.5221 | $ 5.7601 | $ 8.2307 | $ 3.4718 | $ 5.9462 | $ 9.4462 |
| 7 | $ 3.6672 | $ 5.3736 | $ 8.9326 | $ 3.8320 | $ 6.6322 | $ 11.4231 | $ 3.1084 | $ 5.7246 | $ 11.7579 |
| 8 | $ 3.2287 | $ 5.1886 | $ 9.2956 | $ 3.0212 | $ 6.3970 | $ 11.4402 | $ 2.4210 | $ 6.3751 | $ 10.1459 |
| 9 | $ 2.7038 | $ 5.1876 | $ 9.9634 | $ 3.4372 | $ 6.1743 | $ 11.7211 | $ 4.0206 | $ 5.0170 | $ 6.7991 |
| 10 | $ 3.2954 | $ 5.0438 | $ 8.9193 | $ 2.6438 | $ 4.9641 | $ 9.2504 | $ 2.6374 | $ 6.6604 | $ 11.9072 |
| 11 | $ 3.0318 | $ 5.2636 | $ 8.5656 | $ 3.3564 | $ 6.5843 | $ 10.5038 | $ 2.6235 | $ 6.0202 | $ 10.7152 |
| 12 | $ 3.1372 | $ 5.5197 | $ 10.2260 | $ 4.4913 | $ 6.7866 | $ 9.1892 | $ 3.7023 | $ 5.5176 | $ 7.5173 |
| 13 | $ 4.1703 | $ 6.4518 | $ 8.7981 | $ 2.4732 | $ 5.1432 | $ 7.2710 | $ 3.3319 | $ 5.6497 | $ 10.6627 |
| 14 | $ 2.9737 | $ 5.8285 | $ 10.8593 | $ 3.8937 | $ 6.4858 | $ 10.5113 | $ 3.3292 | $ 5.9050 | $ 9.3133 |
| 15 | $ 2.4384 | $ 4.1236 | $ 7.7145 | $ 4.1282 | $ 6.1417 | $ 11.3495 | $ 2.5814 | $ 4.8804 | $ 8.5935 |
| 16 | $ 2.4781 | $ 6.4318 | $ 10.9862 | $ 4.2387 | $ 5.7874 | $ 9.0223 | $ 3.2433 | $ 6.4293 | $ 12.1806 |
| 17 | $ 3.7265 | $ 7.0549 | $ 11.1957 | $ 2.5711 | $ 6.7397 | $ 11.2915 | $ 2.4225 | $ 5.6749 | $ 8.5120 |
| 18 | $ 3.1650 | $ 7.7765 | $ 11.3039 | $ 2.8854 | $ 5.4589 | $ 9.2541 | $ 2.8326 | $ 6.3967 | $ 9.8451 |
| 19 | $ 3.5844 | $ 5.5356 | $ 8.3481 | $ 2.4732 | $ 5.2073 | $ 7.7304 | $ 3.8386 | $ 5.6434 | $ 9.4231 |
| 20 | $ 3.7259 | $ 5.2863 | $ 7.0331 | $ 2.5711 | $ 5.4602 | $ 11.2103 | $ 3.1292 | $ 6.0721 | $ 11.5036 |
| 21 | $ 2.5358 | $ 5.0911 | $ 8.4804 | $ 3.4322 | $ 5.2907 | $ 6.8198 | $ 2.9879 | $ 6.5782 | $ 11.7278 |
| 22 | $ 3.4534 | $ 5.9812 | $ 9.2775 | $ 3.0999 | $ 4.7533 | $ 8.5001 | $ 2.9838 | $ 5.3156 | $ 7.3125 |
| 23 | $ 4.2802 | $ 7.2951 | $ 11.0458 | $ 4.5014 | $ 6.7052 | $ 11.1109 | $ 4.4430 | $ 6.6687 | $ 9.5303 |
| 24 | $ 2.6145 | $ 4.9175 | $ 8.7627 | $ 2.5711 | $ 6.0624 | $ 9.9227 | $ 3.6988 | $ 5.1256 | $ 8.2127 |
| 25 | $ 3.9350 | $ 6.7652 | $ 10.8514 | $ 3.0379 | $ 5.8957 | $ 9.9526 | $ 2.6405 | $ 5.3648 | $ 8.7541 |
| 26 | $ 2.9307 | $ 5.2891 | $ 7.6798 | $ 3.3503 | $ 5.7663 | $ 9.1685 | $ 3.1881 | $ 6.4256 | $ 10.0650 |
| 27 | $ 2.7648 | $ 5.4550 | $ 8.3298 | $ 4.0171 | $ 5.3192 | $ 8.4159 | $ 3.8383 | $ 5.6739 | $ 7.3398 |
| 28 | $ 2.9724 | $ 5.0044 | $ 9.9886 | $ 2.4176 | $ 5.6655 | $ 8.9701 | $ 3.5748 | $ 6.4562 | $ 10.3610 |
| 29 | $ 3.9925 | $ 6.5743 | $ 9.8764 | $ 2.7803 | $ 5.4307 | $ 9.3438 | $ 2.8320 | $ 5.1874 | $ 8.1036 |
| 30 | $ 3.8373 | $ 5.0349 | $ 8.9835 | $ 3.6582 | $ 5.8299 | $ 10.7887 | $ 3.5221 | $ 5.6619 | $ 9.1734 |
| 31 | $ 2.7109 | $ 4.4577 | $ 6.7853 | $ 2.8915 | $ 5.2250 | $ 7.8107 | $ 2.3662 | $ 5.7995 | $ 8.2359 |
| 32 | $ 2.5549 | $ 5.0897 | $ 9.9368 | $ 3.3588 | $ 5.4707 | $ 9.3487 | $ 3.1517 | $ 5.8255 | $ 11.6987 |
| 33 | $ 3.0533 | $ 4.9160 | $ 10.8731 | $ 2.8146 | $ 5.3430 | $ 11.4231 | $ 3.5619 | $ 6.7189 | $ 11.1693 |
| 34 | $ 3.7545 | $ 5.4778 | $ 8.2484 | $ 2.7356 | $ 5.6376 | $ 11.3116 | $ 3.3419 | $ 5.6223 | $ 8.5080 |
| 35 | $ 2.6759 | $ 5.0487 | $ 8.3670 | $ 2.7092 | $ 5.6788 | $ 10.7784 | $ 2.7167 | $ 5.5979 | $ 9.2763 |
| 36 | $ 3.2586 | $ 5.2543 | $ 7.2273 | $ 3.3124 | $ 5.8066 | $ 10.6257 | $ 3.7391 | $ 5.9705 | $ 10.4497 |
| 37 | $ 4.0799 | $ 5.7329 | $ 8.6908 | $ 3.1727 | $ 5.1579 | $ 8.8564 | $ 5.0802 | $ 7.2860 | $ 11.3339 |
| 38 | $ 3.3091 | $ 5.3553 | $ 7.8901 | $ 3.4608 | $ 5.4301 | $ 11.0344 | $ 2.5814 | $ 6.0229 | $ 11.3574 |
| 39 | $ 2.4384 | $ 4.8928 | $ 8.6286 | $ 2.6186 | $ 6.0401 | $ 11.7211 | $ 2.8006 | $ 5.3501 | $ 8.9158 |
| 40 | $ 4.0743 | $ 6.4150 | $ 10.8954 | $ 2.5117 | $ 5.1188 | $ 10.7609 | $ 2.9522 | $ 5.2281 | $ 8.2613 |
| 41 | $ 3.4205 | $ 6.0165 | $ 10.9862 | $ 3.7142 | $ 5.4528 | $ 9.1888 | $ 2.5690 | $ 5.6134 | $ 10.8677 |
| 42 | $ 3.4734 | $ 5.0012 | $ 8.3276 | $ 2.4176 | $ 6.0986 | $ 11.4402 | $ 2.6161 | $ 5.1820 | $ 10.6989 |
| 43 | $ 2.8988 | $ 5.5117 | $ 8.7909 | $ 3.2807 | $ 6.0637 | $ 9.7586 | $ 2.7103 | $ 6.0282 | $ 9.4606 |
| 44 | $ 3.6449 | $ 6.3395 | $ 8.9427 | $ 2.9680 | $ 6.0447 | $ 11.3074 | $ 2.5117 | $ 5.8819 | $ 11.3940 |
| 45 | $ 3.0336 | $ 6.1683 | $ 9.6515 | $ 2.4944 | $ 5.0810 | $ 8.7197 | $ 3.0430 | $ 5.8814 | $ 8.8686 |
| 46 | $ 2.7394 | $ 4.9904 | $ 8.4626 | $ 3.9785 | $ 5.3027 | $ 6.6857 | $ 3.9268 | $ 6.7524 | $ 11.1873 |
| 47 | $ 3.2782 | $ 4.8111 | $ 6.3292 | $ 3.5297 | $ 6.1355 | $ 9.6217 | $ 2.6778 | $ 5.6045 | $ 9.5741 |
| 48 | $ 2.8403 | $ 5.9790 | $ 10.6693 | $ 3.9972 | $ 6.4054 | $ 11.3063 | $ 3.3881 | $ 6.4009 | $ 11.7579 |
| 49 | $ 2.9002 | $ 5.7139 | $ 8.4149 | $ 2.9769 | $ 5.2546 | $ 10.3122 | $ 3.6803 | $ 6.3486 | $ 9.5024 |
| 50 | $ 3.4219 | $ 5.8542 | $ 7.5895 | $ 3.0623 | $ 5.2971 | $ 9.5036 | $ 2.9951 | $ 5.4520 | $ 11.4442 |

| | 2032 | | | 2033 | | | 2034 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.7633 | $ 6.1030 | $ 8.6008 | $ 2.6783 | $ 5.9623 | $ 8.5456 | $ 2.8363 | $ 5.7134 | $ 7.4543 |
| 52 | $ 2.5166 | $ 6.2589 | $ 9.8099 | $ 3.5415 | $ 6.0398 | $ 10.0705 | $ 2.8095 | $ 5.3039 | $ 11.7187 |
| 53 | $ 5.0944 | $ 5.9823 | $ 8.1653 | $ 3.3721 | $ 5.3781 | $ 8.8281 | $ 3.1820 | $ 5.9896 | $ 8.5149 |
| 54 | $ 3.7122 | $ 4.5730 | $ 6.7116 | $ 3.2019 | $ 6.2819 | $ 11.7211 | $ 3.6662 | $ 6.3976 | $ 11.1572 |
| 55 | $ 3.5232 | $ 5.4909 | $ 8.8608 | $ 3.1895 | $ 5.4464 | $ 9.6503 | $ 2.9054 | $ 5.7582 | $ 10.4435 |
| 56 | $ 2.5358 | $ 5.7786 | $ 8.1581 | $ 3.0512 | $ 5.5754 | $ 11.2161 | $ 3.8038 | $ 7.1295 | $ 9.6485 |
| 57 | $ 2.6844 | $ 5.8824 | $ 10.6856 | $ 4.7378 | $ 6.9271 | $ 10.0877 | $ 2.4311 | $ 5.2326 | $ 8.8543 |
| 58 | $ 3.5648 | $ 6.0143 | $ 10.8954 | $ 3.1933 | $ 5.4497 | $ 8.3865 | $ 3.2482 | $ 5.8219 | $ 10.2084 |
| 59 | $ 2.8486 | $ 4.9444 | $ 7.0863 | $ 2.4160 | $ 6.8448 | $ 10.6092 | $ 3.4285 | $ 6.4352 | $ 11.7193 |
| 60 | $ 3.3735 | $ 5.9125 | $ 9.8924 | $ 2.6947 | $ 5.7023 | $ 10.7218 | $ 2.5814 | $ 4.1707 | $ 7.4493 |
| 61 | $ 3.1568 | $ 6.9328 | $ 10.5637 | $ 2.8701 | $ 5.5635 | $ 10.9380 | $ 2.9980 | $ 6.4950 | $ 11.7444 |
| 62 | $ 3.0271 | $ 5.1924 | $ 9.2895 | $ 3.7730 | $ 6.0925 | $ 9.3819 | $ 2.9934 | $ 6.1015 | $ 9.6319 |
| 63 | $ 2.7038 | $ 5.4243 | $ 7.3397 | $ 2.8983 | $ 6.1282 | $ 10.1422 | $ 3.5907 | $ 5.5007 | $ 10.5899 |
| 64 | $ 3.7785 | $ 5.1248 | $ 7.3005 | $ 2.4870 | $ 5.6770 | $ 9.2602 | $ 2.4449 | $ 5.7542 | $ 11.8428 |
| 65 | $ 2.6866 | $ 4.6512 | $ 7.3713 | $ 2.4732 | $ 5.4531 | $ 9.7945 | $ 2.9438 | $ 6.4891 | $ 11.7591 |
| 66 | $ 3.3232 | $ 5.0910 | $ 8.0689 | $ 3.4083 | $ 5.1438 | $ 7.7737 | $ 3.8521 | $ 5.9636 | $ 10.6895 |
| 67 | $ 4.4669 | $ 5.7850 | $ 8.2897 | $ 2.6438 | $ 6.6067 | $ 11.7211 | $ 3.8674 | $ 6.2830 | $ 11.8121 |
| 68 | $ 2.5549 | $ 4.6870 | $ 6.8237 | $ 3.2091 | $ 5.5249 | $ 11.2377 | $ 3.2051 | $ 6.2113 | $ 11.7579 |
| 69 | $ 3.2156 | $ 5.3442 | $ 7.9842 | $ 2.7356 | $ 5.1698 | $ 9.7834 | $ 3.9669 | $ 5.6534 | $ 8.7127 |
| 70 | $ 2.5260 | $ 5.9574 | $ 10.7609 | $ 2.6183 | $ 5.6754 | $ 7.5703 | $ 4.5396 | $ 6.2190 | $ 8.0532 |
| 71 | $ 3.5745 | $ 5.6641 | $ 10.8436 | $ 3.6687 | $ 5.7465 | $ 9.2324 | $ 2.5954 | $ 6.2355 | $ 10.9587 |
| 72 | $ 2.7441 | $ 4.4495 | $ 7.1469 | $ 2.4732 | $ 6.1187 | $ 11.3074 | $ 3.2665 | $ 7.1798 | $ 11.8760 |
| 73 | $ 3.8339 | $ 6.4457 | $ 10.4376 | $ 2.7136 | $ 5.9492 | $ 9.2431 | $ 2.9066 | $ 6.0361 | $ 9.8080 |
| 74 | $ 3.3993 | $ 5.7512 | $ 9.5237 | $ 3.5654 | $ 5.4509 | $ 8.3454 | $ 2.3438 | $ 4.4985 | $ 6.0557 |
| 75 | $ 3.3863 | $ 6.2749 | $ 9.8304 | $ 3.4272 | $ 5.8154 | $ 10.2107 | $ 2.4449 | $ 5.7543 | $ 11.7027 |
| 76 | $ 2.4781 | $ 5.9037 | $ 9.1143 | $ 2.5470 | $ 5.0438 | $ 8.6182 | $ 2.5765 | $ 5.5810 | $ 10.0146 |
| 77 | $ 2.6521 | $ 5.2282 | $ 7.7402 | $ 2.6660 | $ 6.0179 | $ 11.3063 | $ 2.8016 | $ 4.9168 | $ 6.9427 |
| 78 | $ 3.2774 | $ 5.8477 | $ 7.9782 | $ 2.6438 | $ 5.3604 | $ 11.3116 | $ 3.1566 | $ 5.6043 | $ 7.9439 |
| 79 | $ 4.4778 | $ 7.1031 | $ 9.2142 | $ 3.4611 | $ 5.8280 | $ 9.2995 | $ 3.2162 | $ 6.5882 | $ 11.3491 |
| 80 | $ 3.4273 | $ 5.1807 | $ 7.3581 | $ 3.1023 | $ 6.1671 | $ 11.3063 | $ 3.7780 | $ 5.3667 | $ 7.1324 |
| 81 | $ 3.0418 | $ 5.5677 | $ 9.2905 | $ 3.5484 | $ 5.7297 | $ 11.3495 | $ 2.5977 | $ 7.1407 | $ 11.8009 |
| 82 | $ 2.7466 | $ 6.1943 | $ 8.8175 | $ 2.5711 | $ 6.8837 | $ 11.3116 | $ 3.1901 | $ 7.0424 | $ 11.8009 |
| 83 | $ 3.6775 | $ 6.4943 | $ 10.0857 | $ 3.0661 | $ 6.1364 | $ 10.6535 | $ 3.2297 | $ 5.1764 | $ 8.0803 |
| 84 | $ 2.6547 | $ 5.1689 | $ 7.7031 | $ 2.6438 | $ 4.9612 | $ 8.1573 | $ 2.5893 | $ 5.6286 | $ 8.5008 |
| 85 | $ 3.2512 | $ 6.2441 | $ 10.9862 | $ 3.0028 | $ 5.5506 | $ 10.7996 | $ 2.7556 | $ 6.4684 | $ 11.5451 |
| 86 | $ 3.2327 | $ 5.2212 | $ 9.5336 | $ 3.4579 | $ 5.1454 | $ 7.1383 | $ 2.9914 | $ 5.8133 | $ 11.1254 |
| 87 | $ 2.7434 | $ 5.5006 | $ 9.2577 | $ 3.3555 | $ 5.9593 | $ 10.8630 | $ 2.4962 | $ 5.6391 | $ 10.4601 |
| 88 | $ 2.5358 | $ 5.7653 | $ 8.2195 | $ 3.3082 | $ 5.3758 | $ 8.8939 | $ 4.7610 | $ 6.4152 | $ 11.8466 |
| 89 | $ 3.5099 | $ 5.8492 | $ 10.1654 | $ 3.9377 | $ 6.1891 | $ 11.3495 | $ 2.6536 | $ 5.7861 | $ 8.6655 |
| 90 | $ 2.9374 | $ 5.7320 | $ 8.3907 | $ 2.7786 | $ 4.9852 | $ 7.9700 | $ 4.4014 | $ 7.5664 | $ 12.1806 |
| 91 | $ 3.7360 | $ 5.7125 | $ 8.5748 | $ 3.8159 | $ 6.0470 | $ 8.7640 | $ 2.7665 | $ 5.7131 | $ 9.2220 |
| 92 | $ 2.9764 | $ 5.5583 | $ 9.9123 | $ 2.9410 | $ 5.4281 | $ 11.3063 | $ 2.8707 | $ 5.3263 | $ 10.1860 |
| 93 | $ 2.6145 | $ 5.0072 | $ 9.7034 | $ 2.9576 | $ 5.7031 | $ 9.5264 | $ 2.9632 | $ 5.2337 | $ 8.3509 |
| 94 | $ 2.6145 | $ 4.4175 | $ 7.1499 | $ 3.0520 | $ 5.5635 | $ 8.3619 | $ 2.7662 | $ 5.3660 | $ 9.5703 |
| 95 | $ 4.0028 | $ 6.0053 | $ 8.3331 | $ 2.7356 | $ 5.1323 | $ 7.4287 | $ 3.9267 | $ 7.0425 | $ 11.9072 |
| 96 | $ 4.3378 | $ 6.0707 | $ 9.6512 | $ 2.5721 | $ 5.1636 | $ 8.8837 | $ 4.4509 | $ 5.8505 | $ 9.3234 |
| 97 | $ 3.2548 | $ 5.3021 | $ 9.0523 | $ 3.6405 | $ 6.8115 | $ 10.6181 | $ 3.2319 | $ 7.0634 | $ 11.7278 |
| 98 | $ 4.0076 | $ 6.0956 | $ 10.9435 | $ 2.6830 | $ 5.8259 | $ 9.4591 | $ 2.5264 | $ 5.2828 | $ 8.4368 |
| 99 | $ 3.1386 | $ 5.4063 | $ 8.6553 | $ 2.7356 | $ 5.2763 | $ 9.9907 | $ 3.8734 | $ 6.3813 | $ 8.5160 |
| 100 | $ 3.4029 | $ 5.8884 | $ 11.0458 | $ 3.3850 | $ 5.4326 | $ 10.1252 | $ 3.6617 | $ 6.5933 | $ 11.8760 |

| | 2032 | | | 2033 | | | 2034 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 2.7281 | $ 5.3152 | $ 9.3427 | $ 3.8496 | $ 6.9537 | $ 10.6213 | $ 2.6986 | $ 6.3809 | $ 11.8121 |
| 102 | $ 4.0237 | $ 6.0841 | $ 11.0458 | $ 2.4160 | $ 4.8168 | $ 7.7282 | $ 3.8182 | $ 7.1656 | $ 11.5451 |
| 103 | $ 3.2575 | $ 5.8137 | $ 8.9070 | $ 3.0258 | $ 5.4745 | $ 8.8803 | $ 2.7902 | $ 5.6376 | $ 9.0121 |
| 104 | $ 3.2935 | $ 5.4624 | $ 7.8494 | $ 2.7034 | $ 5.9591 | $ 9.5662 | $ 2.3901 | $ 6.7042 | $ 11.8428 |
| 105 | $ 2.5802 | $ 5.4396 | $ 8.7157 | $ 2.8971 | $ 5.4001 | $ 10.9042 | $ 3.5950 | $ 5.8524 | $ 11.7027 |
| 106 | $ 3.7347 | $ 6.3096 | $ 10.9518 | $ 4.4113 | $ 5.8508 | $ 9.0326 | $ 3.1890 | $ 5.6320 | $ 9.6670 |
| 107 | $ 3.3498 | $ 6.3072 | $ 9.0366 | $ 2.7752 | $ 4.6701 | $ 8.1519 | $ 3.0866 | $ 5.3267 | $ 7.2845 |
| 108 | $ 3.3751 | $ 4.9001 | $ 6.6818 | $ 3.6763 | $ 6.2988 | $ 9.3236 | $ 3.5028 | $ 5.3412 | $ 7.9039 |
| 109 | $ 3.3732 | $ 7.0951 | $ 10.9862 | $ 2.8447 | $ 5.1136 | $ 11.0747 | $ 2.9244 | $ 5.8883 | $ 10.0021 |
| 110 | $ 3.1718 | $ 5.5689 | $ 10.1128 | $ 3.3443 | $ 5.1663 | $ 9.2491 | $ 2.3662 | $ 5.4709 | $ 8.2611 |
| 111 | $ 2.7466 | $ 5.7701 | $ 10.0604 | $ 3.1210 | $ 6.7564 | $ 11.3775 | $ 3.2941 | $ 5.7300 | $ 11.7187 |
| 112 | $ 2.7038 | $ 5.3114 | $ 10.9862 | $ 3.0367 | $ 5.2654 | $ 8.0697 | $ 3.4955 | $ 6.1525 | $ 10.0282 |
| 113 | $ 2.7726 | $ 5.5591 | $ 8.3842 | $ 2.8196 | $ 5.7190 | $ 8.0534 | $ 2.8305 | $ 5.3278 | $ 11.5451 |
| 114 | $ 2.7732 | $ 5.5185 | $ 8.1989 | $ 3.5964 | $ 6.2408 | $ 11.3074 | $ 3.1060 | $ 5.4948 | $ 11.7177 |
| 115 | $ 3.1028 | $ 6.6423 | $ 10.9862 | $ 2.6387 | $ 5.7728 | $ 11.3858 | $ 2.8779 | $ 6.2753 | $ 11.7354 |
| 116 | $ 3.2889 | $ 5.5410 | $ 8.0311 | $ 4.2610 | $ 5.8702 | $ 8.0663 | $ 3.6572 | $ 6.4611 | $ 9.3374 |
| 117 | $ 2.9009 | $ 4.9051 | $ 7.4936 | $ 3.6040 | $ 5.5445 | $ 8.7317 | $ 2.5740 | $ 5.6627 | $ 8.8576 |
| 118 | $ 2.7277 | $ 5.8053 | $ 10.9518 | $ 3.6648 | $ 6.1398 | $ 10.5889 | $ 3.0872 | $ 5.9672 | $ 11.7354 |
| 119 | $ 3.3751 | $ 6.0199 | $ 10.8731 | $ 3.3350 | $ 6.5650 | $ 11.4231 | $ 3.7118 | $ 5.9261 | $ 11.8760 |
| 120 | $ 2.4384 | $ 5.1299 | $ 9.6897 | $ 2.6339 | $ 5.0435 | $ 8.6480 | $ 3.7139 | $ 6.6286 | $ 11.8121 |
| 121 | $ 3.4029 | $ 5.9243 | $ 10.8514 | $ 3.2571 | $ 5.3889 | $ 9.2073 | $ 2.9649 | $ 5.6887 | $ 8.3409 |
| 122 | $ 2.6937 | $ 5.8150 | $ 9.8942 | $ 2.6731 | $ 5.2804 | $ 10.1588 | $ 3.3797 | $ 6.5464 | $ 8.9010 |
| 123 | $ 3.4007 | $ 6.2266 | $ 9.7315 | $ 3.1618 | $ 5.3568 | $ 9.5752 | $ 3.1883 | $ 5.7448 | $ 11.6819 |
| 124 | $ 3.9977 | $ 5.8072 | $ 8.4911 | $ 3.1825 | $ 5.8683 | $ 11.2058 | $ 2.8141 | $ 5.2965 | $ 11.7278 |
| 125 | $ 3.4178 | $ 5.8122 | $ 10.9926 | $ 2.6462 | $ 5.4668 | $ 10.2811 | $ 3.2523 | $ 6.1400 | $ 11.8760 |
| 126 | $ 3.9251 | $ 5.6546 | $ 10.8731 | $ 2.8305 | $ 5.3631 | $ 8.0248 | $ 3.2577 | $ 5.9903 | $ 10.2108 |
| 127 | $ 3.9615 | $ 6.0035 | $ 9.4784 | $ 3.2067 | $ 5.1593 | $ 7.4505 | $ 2.5605 | $ 5.1362 | $ 7.6583 |
| 128 | $ 2.9911 | $ 5.9845 | $ 10.9926 | $ 3.2548 | $ 5.2958 | $ 8.9033 | $ 2.5814 | $ 5.6801 | $ 11.7278 |
| 129 | $ 3.0894 | $ 5.1094 | $ 7.5244 | $ 4.4059 | $ 6.8555 | $ 11.3858 | $ 3.0250 | $ 5.3722 | $ 10.0346 |
| 130 | $ 2.6844 | $ 5.1260 | $ 7.8550 | $ 3.5994 | $ 5.9415 | $ 11.3495 | $ 3.2341 | $ 5.6275 | $ 9.4766 |
| 131 | $ 2.7107 | $ 5.8892 | $ 10.0477 | $ 2.6438 | $ 5.6217 | $ 11.3116 | $ 4.1961 | $ 7.2619 | $ 11.8760 |
| 132 | $ 2.7726 | $ 5.3363 | $ 9.1394 | $ 3.8814 | $ 6.0703 | $ 8.5930 | $ 3.5382 | $ 6.8855 | $ 11.5451 |
| 133 | $ 2.5358 | $ 5.0704 | $ 7.6588 | $ 3.4164 | $ 6.0793 | $ 10.4624 | $ 2.5117 | $ 6.4445 | $ 8.8019 |
| 134 | $ 2.6145 | $ 5.6889 | $ 8.0858 | $ 2.4870 | $ 5.8609 | $ 9.4444 | $ 3.2137 | $ 5.2758 | $ 8.3012 |
| 135 | $ 2.9419 | $ 5.3038 | $ 9.7374 | $ 5.2607 | $ 6.5364 | $ 9.6622 | $ 2.9936 | $ 6.0018 | $ 9.8236 |
| 136 | $ 3.2192 | $ 5.7454 | $ 10.6856 | $ 3.2872 | $ 5.8549 | $ 10.0511 | $ 2.8785 | $ 4.9106 | $ 6.8787 |
| 137 | $ 2.7823 | $ 5.4067 | $ 10.4876 | $ 2.7356 | $ 6.2299 | $ 10.6422 | $ 3.1914 | $ 6.8240 | $ 9.3204 |
| 138 | $ 3.4839 | $ 5.8300 | $ 10.0644 | $ 3.0726 | $ 5.2840 | $ 7.6945 | $ 3.0276 | $ 4.9609 | $ 7.8814 |
| 139 | $ 3.9003 | $ 6.3089 | $ 9.2903 | $ 3.6302 | $ 6.3212 | $ 10.9156 | $ 3.5684 | $ 5.4416 | $ 7.6854 |
| 140 | $ 3.1480 | $ 5.4275 | $ 11.0458 | $ 2.9064 | $ 6.3876 | $ 11.2405 | $ 3.5877 | $ 6.9327 | $ 11.8009 |
| 141 | $ 3.6116 | $ 5.2981 | $ 8.6619 | $ 2.7983 | $ 5.8119 | $ 10.1120 | $ 3.1845 | $ 7.3223 | $ 11.7278 |
| 142 | $ 3.2322 | $ 5.6551 | $ 10.8593 | $ 3.7370 | $ 5.5916 | $ 8.2913 | $ 3.3746 | $ 5.3088 | $ 9.1927 |
| 143 | $ 3.5151 | $ 6.7362 | $ 10.7369 | $ 3.5535 | $ 5.9030 | $ 8.8699 | $ 3.4845 | $ 5.7321 | $ 9.5042 |
| 144 | $ 3.1335 | $ 6.4119 | $ 9.7993 | $ 3.2644 | $ 5.6983 | $ 10.1091 | $ 3.4453 | $ 6.0092 | $ 11.7354 |
| 145 | $ 2.9569 | $ 4.8178 | $ 8.5735 | $ 2.9822 | $ 6.4731 | $ 10.9805 | $ 3.4918 | $ 7.1188 | $ 10.7608 |
| 146 | $ 3.6106 | $ 5.2622 | $ 9.7098 | $ 2.6387 | $ 5.7889 | $ 9.1226 | $ 2.6709 | $ 5.1250 | $ 7.8393 |
| 147 | $ 2.4384 | $ 6.1379 | $ 8.8924 | $ 3.2517 | $ 5.7141 | $ 8.5207 | $ 3.5428 | $ 6.3499 | $ 11.5451 |
| 148 | $ 3.3026 | $ 6.5557 | $ 9.6198 | $ 2.6679 | $ 6.2131 | $ 9.6419 | $ 2.5814 | $ 6.4341 | $ 11.7027 |
| 149 | $ 4.3031 | $ 6.2483 | $ 10.5317 | $ 3.4868 | $ 5.9792 | $ 8.7760 | $ 3.6575 | $ 6.0380 | $ 8.8474 |
| 150 | $ 3.3203 | $ 6.0002 | $ 8.8030 | $ 2.6919 | $ 6.4654 | $ 10.5179 | $ 3.0355 | $ 6.2293 | $ 10.7093 |

| | 2032 | | | 2033 | | | 2034 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 2.5424 | $ 5.8492 | $ 10.8514 | $ 2.9562 | $ 6.8044 | $ 11.3858 | $ 2.3662 | $ 5.4425 | $ 11.1443 |
| 152 | $ 2.8806 | $ 4.6215 | $ 7.3184 | $ 2.4207 | $ 7.0761 | $ 9.8753 | $ 3.2546 | $ 6.0216 | $ 8.2247 |
| 153 | $ 2.7042 | $ 6.9483 | $ 10.9862 | $ 3.2617 | $ 5.3869 | $ 8.4794 | $ 2.7176 | $ 5.6600 | $ 10.6651 |
| 154 | $ 3.1513 | $ 5.8580 | $ 11.0458 | $ 4.2345 | $ 7.6984 | $ 11.1109 | $ 3.2850 | $ 6.1931 | $ 9.7961 |
| 155 | $ 2.6994 | $ 5.0377 | $ 7.5433 | $ 2.9655 | $ 5.3940 | $ 9.6028 | $ 3.2389 | $ 5.5506 | $ 11.3736 |
| 156 | $ 2.5358 | $ 5.1357 | $ 8.8443 | $ 3.0955 | $ 5.4086 | $ 8.4638 | $ 3.4715 | $ 5.8910 | $ 11.4076 |
| 157 | $ 2.6145 | $ 5.7513 | $ 9.2491 | $ 3.9532 | $ 6.3680 | $ 9.0650 | $ 4.4219 | $ 6.2559 | $ 8.9466 |
| 158 | $ 2.5347 | $ 5.8501 | $ 10.8483 | $ 2.8103 | $ 5.6950 | $ 8.3018 | $ 2.6374 | $ 5.9941 | $ 11.6057 |
| 159 | $ 3.7178 | $ 5.7732 | $ 10.9926 | $ 3.3691 | $ 4.9284 | $ 6.7024 | $ 2.9234 | $ 6.6043 | $ 11.5925 |
| 160 | $ 2.6058 | $ 6.3656 | $ 10.8483 | $ 2.5774 | $ 5.2557 | $ 9.9878 | $ 2.6161 | $ 6.1859 | $ 8.4930 |
| 161 | $ 3.7651 | $ 5.5802 | $ 10.0972 | $ 2.4870 | $ 6.4261 | $ 10.6797 | $ 3.0506 | $ 6.1885 | $ 11.5451 |
| 162 | $ 3.4504 | $ 5.9180 | $ 9.1971 | $ 3.0990 | $ 7.1437 | $ 11.3495 | $ 2.7413 | $ 5.8543 | $ 11.8121 |
| 163 | $ 3.8705 | $ 6.0859 | $ 10.9862 | $ 2.7356 | $ 5.3421 | $ 10.4509 | $ 3.0520 | $ 5.9900 | $ 11.3553 |
| 164 | $ 3.2546 | $ 5.6938 | $ 10.2217 | $ 2.6941 | $ 5.5811 | $ 8.0314 | $ 3.2698 | $ 6.2576 | $ 11.8009 |
| 165 | $ 3.8422 | $ 6.1949 | $ 8.8893 | $ 3.7771 | $ 4.9651 | $ 6.5892 | $ 3.8145 | $ 6.5755 | $ 8.9643 |
| 166 | $ 3.1634 | $ 6.1699 | $ 10.8483 | $ 3.9333 | $ 6.2336 | $ 11.3495 | $ 3.0491 | $ 6.2174 | $ 10.7455 |
| 167 | $ 3.2467 | $ 5.4958 | $ 8.3476 | $ 3.5213 | $ 5.1864 | $ 9.0580 | $ 2.4475 | $ 5.7050 | $ 8.6881 |
| 168 | $ 2.9965 | $ 5.3681 | $ 10.0067 | $ 2.8645 | $ 5.3262 | $ 9.3310 | $ 3.7042 | $ 5.9725 | $ 7.7466 |
| 169 | $ 2.7726 | $ 5.7321 | $ 11.0458 | $ 2.7922 | $ 5.6093 | $ 10.7776 | $ 2.6941 | $ 6.1520 | $ 11.8009 |
| 170 | $ 4.1200 | $ 6.1638 | $ 9.1324 | $ 2.4732 | $ 5.5466 | $ 11.1306 | $ 3.2504 | $ 5.8592 | $ 8.5288 |
| 171 | $ 3.1202 | $ 5.7517 | $ 10.8954 | $ 3.7283 | $ 6.7041 | $ 11.1847 | $ 2.9733 | $ 5.6875 | $ 10.4498 |
| 172 | $ 2.5940 | $ 4.6596 | $ 8.0172 | $ 2.5711 | $ 5.9464 | $ 11.2915 | $ 3.1774 | $ 5.3815 | $ 8.5922 |
| 173 | $ 2.7043 | $ 5.9959 | $ 8.8133 | $ 4.0579 | $ 5.9960 | $ 8.5095 | $ 3.6447 | $ 5.7377 | $ 8.8505 |
| 174 | $ 3.1190 | $ 6.6137 | $ 10.8731 | $ 2.7356 | $ 5.5434 | $ 10.5883 | $ 4.3280 | $ 7.0658 | $ 11.7579 |
| 175 | $ 3.2608 | $ 6.3807 | $ 9.3717 | $ 3.3291 | $ 5.5040 | $ 11.7211 | $ 2.4210 | $ 4.9921 | $ 9.1823 |
| 176 | $ 2.4957 | $ 6.6400 | $ 11.0458 | $ 3.7712 | $ 5.8124 | $ 10.7019 | $ 3.9394 | $ 6.4298 | $ 10.3388 |
| 177 | $ 2.8220 | $ 5.0024 | $ 6.9860 | $ 2.4732 | $ 5.2530 | $ 9.3790 | $ 3.2662 | $ 6.2855 | $ 10.5486 |
| 178 | $ 3.2051 | $ 5.7932 | $ 8.4764 | $ 2.8030 | $ 5.4327 | $ 8.4375 | $ 2.6221 | $ 5.0784 | $ 9.9086 |
| 179 | $ 2.6804 | $ 5.5282 | $ 10.8514 | $ 3.1511 | $ 5.0600 | $ 11.2897 | $ 2.9187 | $ 6.5278 | $ 11.7278 |
| 180 | $ 2.5358 | $ 5.8878 | $ 9.8421 | $ 2.7899 | $ 6.3456 | $ 10.2142 | $ 2.5826 | $ 5.9103 | $ 8.9358 |
| 181 | $ 3.4321 | $ 6.7431 | $ 10.1635 | $ 2.4870 | $ 5.1175 | $ 9.8371 | $ 2.4171 | $ 6.4549 | $ 11.6888 |
| 182 | $ 2.4781 | $ 5.5941 | $ 9.5860 | $ 3.2479 | $ 6.0289 | $ 11.3116 | $ 3.1779 | $ 5.4175 | $ 7.9520 |
| 183 | $ 3.6988 | $ 5.4636 | $ 8.9964 | $ 3.3140 | $ 5.7922 | $ 8.5895 | $ 3.9837 | $ 6.8790 | $ 10.1379 |
| 184 | $ 2.6844 | $ 5.6987 | $ 7.8007 | $ 4.6796 | $ 6.4612 | $ 8.9674 | $ 3.3016 | $ 6.2060 | $ 8.4646 |
| 185 | $ 2.4384 | $ 5.4322 | $ 9.9269 | $ 3.2832 | $ 4.6620 | $ 7.3032 | $ 2.5814 | $ 5.4977 | $ 8.1894 |
| 186 | $ 2.8443 | $ 4.9165 | $ 6.3444 | $ 2.4732 | $ 5.8865 | $ 8.9299 | $ 3.1530 | $ 6.2783 | $ 9.2121 |
| 187 | $ 3.2301 | $ 5.5093 | $ 8.9492 | $ 2.7729 | $ 5.3286 | $ 9.2407 | $ 4.0902 | $ 7.0681 | $ 11.8009 |
| 188 | $ 2.6014 | $ 5.9369 | $ 11.2149 | $ 4.1825 | $ 7.1405 | $ 11.2957 | $ 3.2196 | $ 7.0091 | $ 11.1866 |
| 189 | $ 3.2010 | $ 5.8295 | $ 10.1747 | $ 2.4870 | $ 5.4796 | $ 10.6469 | $ 2.3214 | $ 5.3163 | $ 10.1872 |
| 190 | $ 3.7570 | $ 5.9349 | $ 9.4626 | $ 4.0912 | $ 6.0224 | $ 9.3506 | $ 3.4614 | $ 5.7001 | $ 10.0168 |
| 191 | $ 3.7909 | $ 6.6041 | $ 10.9518 | $ 2.4176 | $ 5.4657 | $ 7.7735 | $ 3.2219 | $ 5.6830 | $ 9.0038 |
| 192 | $ 3.2707 | $ 7.1317 | $ 10.1264 | $ 2.7041 | $ 5.4024 | $ 8.2180 | $ 2.5196 | $ 4.7876 | $ 9.2953 |
| 193 | $ 2.5260 | $ 5.3339 | $ 8.8058 | $ 3.2182 | $ 5.7402 | $ 9.4438 | $ 4.3228 | $ 6.3126 | $ 10.5652 |
| 194 | $ 2.9580 | $ 5.9845 | $ 9.9277 | $ 3.2127 | $ 4.9191 | $ 7.9487 | $ 3.8982 | $ 6.2139 | $ 8.7381 |
| 195 | $ 2.9110 | $ 5.8469 | $ 9.9569 | $ 2.7751 | $ 7.2937 | $ 11.1216 | $ 3.0598 | $ 6.0771 | $ 10.8236 |
| 196 | $ 2.8882 | $ 5.5739 | $ 10.1992 | $ 3.2819 | $ 5.6582 | $ 8.3324 | $ 2.9839 | $ 5.9282 | $ 11.5845 |
| 197 | $ 3.1907 | $ 4.9930 | $ 8.0783 | $ 3.4797 | $ 5.8601 | $ 11.2915 | $ 3.7401 | $ 6.4244 | $ 11.8760 |
| 198 | $ 3.9047 | $ 5.3570 | $ 7.6245 | $ 3.0455 | $ 5.4430 | $ 11.0121 | $ 3.0003 | $ 6.7150 | $ 10.4845 |
| 199 | $ 3.0327 | $ 5.2321 | $ 8.0126 | $ 2.6660 | $ 5.5342 | $ 8.3793 | $ 2.4210 | $ 5.4273 | $ 11.0538 |
| 200 | $ 2.7042 | $ 5.5913 | $ 10.2331 | $ 2.8834 | $ 4.6650 | $ 10.1252 | $ 3.4150 | $ 6.4712 | $ 10.9001 |
| Min | $ 2.4384 | $ 4.1236 | $ 6.3292 | $ 2.4160 | $ 4.6131 | $ 6.5892 | $ 2.3214 | $ 4.1707 | $ 6.0557 |
| Average | $ 3.1685 | $ 5.6929 | $ 9.3095 | $ 3.1631 | $ 5.7688 | $ 9.7660 | $ 3.1697 | $ 5.9639 | $ 10.0679 |
| Max | $ 5.0944 | $ 7.7765 | $ 11.3039 | $ 5.2607 | $ 7.6984 | $ 11.7211 | $ 5.0802 | $ 7.5664 | $ 12.1806 |

| | 2035 | | | 2036 | | | 2037 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 1 | $ 3.3955 | $ 6.4536 | $ 11.4553 | $ 3.8379 | $ 6.7298 | $ 8.7300 | $ 3.6716 | $ 6.7485 | $ 12.2122 |
| 2 | $ 2.8243 | $ 5.4152 | $ 8.0573 | $ 3.1621 | $ 5.7561 | $ 8.0949 | $ 2.6878 | $ 5.6635 | $ 10.8146 |
| 3 | $ 3.4338 | $ 5.8673 | $ 12.2214 | $ 4.0149 | $ 7.2735 | $ 12.7852 | $ 3.5687 | $ 7.5632 | $ 12.0618 |
| 4 | $ 3.9884 | $ 6.6135 | $ 9.1821 | $ 4.0937 | $ 6.8107 | $ 12.2754 | $ 3.4904 | $ 6.2136 | $ 10.7074 |
| 5 | $ 3.4754 | $ 5.3282 | $ 10.4941 | $ 4.0621 | $ 7.4451 | $ 12.6902 | $ 3.9565 | $ 7.0734 | $ 12.1625 |
| 6 | $ 2.5107 | $ 6.7016 | $ 12.2383 | $ 3.0044 | $ 5.7243 | $ 8.1845 | $ 2.7209 | $ 6.4138 | $ 10.6582 |
| 7 | $ 2.9733 | $ 6.3200 | $ 10.6946 | $ 2.6183 | $ 5.7276 | $ 8.4885 | $ 3.7070 | $ 6.0807 | $ 7.8006 |
| 8 | $ 4.1710 | $ 6.6547 | $ 11.8281 | $ 3.5907 | $ 6.3481 | $ 12.4813 | $ 4.1382 | $ 6.0341 | $ 8.8450 |
| 9 | $ 2.5860 | $ 6.4378 | $ 12.6464 | $ 3.9071 | $ 7.3509 | $ 12.7852 | $ 2.3139 | $ 5.5538 | $ 11.1807 |
| 10 | $ 2.6071 | $ 6.2321 | $ 12.3323 | $ 4.1315 | $ 7.1071 | $ 11.1147 | $ 3.3958 | $ 6.6008 | $ 12.4627 |
| 11 | $ 3.1041 | $ 6.9214 | $ 11.9549 | $ 3.3381 | $ 6.0139 | $ 8.9135 | $ 3.6846 | $ 6.5729 | $ 11.8031 |
| 12 | $ 3.8962 | $ 7.3488 | $ 12.3759 | $ 3.1135 | $ 6.2665 | $ 11.2317 | $ 2.3564 | $ 6.0296 | $ 11.2550 |
| 13 | $ 3.5501 | $ 6.0694 | $ 10.0655 | $ 3.1366 | $ 6.6484 | $ 12.7126 | $ 2.8450 | $ 5.6952 | $ 8.5900 |
| 14 | $ 3.6972 | $ 7.0494 | $ 12.2102 | $ 2.5523 | $ 6.3301 | $ 12.7491 | $ 3.9352 | $ 6.5815 | $ 11.6045 |
| 15 | $ 3.7423 | $ 6.4537 | $ 10.4127 | $ 2.4547 | $ 6.8516 | $ 11.2142 | $ 3.4861 | $ 5.9798 | $ 8.6589 |
| 16 | $ 3.0327 | $ 7.8416 | $ 12.3323 | $ 2.6836 | $ 6.0718 | $ 12.1933 | $ 3.1004 | $ 6.4622 | $ 10.3382 |
| 17 | $ 2.6302 | $ 6.7471 | $ 11.9224 | $ 2.4324 | $ 6.6632 | $ 10.7844 | $ 2.8203 | $ 6.0690 | $ 8.9032 |
| 18 | $ 2.6950 | $ 6.6932 | $ 12.3759 | $ 2.9320 | $ 6.0621 | $ 8.7599 | $ 2.2967 | $ 5.5496 | $ 8.9477 |
| 19 | $ 3.1376 | $ 5.7591 | $ 7.0467 | $ 3.2297 | $ 6.6155 | $ 9.6860 | $ 2.6308 | $ 5.3206 | $ 7.4506 |
| 20 | $ 3.8056 | $ 5.7593 | $ 8.8626 | $ 2.8480 | $ 6.7564 | $ 10.0188 | $ 3.3030 | $ 7.5771 | $ 12.7760 |
| 21 | $ 3.1804 | $ 6.6717 | $ 11.0770 | $ 2.7981 | $ 5.0404 | $ 8.4095 | $ 3.1177 | $ 5.2946 | $ 11.2957 |
| 22 | $ 3.3121 | $ 5.5157 | $ 7.7624 | $ 2.3309 | $ 5.8079 | $ 11.1757 | $ 3.3020 | $ 6.8090 | $ 13.1525 |
| 23 | $ 2.6052 | $ 5.7603 | $ 11.9414 | $ 3.7308 | $ 6.1326 | $ 9.6882 | $ 3.3484 | $ 5.9595 | $ 10.2087 |
| 24 | $ 2.6587 | $ 6.1716 | $ 9.9419 | $ 2.4324 | $ 6.1244 | $ 11.3974 | $ 3.2366 | $ 5.8171 | $ 8.9966 |
| 25 | $ 3.2280 | $ 6.1614 | $ 9.2650 | $ 3.1361 | $ 6.0515 | $ 12.0758 | $ 2.9017 | $ 7.3300 | $ 13.2832 |
| 26 | $ 3.2639 | $ 5.5119 | $ 11.2481 | $ 2.7775 | $ 5.7892 | $ 9.7552 | $ 4.6253 | $ 7.2392 | $ 10.6733 |
| 27 | $ 4.2031 | $ 6.3681 | $ 9.6657 | $ 4.2558 | $ 6.6752 | $ 9.7020 | $ 2.7555 | $ 5.8677 | $ 10.2168 |
| 28 | $ 2.9588 | $ 4.6100 | $ 8.0460 | $ 3.4011 | $ 5.7510 | $ 9.6755 | $ 2.6420 | $ 6.1572 | $ 13.1838 |
| 29 | $ 2.7944 | $ 5.9012 | $ 8.8103 | $ 3.7467 | $ 5.9714 | $ 8.7263 | $ 3.3885 | $ 7.2602 | $ 12.5610 |
| 30 | $ 3.0774 | $ 5.3201 | $ 11.0641 | $ 3.7178 | $ 6.8293 | $ 12.3784 | $ 3.6713 | $ 5.7504 | $ 8.7204 |
| 31 | $ 2.9005 | $ 6.9729 | $ 11.2691 | $ 2.6795 | $ 5.5164 | $ 9.9254 | $ 3.2264 | $ 5.7048 | $ 9.5507 |
| 32 | $ 3.8171 | $ 6.0393 | $ 12.3139 | $ 2.7958 | $ 5.6308 | $ 10.9677 | $ 3.1249 | $ 6.4270 | $ 13.1525 |
| 33 | $ 2.5107 | $ 5.3779 | $ 9.1359 | $ 3.6862 | $ 7.4527 | $ 10.5155 | $ 2.8866 | $ 5.2958 | $ 9.1359 |
| 34 | $ 3.5031 | $ 5.1093 | $ 6.9000 | $ 3.6867 | $ 7.0984 | $ 12.7491 | $ 2.6542 | $ 6.5213 | $ 10.2242 |
| 35 | $ 4.1129 | $ 5.6650 | $ 8.1337 | $ 2.6836 | $ 6.5881 | $ 10.8322 | $ 3.2501 | $ 5.6586 | $ 8.1512 |
| 36 | $ 2.4531 | $ 7.0689 | $ 12.3323 | $ 3.8052 | $ 6.6683 | $ 9.0874 | $ 2.8557 | $ 6.2861 | $ 13.3315 |
| 37 | $ 2.7707 | $ 6.9576 | $ 12.2383 | $ 3.8380 | $ 6.4142 | $ 10.3245 | $ 2.4145 | $ 5.7600 | $ 13.3315 |
| 38 | $ 3.3678 | $ 5.7690 | $ 12.2969 | $ 3.7569 | $ 5.8663 | $ 10.2692 | $ 3.7215 | $ 7.3306 | $ 13.2832 |
| 39 | $ 3.7908 | $ 6.0299 | $ 9.2430 | $ 3.5280 | $ 6.1005 | $ 10.1117 | $ 3.0225 | $ 5.5736 | $ 8.5416 |
| 40 | $ 2.4103 | $ 5.5523 | $ 9.3084 | $ 2.9048 | $ 5.4417 | $ 11.7735 | $ 2.6226 | $ 6.5588 | $ 10.1973 |
| 41 | $ 3.4190 | $ 7.3095 | $ 12.2102 | $ 4.3670 | $ 7.5182 | $ 12.7126 | $ 2.5848 | $ 5.6113 | $ 8.7850 |
| 42 | $ 3.7453 | $ 6.0340 | $ 7.9551 | $ 4.1657 | $ 6.3013 | $ 9.9848 | $ 2.5530 | $ 6.7316 | $ 13.3192 |
| 43 | $ 3.7560 | $ 5.7574 | $ 7.5469 | $ 3.5375 | $ 6.4538 | $ 8.4784 | $ 2.4042 | $ 5.1154 | $ 8.4603 |
| 44 | $ 3.2224 | $ 5.3338 | $ 10.2959 | $ 2.5804 | $ 6.3062 | $ 12.8190 | $ 3.8111 | $ 7.0576 | $ 13.3315 |
| 45 | $ 2.4248 | $ 6.1912 | $ 9.7380 | $ 3.6792 | $ 7.6467 | $ 13.1538 | $ 2.7737 | $ 6.3607 | $ 11.7116 |
| 46 | $ 3.4029 | $ 7.8552 | $ 12.2102 | $ 3.6361 | $ 5.4853 | $ 7.0642 | $ 3.4183 | $ 5.9586 | $ 13.2832 |
| 47 | $ 2.4248 | $ 5.6136 | $ 8.3754 | $ 4.2056 | $ 6.0375 | $ 10.0229 | $ 2.4145 | $ 6.2037 | $ 12.3813 |
| 48 | $ 2.7541 | $ 5.4475 | $ 9.7900 | $ 2.4368 | $ 5.7900 | $ 12.7852 | $ 3.5199 | $ 5.4290 | $ 7.4632 |
| 49 | $ 2.8345 | $ 6.5009 | $ 10.9177 | $ 3.6628 | $ 7.0495 | $ 10.5779 | $ 3.5860 | $ 5.6326 | $ 10.3852 |
| 50 | $ 2.4531 | $ 6.2870 | $ 9.5978 | $ 2.3866 | $ 5.5364 | $ 12.7179 | $ 2.7514 | $ 6.7424 | $ 12.1770 |

| | 2035 | | | 2036 | | | 2036 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 51 | $ 2.6579 | $ 7.0207 | $ 12.3139 | $ 2.7605 | $ 5.8623 | $ 9.6927 | $ 3.6657 | $ 5.7512 | $ 10.0464 |
| 52 | $ 3.1466 | $ 6.2111 | $ 11.4778 | $ 2.5921 | $ 6.1544 | $ 9.3786 | $ 3.1310 | $ 6.7101 | $ 12.2533 |
| 53 | $ 2.4531 | $ 5.4637 | $ 11.6828 | $ 2.8378 | $ 5.4425 | $ 9.4382 | $ 2.9224 | $ 6.6203 | $ 13.2438 |
| 54 | $ 2.6488 | $ 6.7027 | $ 11.6891 | $ 2.6245 | $ 6.1221 | $ 11.7603 | $ 2.6226 | $ 6.0270 | $ 8.7450 |
| 55 | $ 2.5860 | $ 5.0594 | $ 9.0621 | $ 3.0434 | $ 5.2523 | $ 9.7903 | $ 2.4120 | $ 6.6688 | $ 12.5579 |
| 56 | $ 2.5860 | $ 5.0321 | $ 7.9056 | $ 3.3819 | $ 5.1904 | $ 12.6904 | $ 3.3728 | $ 5.2207 | $ 8.1535 |
| 57 | $ 4.2748 | $ 6.9152 | $ 12.2383 | $ 3.8401 | $ 6.3236 | $ 9.9699 | $ 2.8900 | $ 5.5559 | $ 12.9174 |
| 58 | $ 3.4925 | $ 6.2825 | $ 9.0332 | $ 3.1713 | $ 6.3947 | $ 11.9740 | $ 4.4686 | $ 6.5143 | $ 10.1998 |
| 59 | $ 3.2159 | $ 5.6603 | $ 9.1618 | $ 3.2609 | $ 5.4351 | $ 9.1705 | $ 5.1270 | $ 7.7341 | $ 10.9606 |
| 60 | $ 3.4088 | $ 5.9483 | $ 9.6487 | $ 4.0534 | $ 6.2579 | $ 12.1978 | $ 3.0165 | $ 4.8547 | $ 7.2376 |
| 61 | $ 3.2347 | $ 7.3548 | $ 11.6290 | $ 3.7944 | $ 5.9953 | $ 11.9199 | $ 2.9260 | $ 5.3996 | $ 11.6082 |
| 62 | $ 3.3419 | $ 6.1085 | $ 9.6390 | $ 2.6484 | $ 7.3803 | $ 13.1538 | $ 3.1984 | $ 6.4462 | $ 13.1783 |
| 63 | $ 2.7146 | $ 6.1380 | $ 11.1112 | $ 4.7556 | $ 6.5357 | $ 10.9519 | $ 3.2136 | $ 5.5987 | $ 10.2242 |
| 64 | $ 2.6088 | $ 5.3024 | $ 12.0066 | $ 3.2525 | $ 7.4298 | $ 10.7984 | $ 3.0018 | $ 6.9111 | $ 12.9236 |
| 65 | $ 2.9315 | $ 6.8772 | $ 12.2797 | $ 2.5097 | $ 5.7827 | $ 9.8630 | $ 3.6877 | $ 7.5120 | $ 13.2438 |
| 66 | $ 3.2338 | $ 6.2472 | $ 12.6464 | $ 2.6484 | $ 6.4806 | $ 12.8559 | $ 4.3501 | $ 7.0111 | $ 11.2185 |
| 67 | $ 2.6683 | $ 6.2257 | $ 10.4188 | $ 2.6030 | $ 6.7078 | $ 12.8559 | $ 2.3873 | $ 6.0668 | $ 9.0690 |
| 68 | $ 3.2929 | $ 6.5771 | $ 10.6496 | $ 3.5531 | $ 5.7097 | $ 9.3318 | $ 3.2506 | $ 6.4717 | $ 11.8254 |
| 69 | $ 2.4755 | $ 5.6633 | $ 10.2285 | $ 2.4257 | $ 7.1763 | $ 12.7831 | $ 3.0311 | $ 6.3104 | $ 9.4269 |
| 70 | $ 3.2771 | $ 6.0393 | $ 10.9924 | $ 2.5134 | $ 6.0312 | $ 9.6445 | $ 3.0736 | $ 6.3706 | $ 10.8175 |
| 71 | $ 2.5860 | $ 5.7653 | $ 9.9100 | $ 3.2442 | $ 6.4295 | $ 10.2165 | $ 3.3718 | $ 5.8548 | $ 9.3054 |
| 72 | $ 3.6298 | $ 5.7507 | $ 10.0906 | $ 3.8290 | $ 7.5378 | $ 12.7831 | $ 2.5530 | $ 6.0761 | $ 8.7287 |
| 73 | $ 3.6753 | $ 6.7891 | $ 9.4133 | $ 2.6795 | $ 6.2544 | $ 9.5445 | $ 3.8739 | $ 7.1848 | $ 10.5836 |
| 74 | $ 3.1514 | $ 5.9131 | $ 9.3582 | $ 2.8727 | $ 5.0399 | $ 8.3426 | $ 3.6704 | $ 5.5516 | $ 10.5826 |
| 75 | $ 3.5154 | $ 6.1558 | $ 10.1718 | $ 3.8662 | $ 6.8400 | $ 11.9237 | $ 3.0581 | $ 6.1879 | $ 11.9517 |
| 76 | $ 2.5549 | $ 5.6291 | $ 7.9926 | $ 3.2975 | $ 6.5099 | $ 9.8190 | $ 2.5672 | $ 5.8265 | $ 12.2153 |
| 77 | $ 3.6897 | $ 6.4123 | $ 11.4296 | $ 2.3731 | $ 5.7194 | $ 8.8960 | $ 3.0053 | $ 5.5828 | $ 8.1060 |
| 78 | $ 2.8184 | $ 5.5079 | $ 12.2797 | $ 3.3286 | $ 5.6962 | $ 12.7179 | $ 3.1802 | $ 6.4938 | $ 13.2052 |
| 79 | $ 3.4799 | $ 6.5977 | $ 12.6464 | $ 4.0202 | $ 6.4127 | $ 11.2667 | $ 2.6226 | $ 6.1735 | $ 8.9375 |
| 80 | $ 3.8497 | $ 6.3629 | $ 8.3161 | $ 2.5134 | $ 5.4956 | $ 7.7848 | $ 4.1749 | $ 7.4329 | $ 13.2832 |
| 81 | $ 3.2521 | $ 5.0789 | $ 7.9220 | $ 4.2726 | $ 7.7317 | $ 12.7126 | $ 3.6287 | $ 6.5109 | $ 12.6347 |
| 82 | $ 3.9695 | $ 7.3005 | $ 10.3428 | $ 3.9715 | $ 6.5551 | $ 12.0093 | $ 3.6413 | $ 5.9095 | $ 10.9644 |
| 83 | $ 3.3998 | $ 6.2704 | $ 8.8084 | $ 2.9728 | $ 6.3777 | $ 9.2363 | $ 2.5672 | $ 5.8601 | $ 12.3447 |
| 84 | $ 3.0670 | $ 6.3331 | $ 12.3323 | $ 2.8110 | $ 5.8398 | $ 9.7172 | $ 2.8861 | $ 6.1954 | $ 10.8663 |
| 85 | $ 3.5671 | $ 7.2156 | $ 10.8477 | $ 2.6484 | $ 5.5545 | $ 8.7784 | $ 2.8251 | $ 6.2083 | $ 13.2832 |
| 86 | $ 3.5290 | $ 6.1407 | $ 10.9209 | $ 2.9547 | $ 5.9982 | $ 10.8025 | $ 2.7181 | $ 5.4718 | $ 9.2101 |
| 87 | $ 3.6716 | $ 7.3363 | $ 12.6464 | $ 4.1659 | $ 6.9384 | $ 10.0518 | $ 2.6724 | $ 6.5181 | $ 11.7837 |
| 88 | $ 2.6088 | $ 7.0901 | $ 12.6464 | $ 3.0663 | $ 7.1559 | $ 12.4214 | $ 2.7790 | $ 5.8025 | $ 12.4993 |
| 89 | $ 2.4103 | $ 5.0536 | $ 8.1254 | $ 3.6909 | $ 6.6407 | $ 9.9158 | $ 3.0550 | $ 6.4760 | $ 10.1109 |
| 90 | $ 3.5512 | $ 7.0722 | $ 10.0249 | $ 4.2153 | $ 6.7586 | $ 12.7491 | $ 2.6226 | $ 7.3986 | $ 13.1487 |
| 91 | $ 4.9880 | $ 7.1034 | $ 11.5734 | $ 2.6795 | $ 7.2043 | $ 12.0434 | $ 2.9917 | $ 6.1000 | $ 13.1154 |
| 92 | $ 3.3319 | $ 6.0899 | $ 12.5396 | $ 3.5631 | $ 6.0737 | $ 9.1926 | $ 3.5246 | $ 7.5142 | $ 13.1525 |
| 93 | $ 3.2148 | $ 6.9767 | $ 12.2102 | $ 3.2831 | $ 7.3513 | $ 12.6902 | $ 3.4853 | $ 6.4085 | $ 10.1432 |
| 94 | $ 3.9439 | $ 5.7223 | $ 12.0204 | $ 3.5294 | $ 6.8294 | $ 12.1423 | $ 3.4886 | $ 6.2815 | $ 9.3347 |
| 95 | $ 3.1270 | $ 6.3172 | $ 12.2969 | $ 2.9450 | $ 7.7186 | $ 12.4813 | $ 2.8994 | $ 6.1145 | $ 9.9872 |
| 96 | $ 2.6579 | $ 6.3205 | $ 11.2233 | $ 2.6836 | $ 6.7369 | $ 12.6904 | $ 4.2841 | $ 7.2012 | $ 10.7982 |
| 97 | $ 3.5157 | $ 5.9904 | $ 11.5299 | $ 3.5674 | $ 6.5067 | $ 10.2888 | $ 3.1474 | $ 6.6721 | $ 10.4018 |
| 98 | $ 3.3667 | $ 5.8952 | $ 9.3703 | $ 2.5921 | $ 6.7034 | $ 9.4185 | $ 2.5370 | $ 7.1510 | $ 13.1487 |
| 99 | $ 2.8405 | $ 5.5059 | $ 12.3584 | $ 2.4324 | $ 6.5682 | $ 12.3883 | $ 2.7288 | $ 5.6475 | $ 8.6180 |
| 100 | $ 3.4900 | $ 6.4081 | $ 8.7015 | $ 5.0486 | $ 7.5520 | $ 12.6902 | $ 3.1146 | $ 5.3577 | $ 8.3201 |

| | 2035 | | | 2036 | | | 2036 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 101 | $ 3.1223 | $ 6.6043 | $ 12.3584 | $ 4.0177 | $ 7.1469 | $ 12.6902 | $ 3.5959 | $ 5.6370 | $ 9.1910 |
| 102 | $ 3.8665 | $ 5.9591 | $ 10.5949 | $ 2.9649 | $ 5.5163 | $ 11.0580 | $ 3.7469 | $ 6.9245 | $ 11.5144 |
| 103 | $ 2.7822 | $ 6.7150 | $ 12.2969 | $ 4.5860 | $ 6.9588 | $ 12.4813 | $ 3.0725 | $ 6.3028 | $ 10.0866 |
| 104 | $ 2.5107 | $ 5.0703 | $ 8.2115 | $ 4.0198 | $ 6.4933 | $ 10.0843 | $ 3.0808 | $ 7.0463 | $ 11.0987 |
| 105 | $ 2.7702 | $ 6.7536 | $ 11.6890 | $ 3.0925 | $ 6.7410 | $ 11.1448 | $ 2.6226 | $ 5.8732 | $ 10.8379 |
| 106 | $ 4.1631 | $ 7.1146 | $ 12.3584 | $ 4.0085 | $ 6.3720 | $ 13.1538 | $ 3.5016 | $ 7.7285 | $ 13.1783 |
| 107 | $ 2.4103 | $ 5.5269 | $ 9.8111 | $ 2.5241 | $ 5.3991 | $ 10.8154 | $ 3.6687 | $ 7.8716 | $ 13.2438 |
| 108 | $ 4.7713 | $ 6.5691 | $ 8.1621 | $ 2.6484 | $ 5.5608 | $ 8.7083 | $ 3.3911 | $ 7.3500 | $ 12.9264 |
| 109 | $ 3.7986 | $ 6.4237 | $ 12.3584 | $ 2.5134 | $ 5.6604 | $ 8.0786 | $ 2.5618 | $ 6.7661 | $ 12.0257 |
| 110 | $ 2.8266 | $ 5.5251 | $ 12.3759 | $ 2.8914 | $ 6.1449 | $ 12.7491 | $ 2.6411 | $ 5.5094 | $ 10.5453 |
| 111 | $ 2.6088 | $ 6.4536 | $ 12.3323 | $ 2.5876 | $ 6.4901 | $ 13.1538 | $ 2.7715 | $ 6.3102 | $ 9.4827 |
| 112 | $ 2.4103 | $ 5.6385 | $ 9.0374 | $ 3.4614 | $ 5.8678 | $ 10.0740 | $ 3.6587 | $ 6.2871 | $ 11.3948 |
| 113 | $ 3.5267 | $ 5.9551 | $ 11.0100 | $ 4.6544 | $ 7.5313 | $ 11.5309 | $ 2.4914 | $ 6.1785 | $ 10.3153 |
| 114 | $ 3.3924 | $ 5.5325 | $ 11.0199 | $ 2.5921 | $ 5.1752 | $ 8.1861 | $ 3.1225 | $ 5.9829 | $ 12.3732 |
| 115 | $ 2.6545 | $ 6.3961 | $ 12.3584 | $ 3.6560 | $ 6.8397 | $ 10.3228 | $ 3.2606 | $ 6.1414 | $ 11.5389 |
| 116 | $ 2.8001 | $ 5.9044 | $ 12.3139 | $ 2.5134 | $ 6.3653 | $ 10.1851 | $ 4.6761 | $ 7.5157 | $ 10.7418 |
| 117 | $ 2.4103 | $ 4.7684 | $ 9.3709 | $ 3.3303 | $ 6.5857 | $ 9.4669 | $ 2.6635 | $ 7.3179 | $ 10.9579 |
| 118 | $ 4.2379 | $ 5.9497 | $ 11.8641 | $ 3.0845 | $ 6.4546 | $ 12.6904 | $ 2.3927 | $ 5.9256 | $ 12.9264 |
| 119 | $ 2.6464 | $ 5.3295 | $ 10.0155 | $ 3.4538 | $ 6.7632 | $ 11.1936 | $ 4.3175 | $ 6.7332 | $ 11.3501 |
| 120 | $ 3.5549 | $ 5.8340 | $ 7.6983 | $ 3.2373 | $ 5.9545 | $ 12.7852 | $ 3.0240 | $ 6.4325 | $ 11.2670 |
| 121 | $ 3.4464 | $ 6.2802 | $ 10.1531 | $ 3.1682 | $ 6.0823 | $ 11.1185 | $ 4.3178 | $ 6.6872 | $ 10.0752 |
| 122 | $ 2.4261 | $ 5.7758 | $ 12.3139 | $ 3.9534 | $ 5.9005 | $ 9.3046 | $ 3.7344 | $ 7.1887 | $ 13.2490 |
| 123 | $ 2.6051 | $ 6.0460 | $ 11.5616 | $ 2.5134 | $ 6.1389 | $ 10.7368 | $ 3.3821 | $ 6.4699 | $ 13.2490 |
| 124 | $ 2.7377 | $ 7.1101 | $ 11.5718 | $ 2.9987 | $ 7.1677 | $ 12.8662 | $ 3.2028 | $ 6.5477 | $ 10.6596 |
| 125 | $ 3.4294 | $ 6.3452 | $ 9.0705 | $ 2.9393 | $ 5.5559 | $ 12.0672 | $ 3.8484 | $ 6.7402 | $ 13.2490 |
| 126 | $ 3.1511 | $ 5.7334 | $ 11.8807 | $ 4.3199 | $ 6.3833 | $ 9.7976 | $ 2.4145 | $ 5.6786 | $ 10.1121 |
| 127 | $ 2.7125 | $ 7.5646 | $ 12.0204 | $ 3.9541 | $ 7.3682 | $ 12.7852 | $ 3.6828 | $ 6.5857 | $ 10.9779 |
| 128 | $ 2.6088 | $ 6.5386 | $ 9.6429 | $ 2.9259 | $ 6.1896 | $ 11.0200 | $ 3.9503 | $ 6.7423 | $ 12.7787 |
| 129 | $ 3.2418 | $ 6.2907 | $ 12.2383 | $ 3.0782 | $ 5.7922 | $ 8.7171 | $ 2.4582 | $ 6.6141 | $ 10.8842 |
| 130 | $ 3.5316 | $ 6.3102 | $ 8.5418 | $ 2.5134 | $ 6.7613 | $ 10.8451 | $ 2.6226 | $ 4.8147 | $ 8.1198 |
| 131 | $ 3.1657 | $ 6.6536 | $ 11.3498 | $ 3.7578 | $ 5.6312 | $ 12.7491 | $ 3.4496 | $ 5.8052 | $ 13.1783 |
| 132 | $ 3.9715 | $ 5.8455 | $ 9.5438 | $ 3.2849 | $ 6.0808 | $ 12.8559 | $ 5.2383 | $ 6.9525 | $ 10.1318 |
| 133 | $ 3.7158 | $ 6.6906 | $ 10.5720 | $ 2.9461 | $ 5.9999 | $ 10.3553 | $ 3.3031 | $ 6.1795 | $ 10.1436 |
| 134 | $ 3.7778 | $ 6.5690 | $ 12.3759 | $ 3.8197 | $ 6.7158 | $ 12.7852 | $ 3.1500 | $ 6.7453 | $ 10.7918 |
| 135 | $ 2.6302 | $ 6.7806 | $ 12.3323 | $ 3.1679 | $ 5.5616 | $ 10.5068 | $ 3.1270 | $ 5.7686 | $ 11.1873 |
| 136 | $ 3.3499 | $ 6.2972 | $ 9.9666 | $ 3.1177 | $ 5.4310 | $ 8.3758 | $ 4.2942 | $ 7.7221 | $ 13.6230 |
| 137 | $ 3.7535 | $ 6.4034 | $ 10.0359 | $ 2.4257 | $ 5.5376 | $ 12.7126 | $ 3.3557 | $ 5.3939 | $ 8.5320 |
| 138 | $ 3.3896 | $ 6.5384 | $ 12.2520 | $ 2.4968 | $ 6.8361 | $ 11.1746 | $ 3.1701 | $ 5.8701 | $ 12.8819 |
| 139 | $ 3.3677 | $ 6.8650 | $ 12.3139 | $ 2.9712 | $ 7.2608 | $ 12.4813 | $ 2.7327 | $ 6.5759 | $ 11.8244 |
| 140 | $ 3.3101 | $ 5.0172 | $ 7.2809 | $ 2.5724 | $ 6.2046 | $ 12.7831 | $ 3.5408 | $ 6.6536 | $ 11.5677 |
| 141 | $ 2.5860 | $ 5.8533 | $ 11.0089 | $ 2.9963 | $ 6.0042 | $ 10.8105 | $ 2.6951 | $ 6.9693 | $ 12.5718 |
| 142 | $ 4.6718 | $ 7.9768 | $ 12.3039 | $ 2.9843 | $ 6.4269 | $ 12.6481 | $ 4.5572 | $ 7.4260 | $ 12.3048 |
| 143 | $ 2.8763 | $ 5.9611 | $ 10.2744 | $ 2.4324 | $ 7.0287 | $ 12.6412 | $ 2.9143 | $ 5.2199 | $ 7.6796 |
| 144 | $ 4.0512 | $ 7.4899 | $ 10.9771 | $ 3.3029 | $ 6.9145 | $ 13.0468 | $ 3.5335 | $ 6.2137 | $ 12.0451 |
| 145 | $ 2.9833 | $ 5.7204 | $ 12.2520 | $ 3.1288 | $ 6.3299 | $ 10.2601 | $ 4.2262 | $ 6.9925 | $ 12.8367 |
| 146 | $ 2.7515 | $ 6.6303 | $ 10.1254 | $ 2.9544 | $ 5.2407 | $ 10.0860 | $ 3.5309 | $ 7.1772 | $ 10.1307 |
| 147 | $ 2.7621 | $ 6.4416 | $ 11.4256 | $ 4.1353 | $ 6.8636 | $ 10.9645 | $ 2.4120 | $ 5.8747 | $ 9.3497 |
| 148 | $ 3.1074 | $ 5.7808 | $ 12.2383 | $ 2.6762 | $ 6.5482 | $ 9.6328 | $ 2.6020 | $ 6.4066 | $ 10.1544 |
| 149 | $ 3.3002 | $ 6.2385 | $ 9.3532 | $ 2.9325 | $ 5.0232 | $ 6.6975 | $ 3.7754 | $ 6.9900 | $ 10.7218 |
| 150 | $ 3.9111 | $ 6.9551 | $ 11.8484 | $ 2.9114 | $ 5.8430 | $ 10.4165 | $ 3.5659 | $ 7.2114 | $ 13.1487 |

| | 2035 | | | 2036 | | | 2036 | | |
|---|---|---|---|---|---|---|---|---|---|
| Draw | Min | Average | Max | Min | Average | Max | Min | Average | Max |
| 151 | $ 3.5095 | $ 6.4162 | $ 10.4296 | $ 3.2474 | $ 5.3062 | $ 7.9140 | $ 2.4042 | $ 6.6947 | $ 13.3192 |
| 152 | $ 2.5107 | $ 4.7991 | $ 7.7274 | $ 3.6452 | $ 6.2983 | $ 9.6392 | $ 3.0711 | $ 6.1502 | $ 11.4253 |
| 153 | $ 3.7690 | $ 7.1014 | $ 9.2050 | $ 3.8826 | $ 5.8628 | $ 9.3312 | $ 3.3655 | $ 6.1707 | $ 7.7434 |
| 154 | $ 3.9256 | $ 5.8552 | $ 9.9257 | $ 3.2820 | $ 7.6803 | $ 12.8190 | $ 2.5818 | $ 7.5692 | $ 13.2490 |
| 155 | $ 3.5657 | $ 6.5910 | $ 10.4264 | $ 3.2263 | $ 6.2737 | $ 13.1538 | $ 3.0861 | $ 6.0886 | $ 9.8607 |
| 156 | $ 2.6538 | $ 6.9234 | $ 11.0805 | $ 3.4016 | $ 7.3493 | $ 13.1538 | $ 2.4042 | $ 5.7478 | $ 9.5833 |
| 157 | $ 3.5074 | $ 5.7222 | $ 7.6837 | $ 2.6618 | $ 5.9840 | $ 12.8190 | $ 3.0048 | $ 6.0838 | $ 9.8726 |
| 158 | $ 3.5562 | $ 6.5697 | $ 9.1167 | $ 2.6484 | $ 5.5481 | $ 8.1928 | $ 3.4669 | $ 7.2844 | $ 12.7603 |
| 159 | $ 2.6579 | $ 5.4149 | $ 12.3584 | $ 2.6901 | $ 6.4372 | $ 12.7852 | $ 3.2921 | $ 6.5008 | $ 13.3315 |
| 160 | $ 3.1710 | $ 5.7936 | $ 12.3323 | $ 2.4368 | $ 5.1073 | $ 8.9256 | $ 4.7723 | $ 6.6284 | $ 10.1724 |
| 161 | $ 2.6915 | $ 6.7496 | $ 11.6066 | $ 3.2146 | $ 6.5487 | $ 9.4379 | $ 2.8087 | $ 6.4332 | $ 9.1122 |
| 162 | $ 3.1966 | $ 5.4434 | $ 7.6145 | $ 2.7538 | $ 6.2098 | $ 12.8559 | $ 3.1454 | $ 6.0392 | $ 9.3900 |
| 163 | $ 3.7937 | $ 6.6162 | $ 9.2342 | $ 2.5804 | $ 5.7589 | $ 9.4407 | $ 2.6630 | $ 5.9098 | $ 13.1783 |
| 164 | $ 3.0559 | $ 6.3488 | $ 11.0593 | $ 3.0320 | $ 6.4239 | $ 9.4813 | $ 3.2544 | $ 6.5131 | $ 12.1736 |
| 165 | $ 3.0981 | $ 6.5528 | $ 12.0204 | $ 2.9487 | $ 6.8849 | $ 12.6743 | $ 3.7781 | $ 6.9301 | $ 9.7100 |
| 166 | $ 4.1283 | $ 5.8718 | $ 10.0895 | $ 3.5255 | $ 6.1926 | $ 9.8914 | $ 3.6616 | $ 7.1618 | $ 12.9264 |
| 167 | $ 3.8438 | $ 5.9659 | $ 11.3700 | $ 3.7987 | $ 6.2799 | $ 10.0717 | $ 3.3469 | $ 6.5409 | $ 9.2683 |
| 168 | $ 3.4138 | $ 6.9068 | $ 12.2102 | $ 2.8358 | $ 6.2575 | $ 9.6045 | $ 3.7931 | $ 6.5590 | $ 10.3662 |
| 169 | $ 3.9768 | $ 6.2415 | $ 8.0451 | $ 2.5740 | $ 5.9953 | $ 12.5151 | $ 3.1175 | $ 5.8353 | $ 9.0822 |
| 170 | $ 3.8566 | $ 6.4247 | $ 9.2934 | $ 2.9726 | $ 5.9445 | $ 10.9743 | $ 3.3057 | $ 6.0797 | $ 13.1525 |
| 171 | $ 3.3416 | $ 5.9014 | $ 11.3969 | $ 4.0090 | $ 7.2475 | $ 11.7380 | $ 2.7160 | $ 5.9203 | $ 11.7715 |
| 172 | $ 3.5759 | $ 6.5650 | $ 12.1790 | $ 2.4509 | $ 4.5470 | $ 9.1212 | $ 3.2483 | $ 5.8698 | $ 8.9173 |
| 173 | $ 3.1860 | $ 7.0102 | $ 11.0615 | $ 2.5722 | $ 5.4821 | $ 10.9668 | $ 2.6727 | $ 6.5942 | $ 9.8722 |
| 174 | $ 3.3908 | $ 5.7371 | $ 9.8726 | $ 3.8997 | $ 6.9437 | $ 12.7179 | $ 4.0353 | $ 7.1982 | $ 10.5004 |
| 175 | $ 2.3557 | $ 5.2379 | $ 8.4460 | $ 3.0996 | $ 6.2825 | $ 10.3355 | $ 2.6880 | $ 6.1429 | $ 12.1743 |
| 176 | $ 3.0117 | $ 6.1646 | $ 9.1068 | $ 3.4285 | $ 6.3049 | $ 12.7325 | $ 5.7119 | $ 8.4639 | $ 13.1783 |
| 177 | $ 2.6302 | $ 5.0621 | $ 7.1762 | $ 2.4451 | $ 4.9252 | $ 8.3534 | $ 2.5672 | $ 5.5362 | $ 10.3968 |
| 178 | $ 2.6088 | $ 6.3173 | $ 12.6464 | $ 2.4715 | $ 4.7271 | $ 6.6624 | $ 3.2031 | $ 6.8233 | $ 13.1716 |
| 179 | $ 4.2714 | $ 6.9410 | $ 12.2102 | $ 2.6836 | $ 5.5407 | $ 9.9861 | $ 3.2829 | $ 7.2592 | $ 13.1783 |
| 180 | $ 2.4011 | $ 5.3300 | $ 8.4240 | $ 3.4266 | $ 7.1871 | $ 12.8559 | $ 2.8560 | $ 6.3451 | $ 11.4731 |
| 181 | $ 3.5246 | $ 5.8605 | $ 9.0187 | $ 3.6514 | $ 5.8608 | $ 8.9998 | $ 2.4145 | $ 5.7699 | $ 11.3884 |
| 182 | $ 3.2662 | $ 6.3915 | $ 12.2214 | $ 3.0881 | $ 6.1830 | $ 11.1171 | $ 4.4905 | $ 7.1954 | $ 10.7871 |
| 183 | $ 2.6393 | $ 4.9228 | $ 9.5702 | $ 2.6731 | $ 7.9275 | $ 12.8662 | $ 3.0309 | $ 6.7005 | $ 11.1639 |
| 184 | $ 3.0123 | $ 5.4860 | $ 8.0161 | $ 4.1363 | $ 5.7618 | $ 7.8858 | $ 2.6226 | $ 6.0434 | $ 11.6708 |
| 185 | $ 2.6950 | $ 6.2242 | $ 9.8110 | $ 2.8908 | $ 6.4082 | $ 10.0368 | $ 2.7883 | $ 6.1818 | $ 11.5007 |
| 186 | $ 3.1473 | $ 7.0092 | $ 11.1309 | $ 4.4689 | $ 6.5672 | $ 11.2444 | $ 2.5464 | $ 7.6788 | $ 13.6230 |
| 187 | $ 2.9742 | $ 6.3763 | $ 12.3139 | $ 3.3413 | $ 6.7348 | $ 11.1726 | $ 3.3094 | $ 5.8474 | $ 13.3192 |
| 188 | $ 2.8946 | $ 5.2733 | $ 6.9509 | $ 2.8129 | $ 6.1694 | $ 12.3838 | $ 3.2333 | $ 6.4019 | $ 12.2284 |
| 189 | $ 2.4825 | $ 6.7614 | $ 12.2383 | $ 2.9041 | $ 5.5438 | $ 8.4454 | $ 3.1474 | $ 8.2073 | $ 12.9027 |
| 190 | $ 2.8192 | $ 5.1238 | $ 7.3369 | $ 2.3374 | $ 6.3101 | $ 8.6866 | $ 2.4914 | $ 7.7433 | $ 13.2438 |
| 191 | $ 2.8574 | $ 5.6095 | $ 9.6440 | $ 3.8426 | $ 6.6467 | $ 12.7831 | $ 3.0413 | $ 6.3241 | $ 13.1525 |
| 192 | $ 3.6406 | $ 6.5015 | $ 9.7406 | $ 3.1231 | $ 6.5925 | $ 12.4741 | $ 3.2796 | $ 6.1502 | $ 12.1592 |
| 193 | $ 3.4491 | $ 5.8191 | $ 10.3641 | $ 3.0232 | $ 6.0953 | $ 10.3580 | $ 2.2902 | $ 5.6049 | $ 11.1334 |
| 194 | $ 2.8508 | $ 5.4589 | $ 9.9023 | $ 4.2491 | $ 6.1928 | $ 11.2638 | $ 3.2589 | $ 7.3903 | $ 12.5624 |
| 195 | $ 2.6020 | $ 5.0843 | $ 8.7576 | $ 2.4257 | $ 5.7290 | $ 10.2155 | $ 3.1405 | $ 5.6869 | $ 8.6915 |
| 196 | $ 2.5630 | $ 4.9263 | $ 7.9579 | $ 2.6674 | $ 6.4154 | $ 11.8748 | $ 2.6271 | $ 6.3663 | $ 12.2921 |
| 197 | $ 2.5867 | $ 5.5564 | $ 11.4877 | $ 2.7575 | $ 5.8995 | $ 12.6902 | $ 3.1969 | $ 6.4006 | $ 11.3676 |
| 198 | $ 2.9392 | $ 5.6905 | $ 12.3323 | $ 2.6836 | $ 6.3267 | $ 10.8383 | $ 2.7544 | $ 6.6195 | $ 12.1074 |
| 199 | $ 3.9742 | $ 6.8088 | $ 12.3584 | $ 3.4090 | $ 6.2640 | $ 11.7137 | $ 2.5530 | $ 7.1810 | $ 13.6230 |
| 200 | $ 3.1873 | $ 5.6270 | $ 9.0088 | $ 2.6245 | $ 4.6803 | $ 7.3111 | $ 4.4606 | $ 6.3796 | $ 13.3192 |
| Min | $ 2.3557 | $ 4.6100 | $ 6.9000 | $ 2.3309 | $ 4.5470 | $ 6.6624 | $ 2.2902 | $ 4.8147 | $ 7.2376 |
| Average | $ 3.1933 | $ 6.1714 | $ 10.5439 | $ 3.2053 | $ 6.2935 | $ 10.8650 | $ 3.2057 | $ 6.3957 | $ 11.1702 |
| Max | $ 4.9880 | $ 7.9768 | $ 12.6464 | $ 5.0486 | $ 7.9275 | $ 13.1538 | $ 5.7119 | $ 8.4639 | $ 13.6230 |

# Appendix H

# Avoided Cost

# 2018 OR IRP Final

| | Fixed Transportation Costs | Variable Transportation Costs | Fixed Storage Costs | Variable Storage Costs | Commodity Cost | Distribution System Cost | Risk Premium | Carbon Adder | System Total Avoided Cost (Nominal) | System Total Avoided Cost (Real) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.0305 | 0.0017 | 0.002 | 0.00019 | 0.350944684 | 0 | 0 | 0.1 | 0.423868153 | 0.398559617 |
| 2019 | 0.1369 | 0.002541816 | 0.002 | 0.00019 | 0.399202196 | 0 | 0 | 0.1 | 0.594917414 | 0.525995093 |
| 2020 | 0.1369 | 0.002541816 | 0.002 | 0.00019 | 0.484061832 | 0 | 0 | 0.1 | 0.688263013 | 0.57219222 |
| 2021 | 0.1369 | 0.002541816 | 0.002 | 0.00019 | 0.557774211 | 0 | 0 | 0.1 | 0.76934663 | 0.601411986 |
| 2022 | 0.140130292 | 0.002601793 | 0.002047192 | 0.000194483 | 0.621542305 | 0 | 0 | 0.1 | 0.843167672 | 0.619764185 |
| 2023 | 0.140130292 | 0.002601793 | 0.002047192 | 0.000194483 | 0.693478733 | 0 | 0 | 0.1 | 0.922297743 | 0.637450081 |
| 2024 | 0.140130292 | 0.002601793 | 0.002047192 | 0.000194483 | 0.707036938 | 0 | 0 | 0.1 | 0.937211768 | 0.609081311 |
| 2025 | 0.140130292 | 0.002601793 | 0.002047192 | 0.000194483 | 0.727178832 | 0 | 0 | 0.1 | 0.959367852 | 0.586253175 |
| 2026 | 0.144648233 | 0.002685677 | 0.002113196 | 0.000200754 | 0.736982874 | 0 | 0 | 0.1 | 0.975293806 | 0.56039986 |
| 2027 | 0.144648233 | 0.002685677 | 0.002113196 | 0.000200754 | 0.756181276 | 0 | 0 | 0.1 | 0.996412049 | 0.538349146 |
| 2028 | 0.144648233 | 0.002685677 | 0.002113196 | 0.000200754 | 0.770469101 | 0 | 0 | 0.1 | 1.012128656 | 0.514189595 |
| 2029 | 0.144648233 | 0.002685677 | 0.002113196 | 0.000200754 | 0.799488816 | 0 | 0 | 0.1 | 1.044050343 | 0.498736909 |
| 2030 | 0.149928472 | 0.002783715 | 0.002190336 | 0.000208082 | 0.810386073 | 0 | 0 | 0.1 | 1.062046346 | 0.47704137 |
| 2031 | 0.149928472 | 0.002783715 | 0.002190336 | 0.000208082 | 0.827386931 | 0 | 0 | 0.1 | 1.080747289 | 0.456456332 |
| 2032 | 0.149928472 | 0.002783715 | 0.002190336 | 0.000208082 | 0.843742459 | 0 | 0 | 0.1 | 1.09873837 | 0.436346883 |
| 2033 | 0.149928472 | 0.002783715 | 0.002190336 | 0.000208082 | 0.845870177 | 0 | 0 | 0.1 | 1.10107886 | 0.411167251 |
| 2034 | 0.155630402 | 0.002889583 | 0.002273636 | 0.000215995 | 0.84721031 | 0 | 0 | 0.1 | 1.109041919 | 0.389413102 |
| 2035 | 0.155630402 | 0.002889583 | 0.002273636 | 0.000215995 | 0.862945902 | 0 | 0 | 0.1 | 1.12635107 | 0.371876624 |
| 2036 | 0.155630402 | 0.002889583 | 0.002273636 | 0.000215995 | 0.854291659 | 0 | 0 | 0.1 | 1.116831403 | 0.346717072 |
| 2037 | 0.155630402 | 0.002889583 | 0.002273636 | 0.000215995 | 0.8693556 | 0 | 0 | 0.1 | 1.133401738 | 0.330852171 |
| 2038 | 0.161603808 | 0.003000491 | 0.002360903 | 0.000224286 | 0.881992516 | 0 | 0 | 0.1 | 1.154100203 | 0.316778821 |
| 2039 | 0.161603808 | 0.003000491 | 0.002360903 | 0.000224286 | 0.902696713 | 0 | 0 | 0.1 | 1.176874821 | 0.303742384 |
| 2040 | 0.161603808 | 0.003000491 | 0.002360903 | 0.000224286 | 0.916893979 | 0 | 0 | 0.1 | 1.192491813 | 0.289396343 |
| 2041 | 0.161603808 | 0.003000491 | 0.002360903 | 0.000224286 | 0.926062919 | 0 | 0 | 0.1 | 1.202577647 | 0.274418424 |
| 2042 | 0.167806485 | 0.003115655 | 0.002451519 | 0.000232894 | 0.935323548 | 0 | 0 | 0.1 | 1.219823113 | 0.261733614 |
| 2043 | 0.167806485 | 0.003115655 | 0.002451519 | 0.000232894 | 0.944676784 | 0 | 0 | 0.1 | 1.230111672 | 0.248181662 |
| 2044 | 0.167806485 | 0.003115655 | 0.002451519 | 0.000232894 | 0.954123552 | 0 | 0 | 0.1 | 1.240503117 | 0.235334454 |
| 2045 | 0.167806485 | 0.003115655 | 0.002451519 | 0.000232894 | 0.963664787 | 0 | 0 | 0.1 | 1.250998476 | 0.223155164 |
| 2046 | 0.174247234 | 0.003235241 | 0.002545613 | 0.000241833 | 0.973301435 | 0 | 0 | 0.1 | 1.268928492 | 0.212838317 |
| 2047 | 0.174247234 | 0.003235241 | 0.002545613 | 0.000241833 | 0.983034449 | 0 | 0 | 0.1 | 1.279634808 | 0.201818613 |
| 2048 | 0.174247234 | 0.003235241 | 0.002545613 | 0.000241833 | 0.992864794 | 0 | 0 | 0.1 | 1.290448186 | 0.191371936 |
| 2049 | 0.174247234 | 0.003235241 | 0.002545613 | 0.000241833 | 1.002793442 | 0 | 0 | 0.1 | 1.301369699 | 0.181468343 |
| 2050 | 0.180935191 | 0.003359416 | 0.002643319 | 0.000251115 | 1.012821376 | 0 | 0 | 0.1 | 1.320011459 | 0.173077412 |
| 2051 | 0.180935191 | 0.003359416 | 0.002643319 | 0.000251115 | 1.02294959 | 0 | 0 | 0.1 | 1.331152494 | 0.164116787 |
| 2052 | 0.180935191 | 0.003359416 | 0.002643319 | 0.000251115 | 1.033179086 | 0 | 0 | 0.1 | 1.34240494 | 0.15562209 |
| 2053 | 0.180935191 | 0.003359416 | 0.002643319 | 0.000251115 | 1.043510877 | 0 | 0 | 0.1 | 1.35376991 | 0.147568976 |
| 2054 | 0.187879846 | 0.003488357 | 0.002744775 | 0.000260754 | 1.053945985 | 0 | 0 | 0.1 | 1.373151688 | 0.140744434 |
| 2055 | 0.187879846 | 0.003488357 | 0.002744775 | 0.000260754 | 1.064485445 | 0 | 0 | 0.1 | 1.384745094 | 0.133458136 |
| 2056 | 0.187879846 | 0.003488357 | 0.002744775 | 0.000260754 | 1.0751303 | 0 | 0 | 0.1 | 1.396454434 | 0.126550683 |
| 2057 | 0.187879846 | 0.003488357 | 0.002744775 | 0.000260754 | 1.085881603 | 0 | 0 | 0.1 | 1.408280867 | 0.120002283 |
| 2058 | 0.19509105 | 0.003622247 | 0.002850125 | 0.000270762 | 1.096740419 | 0 | 0 | 0.1 | 1.428432063 | 0.114451721 |
| 2059 | 0.19509105 | 0.003622247 | 0.002850125 | 0.000270762 | 1.107707823 | 0 | 0 | 0.1 | 1.440496207 | 0.108526891 |
| 2060 | 0.19509105 | 0.003622247 | 0.002850125 | 0.000270762 | 1.118784901 | 0 | 0 | 0.1 | 1.452680993 | 0.1029101 |
| 2061 | 0.19509105 | 0.003622247 | 0.002850125 | 0.000270762 | 1.12997275 | 0 | 0 | 0.1 | 1.464987627 | 0.097585257 |
| 2062 | 0.202579035 | 0.003761276 | 0.002959518 | 0.000281154 | 1.141272478 | 0 | 0 | 0.1 | 1.485938807 | 0.093070851 |
| 2063 | 0.202579035 | 0.003761276 | 0.002959518 | 0.000281154 | 1.152685202 | 0 | 0 | 0.1 | 1.498492804 | 0.088253091 |

Discount Rate 0.0635

| | Fixed Transportation Costs | Variable Transportation Costs | Fixed Storage Costs | Variable Storage Costs | Commodity Cost | Distribution System Cost | Risk Premium | Carbon Adder | Zone 1 Total Avoided Cost (Nominal) | Zone 1 Total Avoided Cost (Real) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.039249 | 0.003 | 0.002 | 0.00019 | 0.350944684 | 0 | 0 | 0.1 | 0.434922053 | 0.408953505 |
| 2019 | 0.061165 | 0.003 | 0.002 | 0.00019 | 0.399202196 | 0 | 0 | 0.1 | 0.512112916 | 0.452783655 |
| 2020 | 0.061165 | 0.003 | 0.002 | 0.00019 | 0.484061832 | 0 | 0 | 0.1 | 0.605458515 | 0.503352128 |
| 2021 | 0.061165 | 0.003 | 0.002 | 0.00019 | 0.557774211 | 0 | 0 | 0.1 | 0.686542132 | 0.536682233 |
| 2022 | 0.062608249 | 0.003070788 | 0.002047192 | 0.000194483 | 0.621542305 | 0 | 0 | 0.1 | 0.758409319 | 0.557463182 |
| 2023 | 0.062608249 | 0.003070788 | 0.002047192 | 0.000194483 | 0.693478733 | 0 | 0 | 0.1 | 0.83753939 | 0.578868978 |
| 2024 | 0.062608249 | 0.003070788 | 0.002047192 | 0.000194483 | 0.707036938 | 0 | 0 | 0.1 | 0.852453416 | 0.553997998 |
| 2025 | 0.062608249 | 0.003070788 | 0.002047192 | 0.000194483 | 0.727178832 | 0 | 0 | 0.1 | 0.874609499 | 0.534458805 |
| 2026 | 0.064626802 | 0.003169793 | 0.002113196 | 0.000200754 | 0.736982874 | 0 | 0 | 0.1 | 0.88780276 | 0.51012786 |
| 2027 | 0.064626802 | 0.003169793 | 0.002113196 | 0.000200754 | 0.756181276 | 0 | 0 | 0.1 | 0.908921002 | 0.491078812 |
| 2028 | 0.064626802 | 0.003169793 | 0.002113196 | 0.000200754 | 0.770469101 | 0 | 0 | 0.1 | 0.924637609 | 0.469741703 |
| 2029 | 0.064626802 | 0.003169793 | 0.002113196 | 0.000200754 | 0.799488816 | 0 | 0 | 0.1 | 0.956559296 | 0.456942934 |
| 2030 | 0.066985939 | 0.003285503 | 0.002190336 | 0.000208082 | 0.810386073 | 0 | 0 | 0.1 | 0.971361526 | 0.436308298 |
| 2031 | 0.066985939 | 0.003285503 | 0.002190336 | 0.000208082 | 0.827386931 | 0 | 0 | 0.1 | 0.990062469 | 0.41815537 |
| 2032 | 0.066985939 | 0.003285503 | 0.002190336 | 0.000208082 | 0.843742459 | 0 | 0 | 0.1 | 1.00805355 | 0.400332815 |
| 2033 | 0.066985939 | 0.003285503 | 0.002190336 | 0.000208082 | 0.845870177 | 0 | 0 | 0.1 | 1.01039404 | 0.37730353 |
| 2034 | 0.069533481 | 0.003410454 | 0.002273636 | 0.000215995 | 0.84721031 | 0 | 0 | 0.1 | 1.014908265 | 0.356360359 |
| 2035 | 0.069533481 | 0.003410454 | 0.002273636 | 0.000215995 | 0.862945902 | 0 | 0 | 0.1 | 1.032217415 | 0.34079741 |
| 2036 | 0.069533481 | 0.003410454 | 0.002273636 | 0.000215995 | 0.854291659 | 0 | 0 | 0.1 | 1.022697749 | 0.317493552 |
| 2037 | 0.069533481 | 0.003410454 | 0.002273636 | 0.000215995 | 0.8693556 | 0 | 0 | 0.1 | 1.039268083 | 0.303373544 |
| 2038 | 0.072202315 | 0.003541354 | 0.002360903 | 0.000224286 | 0.881992516 | 0 | 0 | 0.1 | 1.056353511 | 0.289949191 |
| 2039 | 0.072202315 | 0.003541354 | 0.002360903 | 0.000224286 | 0.902696713 | 0 | 0 | 0.1 | 1.079128129 | 0.278514711 |
| 2040 | 0.072202315 | 0.003541354 | 0.002360903 | 0.000224286 | 0.916893979 | 0 | 0 | 0.1 | 1.094745121 | 0.265674977 |
| 2041 | 0.072202315 | 0.003541354 | 0.002360903 | 0.000224286 | 0.926062919 | 0 | 0 | 0.1 | 1.104830955 | 0.252113425 |
| 2042 | 0.074973584 | 0.003677279 | 0.002451519 | 0.000232894 | 0.935323548 | 0 | 0 | 0.1 | 1.118324707 | 0.23995542 |
| 2043 | 0.074973584 | 0.003677279 | 0.002451519 | 0.000232894 | 0.944676784 | 0 | 0 | 0.1 | 1.128613266 | 0.227703812 |
| 2044 | 0.074973584 | 0.003677279 | 0.002451519 | 0.000232894 | 0.954123552 | 0 | 0 | 0.1 | 1.139004711 | 0.216079306 |
| 2045 | 0.074973584 | 0.003677279 | 0.002451519 | 0.000232894 | 0.963664787 | 0 | 0 | 0.1 | 1.14950007 | 0.205049712 |
| 2046 | 0.07785122 | 0.00381842 | 0.002545613 | 0.000241833 | 0.973301435 | 0 | 0 | 0.1 | 1.163534374 | 0.195160483 |
| 2047 | 0.07785122 | 0.00381842 | 0.002545613 | 0.000241833 | 0.983034449 | 0 | 0 | 0.1 | 1.17424069 | 0.185196297 |
| 2048 | 0.07785122 | 0.00381842 | 0.002545613 | 0.000241833 | 0.992864794 | 0 | 0 | 0.1 | 1.185054069 | 0.175742113 |
| 2049 | 0.07785122 | 0.00381842 | 0.002545613 | 0.000241833 | 1.002793442 | 0 | 0 | 0.1 | 1.195975582 | 0.166771754 |
| 2050 | 0.080839306 | 0.003964979 | 0.002643319 | 0.000251115 | 1.012821376 | 0 | 0 | 0.1 | 1.210572105 | 0.15872793 |
| 2051 | 0.080839306 | 0.003964979 | 0.002643319 | 0.000251115 | 1.02294959 | 0 | 0 | 0.1 | 1.22171314 | 0.150624092 |
| 2052 | 0.080839306 | 0.003964979 | 0.002643319 | 0.000251115 | 1.033179086 | 0 | 0 | 0.1 | 1.232965585 | 0.142935023 |
| 2053 | 0.080839306 | 0.003964979 | 0.002643319 | 0.000251115 | 1.043510877 | 0 | 0 | 0.1 | 1.244330555 | 0.135639435 |
| 2054 | 0.08394208 | 0.004117162 | 0.002744775 | 0.000260754 | 1.053945985 | 0 | 0 | 0.1 | 1.259511832 | 0.129096648 |
| 2055 | 0.08394208 | 0.004117162 | 0.002744775 | 0.000260754 | 1.064485445 | 0 | 0 | 0.1 | 1.271105238 | 0.122505822 |
| 2056 | 0.08394208 | 0.004117162 | 0.002744775 | 0.000260754 | 1.0751303 | 0 | 0 | 0.1 | 1.282814578 | 0.116252315 |
| 2057 | 0.08394208 | 0.004117162 | 0.002744775 | 0.000260754 | 1.085881603 | 0 | 0 | 0.1 | 1.294641011 | 0.110318816 |
| 2058 | 0.087163945 | 0.004275187 | 0.002850125 | 0.000270762 | 1.096740419 | 0 | 0 | 0.1 | 1.310430482 | 0.104996959 |
| 2059 | 0.087163945 | 0.004275187 | 0.002850125 | 0.000270762 | 1.107707823 | 0 | 0 | 0.1 | 1.322494626 | 0.099636659 |
| 2060 | 0.087163945 | 0.004275187 | 0.002850125 | 0.000270762 | 1.118784901 | 0 | 0 | 0.1 | 1.334679412 | 0.094550691 |
| 2061 | 0.087163945 | 0.004275187 | 0.002850125 | 0.000270762 | 1.12997275 | 0 | 0 | 0.1 | 1.346986046 | 0.089724976 |
| 2062 | 0.090509472 | 0.004439278 | 0.002959518 | 0.000281154 | 1.141272478 | 0 | 0 | 0.1 | 1.363408089 | 0.085396216 |
| 2063 | 0.090509472 | 0.004439278 | 0.002959518 | 0.000281154 | 1.152685202 | 0 | 0 | 0.1 | 1.375962087 | 0.081036697 |

Discount Rate 0.0635

| | Fixed Transportation Costs | Variable Transportation Costs | Fixed Storage Costs | Variable Storage Costs | Commodity Cost | Distribution System Cost | Risk Premium | Carbon Adder | Zone 2 Total Avoided Cost (Nominal) | Zone 2 Total Avoided Cost (Real) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.039249 | 0.003 | 0.002 | 0.00019 | 0.350944684 | 0 | 0 | 0.1 | 0.434922053 | 0.408953505 |
| 2019 | 0.074 | 0.003 | 0.002 | 0.00019 | 0.399202196 | 0 | 0 | 0.1 | 0.526231416 | 0.4652665 |
| 2020 | 0.074 | 0.003 | 0.002 | 0.00019 | 0.484061832 | 0 | 0 | 0.1 | 0.619577015 | 0.515089641 |
| 2021 | 0.074 | 0.003 | 0.002 | 0.00019 | 0.557774211 | 0 | 0 | 0.1 | 0.700660632 | 0.547718916 |
| 2022 | 0.075746104 | 0.003070788 | 0.002047192 | 0.000194483 | 0.621542305 | 0 | 0 | 0.1 | 0.772860959 | 0.568085754 |
| 2023 | 0.075746104 | 0.003070788 | 0.002047192 | 0.000194483 | 0.693478733 | 0 | 0 | 0.1 | 0.85199103 | 0.588857292 |
| 2024 | 0.075746104 | 0.003070788 | 0.002047192 | 0.000194483 | 0.707036938 | 0 | 0 | 0.1 | 0.866905056 | 0.563389925 |
| 2025 | 0.075746104 | 0.003070788 | 0.002047192 | 0.000194483 | 0.727178832 | 0 | 0 | 0.1 | 0.88906114 | 0.543289953 |
| 2026 | 0.078188234 | 0.003169793 | 0.002113196 | 0.000200754 | 0.736982874 | 0 | 0 | 0.1 | 0.902720335 | 0.518699438 |
| 2027 | 0.078188234 | 0.003169793 | 0.002113196 | 0.000200754 | 0.756181276 | 0 | 0 | 0.1 | 0.923838578 | 0.499138594 |
| 2028 | 0.078188234 | 0.003169793 | 0.002113196 | 0.000200754 | 0.770469101 | 0 | 0 | 0.1 | 0.939555185 | 0.477320247 |
| 2029 | 0.078188234 | 0.003169793 | 0.002113196 | 0.000200754 | 0.799488816 | 0 | 0 | 0.1 | 0.971476871 | 0.464068975 |
| 2030 | 0.081042417 | 0.003285503 | 0.002190336 | 0.000208082 | 0.810386073 | 0 | 0 | 0.1 | 0.986823652 | 0.44325345 |
| 2031 | 0.081042417 | 0.003285503 | 0.002190336 | 0.000208082 | 0.827386931 | 0 | 0 | 0.1 | 1.005524596 | 0.424685838 |
| 2032 | 0.081042417 | 0.003285503 | 0.002190336 | 0.000208082 | 0.843742459 | 0 | 0 | 0.1 | 1.023515677 | 0.406473358 |
| 2033 | 0.081042417 | 0.003285503 | 0.002190336 | 0.000208082 | 0.845870177 | 0 | 0 | 0.1 | 1.025856167 | 0.38307743 |
| 2034 | 0.084124542 | 0.003410454 | 0.002273636 | 0.000215995 | 0.84721031 | 0 | 0 | 0.1 | 1.030958432 | 0.361995984 |
| 2035 | 0.084124542 | 0.003410454 | 0.002273636 | 0.000215995 | 0.862945902 | 0 | 0 | 0.1 | 1.048267582 | 0.346096541 |
| 2036 | 0.084124542 | 0.003410454 | 0.002273636 | 0.000215995 | 0.854291659 | 0 | 0 | 0.1 | 1.038747915 | 0.32247628 |
| 2037 | 0.084124542 | 0.003410454 | 0.002273636 | 0.000215995 | 0.8693556 | 0 | 0 | 0.1 | 1.05531825 | 0.308058761 |
| 2038 | 0.08735341 | 0.003541354 | 0.002360903 | 0.000224286 | 0.881992516 | 0 | 0 | 0.1 | 1.073019715 | 0.294523751 |
| 2039 | 0.08735341 | 0.003541354 | 0.002360903 | 0.000224286 | 0.902696713 | 0 | 0 | 0.1 | 1.095794333 | 0.282816131 |
| 2040 | 0.08735341 | 0.003541354 | 0.002360903 | 0.000224286 | 0.916893979 | 0 | 0 | 0.1 | 1.111411325 | 0.269719565 |
| 2041 | 0.08735341 | 0.003541354 | 0.002360903 | 0.000224286 | 0.926062919 | 0 | 0 | 0.1 | 1.121497159 | 0.255916517 |
| 2042 | 0.090706208 | 0.003677279 | 0.002451519 | 0.000232894 | 0.935323548 | 0 | 0 | 0.1 | 1.135630594 | 0.24366869 |
| 2043 | 0.090706208 | 0.003677279 | 0.002451519 | 0.000232894 | 0.944676784 | 0 | 0 | 0.1 | 1.145919153 | 0.231195368 |
| 2044 | 0.090706208 | 0.003677279 | 0.002451519 | 0.000232894 | 0.954123552 | 0 | 0 | 0.1 | 1.156310597 | 0.219362386 |
| 2045 | 0.090706208 | 0.003677279 | 0.002451519 | 0.000232894 | 0.963664787 | 0 | 0 | 0.1 | 1.166805956 | 0.208136764 |
| 2046 | 0.094187694 | 0.00381842 | 0.002545613 | 0.000241833 | 0.973301435 | 0 | 0 | 0.1 | 1.181504495 | 0.198174625 |
| 2047 | 0.094187694 | 0.00381842 | 0.002545613 | 0.000241833 | 0.983034449 | 0 | 0 | 0.1 | 1.192210811 | 0.188030469 |
| 2048 | 0.094187694 | 0.00381842 | 0.002545613 | 0.000241833 | 0.992864794 | 0 | 0 | 0.1 | 1.20302419 | 0.178407061 |
| 2049 | 0.094187694 | 0.00381842 | 0.002545613 | 0.000241833 | 1.002793442 | 0 | 0 | 0.1 | 1.213945703 | 0.169277582 |
| 2050 | 0.097802806 | 0.003964979 | 0.002643319 | 0.000251115 | 1.012821376 | 0 | 0 | 0.1 | 1.229231955 | 0.161174574 |
| 2051 | 0.097802806 | 0.003964979 | 0.002643319 | 0.000251115 | 1.02294959 | 0 | 0 | 0.1 | 1.24037299 | 0.15292465 |
| 2052 | 0.097802806 | 0.003964979 | 0.002643319 | 0.000251115 | 1.033179086 | 0 | 0 | 0.1 | 1.251625435 | 0.145098219 |
| 2053 | 0.097802806 | 0.003964979 | 0.002643319 | 0.000251115 | 1.043510877 | 0 | 0 | 0.1 | 1.262990405 | 0.13767347 |
| 2054 | 0.101556673 | 0.004117162 | 0.002744775 | 0.000260754 | 1.053945985 | 0 | 0 | 0.1 | 1.278887885 | 0.131082642 |
| 2055 | 0.101556673 | 0.004117162 | 0.002744775 | 0.000260754 | 1.064485445 | 0 | 0 | 0.1 | 1.290481291 | 0.124373235 |
| 2056 | 0.101556673 | 0.004117162 | 0.002744775 | 0.000260754 | 1.0751303 | 0 | 0 | 0.1 | 1.302190631 | 0.118008228 |
| 2057 | 0.101556673 | 0.004117162 | 0.002744775 | 0.000260754 | 1.085881603 | 0 | 0 | 0.1 | 1.314017064 | 0.111969886 |
| 2058 | 0.105454622 | 0.004275187 | 0.002850125 | 0.000270762 | 1.096740419 | 0 | 0 | 0.1 | 1.330550226 | 0.106609034 |
| 2059 | 0.105454622 | 0.004275187 | 0.002850125 | 0.000270762 | 1.107707823 | 0 | 0 | 0.1 | 1.342614371 | 0.10115248 |
| 2060 | 0.105454622 | 0.004275187 | 0.002850125 | 0.000270762 | 1.118784901 | 0 | 0 | 0.1 | 1.354799157 | 0.095976004 |
| 2061 | 0.105454622 | 0.004275187 | 0.002850125 | 0.000270762 | 1.12997275 | 0 | 0 | 0.1 | 1.367105791 | 0.091065185 |
| 2062 | 0.109502181 | 0.004439278 | 0.002959518 | 0.000281154 | 1.141272478 | 0 | 0 | 0.1 | 1.38430007 | 0.086704772 |
| 2063 | 0.109502181 | 0.004439278 | 0.002959518 | 0.000281154 | 1.152685202 | 0 | 0 | 0.1 | 1.396854067 | 0.082267121 |

Discount Rate 0.0635

| | Fixed Transportation Costs | Variable Transportation Costs | Fixed Storage Costs | Variable Storage Costs | Commodity Cost | Distribution System Cost | Risk Premium | Carbon Adder | Zone 3 Total Avoided Cost (Nominal) | Zone 3 Total Avoided Cost (Real) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.039249 | 0.003 | 0.002 | 0.00019 | 0.350944684 | 0 | 0 | 0.1 | 0.434922053 | 0.408953505 |
| 2019 | 0.196 | 0.003 | 0.002 | 0.00019 | 0.399202196 | 0 | 0 | 0.1 | 0.660431416 | 0.583919173 |
| 2020 | 0.196 | 0.003 | 0.002 | 0.00019 | 0.484061832 | 0 | 0 | 0.1 | 0.753777015 | 0.62665774 |
| 2021 | 0.196 | 0.003 | 0.002 | 0.00019 | 0.557774211 | 0 | 0 | 0.1 | 0.834860632 | 0.65262545 |
| 2022 | 0.200624816 | 0.003070788 | 0.002047192 | 0.000194483 | 0.621542305 | 0 | 0 | 0.1 | 0.910227542 | 0.669056049 |
| 2023 | 0.200624816 | 0.003070788 | 0.002047192 | 0.000194483 | 0.693478733 | 0 | 0 | 0.1 | 0.989357614 | 0.683798801 |
| 2024 | 0.200624816 | 0.003070788 | 0.002047192 | 0.000194483 | 0.707036938 | 0 | 0 | 0.1 | 1.004271639 | 0.652662618 |
| 2025 | 0.200624816 | 0.003070788 | 0.002047192 | 0.000194483 | 0.727178832 | 0 | 0 | 0.1 | 1.026427723 | 0.627232307 |
| 2026 | 0.207093161 | 0.003169793 | 0.002113196 | 0.000200754 | 0.736982874 | 0 | 0 | 0.1 | 1.044515754 | 0.60017451 |
| 2027 | 0.207093161 | 0.003169793 | 0.002113196 | 0.000200754 | 0.756181276 | 0 | 0 | 0.1 | 1.065633997 | 0.575748911 |
| 2028 | 0.207093161 | 0.003169793 | 0.002113196 | 0.000200754 | 0.770469101 | 0 | 0 | 0.1 | 1.081350604 | 0.549356276 |
| 2029 | 0.207093161 | 0.003169793 | 0.002113196 | 0.000200754 | 0.799488816 | 0 | 0 | 0.1 | 1.11327229 | 0.53180384 |
| 2030 | 0.214652889 | 0.003285503 | 0.002190336 | 0.000208082 | 0.810386073 | 0 | 0 | 0.1 | 1.133795171 | 0.509268926 |
| 2031 | 0.214652889 | 0.003285503 | 0.002190336 | 0.000208082 | 0.827386931 | 0 | 0 | 0.1 | 1.152496115 | 0.486759628 |
| 2032 | 0.214652889 | 0.003285503 | 0.002190336 | 0.000208082 | 0.843742459 | 0 | 0 | 0.1 | 1.170487196 | 0.464840815 |
| 2033 | 0.214652889 | 0.003285503 | 0.002190336 | 0.000208082 | 0.845870177 | 0 | 0 | 0.1 | 1.172827686 | 0.437959853 |
| 2034 | 0.222816353 | 0.003410454 | 0.002273636 | 0.000215995 | 0.84721031 | 0 | 0 | 0.1 | 1.183519425 | 0.415564067 |
| 2035 | 0.222816353 | 0.003410454 | 0.002273636 | 0.000215995 | 0.862945902 | 0 | 0 | 0.1 | 1.200828575 | 0.396466154 |
| 2036 | 0.222816353 | 0.003410454 | 0.002273636 | 0.000215995 | 0.854291659 | 0 | 0 | 0.1 | 1.191308908 | 0.369838398 |
| 2037 | 0.222816353 | 0.003410454 | 0.002273636 | 0.000215995 | 0.8693556 | 0 | 0 | 0.1 | 1.207879243 | 0.352592957 |
| 2038 | 0.231368491 | 0.003541354 | 0.002360903 | 0.000224286 | 0.881992516 | 0 | 0 | 0.1 | 1.231436305 | 0.338006128 |
| 2039 | 0.231368491 | 0.003541354 | 0.002360903 | 0.000224286 | 0.902696713 | 0 | 0 | 0.1 | 1.254210922 | 0.32370224 |
| 2040 | 0.231368491 | 0.003541354 | 0.002360903 | 0.000224286 | 0.916893979 | 0 | 0 | 0.1 | 1.269827915 | 0.308164426 |
| 2041 | 0.231368491 | 0.003541354 | 0.002360903 | 0.000224286 | 0.926062919 | 0 | 0 | 0.1 | 1.279913748 | 0.292065892 |
| 2042 | 0.240248876 | 0.003677279 | 0.002451519 | 0.000232894 | 0.935323548 | 0 | 0 | 0.1 | 1.300127528 | 0.27896428 |
| 2043 | 0.240248876 | 0.003677279 | 0.002451519 | 0.000232894 | 0.944676784 | 0 | 0 | 0.1 | 1.310416087 | 0.264383511 |
| 2044 | 0.240248876 | 0.003677279 | 0.002451519 | 0.000232894 | 0.954123552 | 0 | 0 | 0.1 | 1.320807532 | 0.250568915 |
| 2045 | 0.240248876 | 0.003677279 | 0.002451519 | 0.000232894 | 0.963664787 | 0 | 0 | 0.1 | 1.331302891 | 0.237479998 |
| 2046 | 0.249470109 | 0.00381842 | 0.002545613 | 0.000241833 | 0.973301435 | 0 | 0 | 0.1 | 1.352315151 | 0.226824823 |
| 2047 | 0.249470109 | 0.00381842 | 0.002545613 | 0.000241833 | 0.983034449 | 0 | 0 | 0.1 | 1.363021467 | 0.214970006 |
| 2048 | 0.249470109 | 0.00381842 | 0.002545613 | 0.000241833 | 0.992864794 | 0 | 0 | 0.1 | 1.373834846 | 0.203738079 |
| 2049 | 0.249470109 | 0.00381842 | 0.002545613 | 0.000241833 | 1.002793442 | 0 | 0 | 0.1 | 1.384756359 | 0.193096122 |
| 2050 | 0.25904527 | 0.003964979 | 0.002643319 | 0.000251115 | 1.012821376 | 0 | 0 | 0.1 | 1.406598665 | 0.184430563 |
| 2051 | 0.25904527 | 0.003964979 | 0.002643319 | 0.000251115 | 1.02294959 | 0 | 0 | 0.1 | 1.4177397 | 0.174792058 |
| 2052 | 0.25904527 | 0.003964979 | 0.002643319 | 0.000251115 | 1.033179086 | 0 | 0 | 0.1 | 1.428992146 | 0.165659957 |
| 2053 | 0.25904527 | 0.003964979 | 0.002643319 | 0.000251115 | 1.043510877 | 0 | 0 | 0.1 | 1.440357116 | 0.157007497 |
| 2054 | 0.268987946 | 0.004117162 | 0.002744775 | 0.000260754 | 1.053945985 | 0 | 0 | 0.1 | 1.463062284 | 0.149960033 |
| 2055 | 0.268987946 | 0.004117162 | 0.002744775 | 0.000260754 | 1.064485445 | 0 | 0 | 0.1 | 1.47465569 | 0.142123486 |
| 2056 | 0.268987946 | 0.004117162 | 0.002744775 | 0.000260754 | 1.0751303 | 0 | 0 | 0.1 | 1.48636503 | 0.134698638 |
| 2057 | 0.268987946 | 0.004117162 | 0.002744775 | 0.000260754 | 1.085881603 | 0 | 0 | 0.1 | 1.498191463 | 0.127663736 |
| 2058 | 0.279312241 | 0.004275187 | 0.002850125 | 0.000270762 | 1.096740419 | 0 | 0 | 0.1 | 1.521793607 | 0.121932223 |
| 2059 | 0.279312241 | 0.004275187 | 0.002850125 | 0.000270762 | 1.107707823 | 0 | 0 | 0.1 | 1.533857752 | 0.115560744 |
| 2060 | 0.279312241 | 0.004275187 | 0.002850125 | 0.000270762 | 1.118784901 | 0 | 0 | 0.1 | 1.546042538 | 0.109523972 |
| 2061 | 0.279312241 | 0.004275187 | 0.002850125 | 0.000270762 | 1.12997275 | 0 | 0 | 0.1 | 1.558349172 | 0.103804224 |
| 2062 | 0.290032804 | 0.004439278 | 0.002959518 | 0.000281154 | 1.141272478 | 0 | 0 | 0.1 | 1.582883755 | 0.099142937 |
| 2063 | 0.290032804 | 0.004439278 | 0.002959518 | 0.000281154 | 1.152685202 | 0 | 0 | 0.1 | 1.595437752 | 0.093962622 |

Discount Rate 0.0635

| | Fixed Transportation Costs | Variable Transportation Costs | Fixed Storage Costs | Variable Storage Costs | Commodity Cost | Distribution System Cost | Risk Premium | Carbon Adder | Zone 4 Total Avoided Cost (Nominal) | Zone 4 Total Avoided Cost (Real) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 0.0279 | 0.00117 | 0.002 | 0.00019 | 0.350944684 | 0 | 0 | 0.1 | 0.420425153 | 0.395322193 |
| 2019 | 0.04833 | 0.00185 | 0.002 | 0.00019 | 0.399202196 | 0 | 0 | 0.1 | 0.496729416 | 0.439182363 |
| 2020 | 0.04833 | 0.00185 | 0.002 | 0.00019 | 0.484061832 | 0 | 0 | 0.1 | 0.590075015 | 0.490562949 |
| 2021 | 0.04833 | 0.00185 | 0.002 | 0.00019 | 0.557774211 | 0 | 0 | 0.1 | 0.671158632 | 0.524656676 |
| 2022 | 0.049470395 | 0.001893653 | 0.002047192 | 0.000194483 | 0.621542305 | 0 | 0 | 0.1 | 0.74266283 | 0.545888841 |
| 2023 | 0.049470395 | 0.001893653 | 0.002047192 | 0.000194483 | 0.693478733 | 0 | 0 | 0.1 | 0.821792901 | 0.567985724 |
| 2024 | 0.049470395 | 0.001893653 | 0.002047192 | 0.000194483 | 0.707036938 | 0 | 0 | 0.1 | 0.836706927 | 0.543764567 |
| 2025 | 0.049470395 | 0.001893653 | 0.002047192 | 0.000194483 | 0.727178832 | 0 | 0 | 0.1 | 0.85886301 | 0.524836396 |
| 2026 | 0.05106537 | 0.001954706 | 0.002113196 | 0.000200754 | 0.736982874 | 0 | 0 | 0.1 | 0.871548588 | 0.500788279 |
| 2027 | 0.05106537 | 0.001954706 | 0.002113196 | 0.000200754 | 0.756181276 | 0 | 0 | 0.1 | 0.892666831 | 0.482296883 |
| 2028 | 0.05106537 | 0.001954706 | 0.002113196 | 0.000200754 | 0.770469101 | 0 | 0 | 0.1 | 0.908383438 | 0.46148413 |
| 2029 | 0.05106537 | 0.001954706 | 0.002113196 | 0.000200754 | 0.799488816 | 0 | 0 | 0.1 | 0.940305124 | 0.449178408 |
| 2030 | 0.05292946 | 0.00202606 | 0.002190336 | 0.000208082 | 0.810386073 | 0 | 0 | 0.1 | 0.954514012 | 0.428740868 |
| 2031 | 0.05292946 | 0.00202606 | 0.002190336 | 0.000208082 | 0.827386931 | 0 | 0 | 0.1 | 0.973214956 | 0.41103978 |
| 2032 | 0.05292946 | 0.00202606 | 0.002190336 | 0.000208082 | 0.843742459 | 0 | 0 | 0.1 | 0.991206036 | 0.393642086 |
| 2033 | 0.05292946 | 0.00202606 | 0.002190336 | 0.000208082 | 0.845870177 | 0 | 0 | 0.1 | 0.993546526 | 0.371012294 |
| 2034 | 0.05494242 | 0.002103114 | 0.002273636 | 0.000215995 | 0.84721031 | 0 | 0 | 0.1 | 0.997420023 | 0.350219788 |
| 2035 | 0.05494242 | 0.002103114 | 0.002273636 | 0.000215995 | 0.862945902 | 0 | 0 | 0.1 | 1.014729174 | 0.335023484 |
| 2036 | 0.05494242 | 0.002103114 | 0.002273636 | 0.000215995 | 0.854291659 | 0 | 0 | 0.1 | 1.005209507 | 0.312064378 |
| 2037 | 0.05494242 | 0.002103114 | 0.002273636 | 0.000215995 | 0.8693556 | 0 | 0 | 0.1 | 1.021779842 | 0.298268538 |
| 2038 | 0.05705122 | 0.002183835 | 0.002360903 | 0.000224286 | 0.881992516 | 0 | 0 | 0.1 | 1.038194036 | 0.284964756 |
| 2039 | 0.05705122 | 0.002183835 | 0.002360903 | 0.000224286 | 0.902696713 | 0 | 0 | 0.1 | 1.060968653 | 0.27382789 |
| 2040 | 0.05705122 | 0.002183835 | 0.002360903 | 0.000224286 | 0.916893979 | 0 | 0 | 0.1 | 1.076585646 | 0.261267998 |
| 2041 | 0.05705122 | 0.002183835 | 0.002360903 | 0.000224286 | 0.926062919 | 0 | 0 | 0.1 | 1.08667148 | 0.24796958 |
| 2042 | 0.05924096 | 0.002267655 | 0.002451519 | 0.000232894 | 0.935323548 | 0 | 0 | 0.1 | 1.099468235 | 0.235909446 |
| 2043 | 0.05924096 | 0.002267655 | 0.002451519 | 0.000232894 | 0.944676784 | 0 | 0 | 0.1 | 1.109756794 | 0.223899417 |
| 2044 | 0.05924096 | 0.002267655 | 0.002451519 | 0.000232894 | 0.954123552 | 0 | 0 | 0.1 | 1.120148238 | 0.212502066 |
| 2045 | 0.05924096 | 0.002267655 | 0.002451519 | 0.000232894 | 0.963664787 | 0 | 0 | 0.1 | 1.130643597 | 0.201686063 |
| 2046 | 0.061514747 | 0.002354692 | 0.002545613 | 0.000241833 | 0.973301435 | 0 | 0 | 0.1 | 1.143954153 | 0.191876278 |
| 2047 | 0.061514747 | 0.002354692 | 0.002545613 | 0.000241833 | 0.983034449 | 0 | 0 | 0.1 | 1.154660468 | 0.182108187 |
| 2048 | 0.061514747 | 0.002354692 | 0.002545613 | 0.000241833 | 0.992864794 | 0 | 0 | 0.1 | 1.165473847 | 0.17283839 |
| 2049 | 0.061514747 | 0.002354692 | 0.002545613 | 0.000241833 | 1.002793442 | 0 | 0 | 0.1 | 1.17639536 | 0.164041408 |
| 2050 | 0.063875806 | 0.00244507 | 0.002643319 | 0.000251115 | 1.012821376 | 0 | 0 | 0.1 | 1.190240355 | 0.156062069 |
| 2051 | 0.063875806 | 0.00244507 | 0.002643319 | 0.000251115 | 1.02294959 | 0 | 0 | 0.1 | 1.20138139 | 0.148117406 |
| 2052 | 0.063875806 | 0.00244507 | 0.002643319 | 0.000251115 | 1.033179086 | 0 | 0 | 0.1 | 1.212633836 | 0.140578008 |
| 2053 | 0.063875806 | 0.00244507 | 0.002643319 | 0.000251115 | 1.043510877 | 0 | 0 | 0.1 | 1.223998806 | 0.133423154 |
| 2054 | 0.066327487 | 0.002538917 | 0.002744775 | 0.000260754 | 1.053945985 | 0 | 0 | 0.1 | 1.238399709 | 0.126932711 |
| 2055 | 0.066327487 | 0.002538917 | 0.002744775 | 0.000260754 | 1.064485445 | 0 | 0 | 0.1 | 1.249993115 | 0.12047109 |
| 2056 | 0.066327487 | 0.002538917 | 0.002744775 | 0.000260754 | 1.0751303 | 0 | 0 | 0.1 | 1.261702455 | 0.114339075 |
| 2057 | 0.066327487 | 0.002538917 | 0.002744775 | 0.000260754 | 1.085881603 | 0 | 0 | 0.1 | 1.273528888 | 0.108519812 |
| 2058 | 0.068873268 | 0.002636366 | 0.002850125 | 0.000270762 | 1.096740419 | 0 | 0 | 0.1 | 1.288508033 | 0.103240445 |
| 2059 | 0.068873268 | 0.002636366 | 0.002850125 | 0.000270762 | 1.107707823 | 0 | 0 | 0.1 | 1.300572178 | 0.097985024 |
| 2060 | 0.068873268 | 0.002636366 | 0.002850125 | 0.000270762 | 1.118784901 | 0 | 0 | 0.1 | 1.312756964 | 0.092997672 |
| 2061 | 0.068873268 | 0.002636366 | 0.002850125 | 0.000270762 | 1.12997275 | 0 | 0 | 0.1 | 1.325063598 | 0.088264685 |
| 2062 | 0.071516762 | 0.002737555 | 0.002959518 | 0.000281154 | 1.141272478 | 0 | 0 | 0.1 | 1.340644214 | 0.083970415 |
| 2063 | 0.071516762 | 0.002737555 | 0.002959518 | 0.000281154 | 1.152685202 | 0 | 0 | 0.1 | 1.353198211 | 0.079696029 |

Discount Rate 0.0635

| Year | CPI | CPI % |
|---|---|---|
| 2017 | 1.2685 | 0.012685 |
| 2018 | 1.4762 | 0.014762 |
| 2019 | 1.7722 | 0.017722 |
| 2020 | 2.0099 | 0.020099 |
| 2021 | 2.2166 | 0.022166 |
| 2022 | 2.3596 | 0.023596 |
| 2023 | 2.4513 | 0.024513 |
| 2024 | 2.7809 | 0.027809 |
| 2025 | 3.0448 | 0.030448 |
| 2026 | 3.2241 | 0.032241 |
| 2027 | 3.3843 | 0.033843 |
| 2028 | 3.4908 | 0.034908 |
| 2029 | 3.5356 | 0.035356 |
| 2030 | 3.6504 | 0.036504 |
| 2031 | 3.7112 | 0.037112 |
| 2032 | 3.761 | 0.03761 |
| 2033 | 3.7889 | 0.037889 |
| 2034 | 3.8031 | 0.038031 |
| 2035 | 3.8162 | 0.038162 |
| 2036 | 3.8332 | 0.038332 |
| 2037 | 3.8382 | 0.038382 |
| 2038 | 3.8382 | 0.038382 |
| 2039 | 3.8382 | 0.038382 |
| 2040 | 3.8382 | 0.038382 |
| 2041 | 3.8382 | 0.038382 |
| 2042 | 3.8382 | 0.038382 |
| 2043 | 3.8382 | 0.038382 |
| 2044 | 3.8382 | 0.038382 |
| 2045 | 3.8382 | 0.038382 |
| 2046 | 3.8382 | 0.038382 |
| 2047 | 3.8382 | 0.038382 |
| 2048 | 3.8382 | 0.038382 |
| 2049 | 3.8382 | 0.038382 |
| 2050 | 3.8382 | 0.038382 |
| 2051 | 3.8382 | 0.038382 |
| 2052 | 3.8382 | 0.038382 |
| 2053 | 3.8382 | 0.038382 |
| 2054 | 3.8382 | 0.038382 |
| 2055 | 3.8382 | 0.038382 |
| 2056 | 3.8382 | 0.038382 |
| 2057 | 3.8382 | 0.038382 |
| 2058 | 3.8382 | 0.038382 |
| 2059 | 3.8382 | 0.038382 |
| 2060 | 3.8382 | 0.038382 |
| 2061 | 3.8382 | 0.038382 |
| 2062 | 3.8382 | 0.038382 |

| year | $ per Metric Tons | Converted to Dths | Cost per Dth |
|---|---|---|---|
| 2018 | 10 | 529.1 | $0.58323 |
| 2019 | 20 | 1058.2 | $1.16647 |
| 2020 | 30 | 1587.3 | $1.74970 |
| 2021 | 40 | 2116.4 | $2.33293 |
| 2022 | 50 | 2645.5 | $2.91616 |
| 2023 | 60 | 3174.6 | $3.49940 |
| 2024 | 60 | 3174.6 | $3.49940 |
| 2025 | 60 | 3174.6 | $3.49940 |
| 2026 | 60 | 3174.6 | $3.49940 |
| 2027 | 60 | 3174.6 | $3.49940 |
| 2028 | 60 | 3174.6 | $3.49940 |
| 2029 | 60 | 3174.6 | $3.49940 |
| 2030 | 60 | 3174.6 | $3.49940 |
| 2031 | 60 | 3174.6 | $3.49940 |
| 2032 | 60 | 3174.6 | $3.49940 |
| 2033 | 60 | 3174.6 | $3.49940 |
| 2034 | 60 | 3174.6 | $3.49940 |
| 2035 | 60 | 3174.6 | $3.49940 |
| 2036 | 60 | 3174.6 | $3.49940 |
| 2037 | 60 | 3174.6 | $3.49940 |
| 2038 | 60 | 3174.6 | $3.49940 |
| 2039 | 60 | 3174.6 | $3.49940 |
| 2040 | 60 | 3174.6 | $3.49940 |
| 2041 | 60 | 3174.6 | $3.49940 |
| 2042 | 60 | 3174.6 | $3.49940 |
| 2043 | 60 | 3174.6 | $3.49940 |
| 2044 | 60 | 3174.6 | $3.49940 |
| 2045 | 60 | 3174.6 | $3.49940 |
| 2046 | 60 | 3174.6 | $3.49940 |
| 2047 | 60 | 3174.6 | $3.49940 |
| 2048 | 60 | 3174.6 | $3.49940 |
| 2049 | 60 | 3174.6 | $3.49940 |
| 2050 | 60 | 3174.6 | $3.49940 |
| 2051 | 60 | 3174.6 | $3.49940 |
| 2052 | 60 | 3174.6 | $3.49940 |
| 2053 | 60 | 3174.6 | $3.49940 |
| 2054 | 60 | 3174.6 | $3.49940 |
| 2055 | 60 | 3174.6 | $3.49940 |
| 2056 | 60 | 3174.6 | $3.49940 |
| 2057 | 60 | 3174.6 | $3.49940 |
| 2058 | 60 | 3174.6 | $3.49940 |
| 2059 | 60 | 3174.6 | $3.49940 |
| 2060 | 60 | 3174.6 | $3.49940 |
| 2061 | 60 | 3174.6 | $3.49940 |

| | | | |
|---|---|---|---|
| 2062 | 60 | 3174.6 | $3.49940 |
| 2063 | 60 | 3174.6 | $3.49940 |
| 2064 | 60 | 3174.6 | $3.49940 |
| 2065 | 60 | 3174.6 | $3.49940 |
| 2066 | 60 | 3174.6 | $3.49940 |
| 2067 | 60 | 3174.6 | $3.49940 |

## Nominal - Scaling Tax

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.434922 | $ 0.434922 | $ 0.434922 | $ 0.420425 | $ 0.434922 | $ 0.423868 |
| **2019** | $ 0.512113 | $ 0.526231 | $ 0.660431 | $ 0.496729 | $ 0.566259 | $ 0.594917 |
| **2020** | $ 0.605459 | $ 0.619577 | $ 0.753777 | $ 0.590075 | $ 0.659604 | $ 0.688263 |
| **2021** | $ 0.686542 | $ 0.700661 | $ 0.834861 | $ 0.671159 | $ 0.740688 | $ 0.769347 |
| **2022** | $ 0.758409 | $ 0.772861 | $ 0.910228 | $ 0.742663 | $ 0.813833 | $ 0.843168 |
| **2023** | $ 0.837539 | $ 0.851991 | $ 0.989358 | $ 0.821793 | $ 0.892963 | $ 0.922298 |
| **2024** | $ 0.852453 | $ 0.866905 | $ 1.004272 | $ 0.836707 | $ 0.907877 | $ 0.937212 |
| **2025** | $ 0.874609 | $ 0.889061 | $ 1.026428 | $ 0.858863 | $ 0.930033 | $ 0.959368 |
| **2026** | $ 0.887803 | $ 0.902720 | $ 1.044516 | $ 0.871549 | $ 0.945013 | $ 0.975294 |
| **2027** | $ 0.908921 | $ 0.923839 | $ 1.065634 | $ 0.892667 | $ 0.966131 | $ 0.996412 |
| **2028** | $ 0.924638 | $ 0.939555 | $ 1.081351 | $ 0.908383 | $ 0.981848 | $ 1.012129 |
| **2029** | $ 0.956559 | $ 0.971477 | $ 1.113272 | $ 0.940305 | $ 1.013769 | $ 1.044050 |
| **2030** | $ 0.971362 | $ 0.986824 | $ 1.133795 | $ 0.954514 | $ 1.030660 | $ 1.062046 |
| **2031** | $ 0.990062 | $ 1.005525 | $ 1.152496 | $ 0.973215 | $ 1.049361 | $ 1.080747 |
| **2032** | $ 1.008054 | $ 1.023516 | $ 1.170487 | $ 0.991206 | $ 1.067352 | $ 1.098738 |
| **2033** | $ 1.010394 | $ 1.025856 | $ 1.172828 | $ 0.993547 | $ 1.069693 | $ 1.101079 |
| **2034** | $ 1.014908 | $ 1.030958 | $ 1.183519 | $ 0.997420 | $ 1.076462 | $ 1.109042 |
| **2035** | $ 1.032217 | $ 1.048268 | $ 1.200829 | $ 1.014729 | $ 1.093771 | $ 1.126351 |
| **2036** | $ 1.022698 | $ 1.038748 | $ 1.191309 | $ 1.005210 | $ 1.084252 | $ 1.116831 |
| **2037** | $ 1.039268 | $ 1.055318 | $ 1.207879 | $ 1.021780 | $ 1.100822 | $ 1.133402 |

**Real - Scaling Tax**

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | 0.4089535 | 0.408954 | 0.408954 | 0.395322 | 0.4089535 | 0.395322 |
| **2019** | 0.45278365 | 0.465266 | 0.583919 | 0.439182 | 0.50065644 | 0.439182 |
| **2020** | 0.50335213 | 0.51509 | 0.626658 | 0.490563 | 0.5483665 | 0.490563 |
| **2021** | 0.53668223 | 0.547719 | 0.652625 | 0.524657 | 0.57900887 | 0.524657 |
| **2022** | 0.55746318 | 0.568086 | 0.669056 | 0.545889 | 0.59820166 | 0.545889 |
| **2023** | 0.57886898 | 0.588857 | 0.683799 | 0.567986 | 0.61717502 | 0.567986 |
| **2024** | 0.553998 | 0.56339 | 0.652663 | 0.543765 | 0.59001685 | 0.543765 |
| **2025** | 0.5344588 | 0.54329 | 0.627232 | 0.524836 | 0.56832702 | 0.524836 |
| **2026** | 0.51012786 | 0.518699 | 0.600175 | 0.500788 | 0.5430006 | 0.500788 |
| **2027** | 0.49107881 | 0.499139 | 0.575749 | 0.482297 | 0.52198877 | 0.482297 |
| **2028** | 0.4697417 | 0.47732 | 0.549356 | 0.461484 | 0.49880608 | 0.461484 |
| **2029** | 0.45694293 | 0.464069 | 0.531804 | 0.449178 | 0.48427192 | 0.449178 |
| **2030** | 0.4363083 | 0.443253 | 0.509269 | 0.428741 | 0.46294356 | 0.428741 |
| **2031** | 0.41815537 | 0.424686 | 0.48676 | 0.41104 | 0.44320028 | 0.41104 |
| **2032** | 0.40033281 | 0.406473 | 0.464841 | 0.393642 | 0.42388233 | 0.393642 |
| **2033** | 0.37730353 | 0.383077 | 0.43796 | 0.371012 | 0.39944694 | 0.371012 |
| **2034** | 0.35636036 | 0.361996 | 0.415564 | 0.35022 | 0.37797347 | 0.35022 |
| **2035** | 0.34079741 | 0.346097 | 0.396466 | 0.335023 | 0.36112004 | 0.335023 |
| **2036** | 0.31749355 | 0.322476 | 0.369838 | 0.312064 | 0.33660274 | 0.312064 |
| **2037** | 0.30337354 | 0.308059 | 0.352593 | 0.298269 | 0.32134175 | 0.298269 |

## Nominal - Scaling Tax with 20% Adder

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.474460 | $ 0.474460 | $ 0.474460 | $ 0.458646 | $ 0.474460 | $ 0.462402 |
| **2019** | $ 0.558669 | $ 0.574071 | $ 0.720471 | $ 0.541887 | $ 0.617737 | $ 0.649001 |
| **2020** | $ 0.660500 | $ 0.675902 | $ 0.822302 | $ 0.643718 | $ 0.719568 | $ 0.750832 |
| **2021** | $ 0.748955 | $ 0.764357 | $ 0.910757 | $ 0.732173 | $ 0.808023 | $ 0.839287 |
| **2022** | $ 0.827356 | $ 0.843121 | $ 0.992976 | $ 0.810178 | $ 0.887817 | $ 0.919819 |
| **2023** | $ 0.913679 | $ 0.929445 | $ 1.079299 | $ 0.896501 | $ 0.974141 | $ 1.006143 |
| **2024** | $ 0.929949 | $ 0.945715 | $ 1.095569 | $ 0.912771 | $ 0.990411 | $ 1.022413 |
| **2025** | $ 0.954119 | $ 0.969885 | $ 1.119739 | $ 0.936941 | $ 1.014581 | $ 1.046583 |
| **2026** | $ 0.968512 | $ 0.984786 | $ 1.139472 | $ 0.950780 | $ 1.030923 | $ 1.063957 |
| **2027** | $ 0.991550 | $ 1.007824 | $ 1.162510 | $ 0.973818 | $ 1.053961 | $ 1.086995 |
| **2028** | $ 1.008696 | $ 1.024969 | $ 1.179655 | $ 0.990964 | $ 1.071107 | $ 1.104140 |
| **2029** | $ 1.043519 | $ 1.059793 | $ 1.214479 | $ 1.025787 | $ 1.105930 | $ 1.138964 |
| **2030** | $ 1.059667 | $ 1.076535 | $ 1.236867 | $ 1.041288 | $ 1.124356 | $ 1.158596 |
| **2031** | $ 1.080068 | $ 1.096936 | $ 1.257268 | $ 1.061689 | $ 1.144758 | $ 1.178997 |
| **2032** | $ 1.099695 | $ 1.116563 | $ 1.276895 | $ 1.081316 | $ 1.164384 | $ 1.198624 |
| **2033** | $ 1.102248 | $ 1.119116 | $ 1.279448 | $ 1.083869 | $ 1.166937 | $ 1.201177 |
| **2034** | $ 1.107173 | $ 1.124682 | $ 1.291112 | $ 1.088095 | $ 1.174322 | $ 1.209864 |
| **2035** | $ 1.126055 | $ 1.143565 | $ 1.309995 | $ 1.106977 | $ 1.193205 | $ 1.228747 |
| **2036** | $ 1.115670 | $ 1.133180 | $ 1.299610 | $ 1.096592 | $ 1.182820 | $ 1.218362 |
| **2037** | $ 1.133747 | $ 1.151256 | $ 1.317686 | $ 1.114669 | $ 1.200897 | $ 1.236438 |

## Nominal - Scaling Tax with 30% Adder

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.513999 | $ 0.513999 | $ 0.513999 | $ 0.496866 | $ 0.513999 | $ 0.500935 |
| **2019** | $ 0.605224 | $ 0.621910 | $ 0.780510 | $ 0.587044 | $ 0.669215 | $ 0.703084 |
| **2020** | $ 0.715542 | $ 0.732227 | $ 0.890827 | $ 0.697361 | $ 0.779532 | $ 0.813402 |
| **2021** | $ 0.811368 | $ 0.828053 | $ 0.986653 | $ 0.793187 | $ 0.875358 | $ 0.909228 |
| **2022** | $ 0.896302 | $ 0.913381 | $ 1.075723 | $ 0.877692 | $ 0.961802 | $ 0.996471 |
| **2023** | $ 0.989819 | $ 1.006898 | $ 1.169241 | $ 0.971210 | $ 1.055320 | $ 1.089988 |
| **2024** | $ 1.007445 | $ 1.024524 | $ 1.186866 | $ 0.988835 | $ 1.072945 | $ 1.107614 |
| **2025** | $ 1.033629 | $ 1.050709 | $ 1.213051 | $ 1.015020 | $ 1.099130 | $ 1.133798 |
| **2026** | $ 1.049221 | $ 1.066851 | $ 1.234428 | $ 1.030012 | $ 1.116833 | $ 1.152620 |
| **2027** | $ 1.074179 | $ 1.091809 | $ 1.259386 | $ 1.054970 | $ 1.141791 | $ 1.177578 |
| **2028** | $ 1.092754 | $ 1.110383 | $ 1.277960 | $ 1.073544 | $ 1.160366 | $ 1.196152 |
| **2029** | $ 1.130479 | $ 1.148109 | $ 1.315685 | $ 1.111270 | $ 1.198091 | $ 1.233878 |
| **2030** | $ 1.147973 | $ 1.166246 | $ 1.339940 | $ 1.128062 | $ 1.218053 | $ 1.255146 |
| **2031** | $ 1.170074 | $ 1.188347 | $ 1.362041 | $ 1.150163 | $ 1.240154 | $ 1.277247 |
| **2032** | $ 1.191336 | $ 1.209609 | $ 1.383303 | $ 1.171425 | $ 1.261416 | $ 1.298509 |
| **2033** | $ 1.194102 | $ 1.212375 | $ 1.386069 | $ 1.174191 | $ 1.264182 | $ 1.301275 |
| **2034** | $ 1.199437 | $ 1.218405 | $ 1.398705 | $ 1.178769 | $ 1.272182 | $ 1.310686 |
| **2035** | $ 1.219893 | $ 1.238862 | $ 1.419161 | $ 1.199225 | $ 1.292639 | $ 1.331142 |
| **2036** | $ 1.208643 | $ 1.227611 | $ 1.407911 | $ 1.187975 | $ 1.281388 | $ 1.319892 |
| **2037** | $ 1.228226 | $ 1.247194 | $ 1.427494 | $ 1.207558 | $ 1.300971 | $ 1.339475 |

## Nominal - Flat $10/Ton Tax with 10% Adder

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.434922 | $ 0.434922 | $ 0.434922 | $ 0.420425 | $ 0.434922 | $ 0.423868 |
| **2019** | $ 0.453790 | $ 0.467908 | $ 0.602108 | $ 0.438406 | $ 0.507935 | $ 0.536594 |
| **2020** | $ 0.488812 | $ 0.502930 | $ 0.637130 | $ 0.473428 | $ 0.542958 | $ 0.571616 |
| **2021** | $ 0.511572 | $ 0.525691 | $ 0.659891 | $ 0.496189 | $ 0.565718 | $ 0.594377 |
| **2022** | $ 0.525116 | $ 0.539568 | $ 0.676934 | $ 0.509370 | $ 0.580539 | $ 0.609875 |
| **2023** | $ 0.545923 | $ 0.560375 | $ 0.697741 | $ 0.530176 | $ 0.601346 | $ 0.630681 |
| **2024** | $ 0.560837 | $ 0.575289 | $ 0.712655 | $ 0.545090 | $ 0.616260 | $ 0.645595 |
| **2025** | $ 0.582993 | $ 0.597445 | $ 0.734811 | $ 0.567247 | $ 0.638416 | $ 0.667751 |
| **2026** | $ 0.596186 | $ 0.611104 | $ 0.752899 | $ 0.579932 | $ 0.653396 | $ 0.683677 |
| **2027** | $ 0.617305 | $ 0.632222 | $ 0.774018 | $ 0.601050 | $ 0.674515 | $ 0.704796 |
| **2028** | $ 0.633021 | $ 0.647939 | $ 0.789734 | $ 0.616767 | $ 0.690231 | $ 0.720512 |
| **2029** | $ 0.664943 | $ 0.679860 | $ 0.821656 | $ 0.648689 | $ 0.722153 | $ 0.752434 |
| **2030** | $ 0.679745 | $ 0.695207 | $ 0.842179 | $ 0.662898 | $ 0.739044 | $ 0.770430 |
| **2031** | $ 0.698446 | $ 0.713908 | $ 0.860880 | $ 0.681598 | $ 0.757745 | $ 0.789131 |
| **2032** | $ 0.716437 | $ 0.731899 | $ 0.878871 | $ 0.699590 | $ 0.775736 | $ 0.807122 |
| **2033** | $ 0.718778 | $ 0.734240 | $ 0.881211 | $ 0.701930 | $ 0.778076 | $ 0.809462 |
| **2034** | $ 0.723292 | $ 0.739342 | $ 0.891903 | $ 0.705804 | $ 0.784846 | $ 0.817425 |
| **2035** | $ 0.740601 | $ 0.756651 | $ 0.909212 | $ 0.723113 | $ 0.802155 | $ 0.834735 |
| **2036** | $ 0.731081 | $ 0.747131 | $ 0.899692 | $ 0.713593 | $ 0.792635 | $ 0.825215 |
| **2037** | $ 0.747652 | $ 0.763702 | $ 0.916263 | $ 0.730163 | $ 0.809205 | $ 0.841785 |

## Nominal - Flat $20/Ton Tax with 10% Adder

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.493245 | $ 0.493245 | $ 0.493245 | $ 0.478748 | $ 0.493245 | $ 0.482191 |
| **2019** | $ 0.512113 | $ 0.526231 | $ 0.660431 | $ 0.496729 | $ 0.566259 | $ 0.594917 |
| **2020** | $ 0.547135 | $ 0.561254 | $ 0.695454 | $ 0.531752 | $ 0.601281 | $ 0.629940 |
| **2021** | $ 0.569896 | $ 0.584014 | $ 0.718214 | $ 0.554512 | $ 0.624041 | $ 0.652700 |
| **2022** | $ 0.583439 | $ 0.597891 | $ 0.735258 | $ 0.567693 | $ 0.638863 | $ 0.668198 |
| **2023** | $ 0.604246 | $ 0.618698 | $ 0.756064 | $ 0.588500 | $ 0.659670 | $ 0.689005 |
| **2024** | $ 0.619160 | $ 0.633612 | $ 0.770978 | $ 0.603414 | $ 0.674584 | $ 0.703919 |
| **2025** | $ 0.641316 | $ 0.655768 | $ 0.793135 | $ 0.625570 | $ 0.696740 | $ 0.726075 |
| **2026** | $ 0.654510 | $ 0.669427 | $ 0.811223 | $ 0.638255 | $ 0.711720 | $ 0.742001 |
| **2027** | $ 0.675628 | $ 0.690545 | $ 0.832341 | $ 0.659374 | $ 0.732838 | $ 0.763119 |
| **2028** | $ 0.691344 | $ 0.706262 | $ 0.848057 | $ 0.675090 | $ 0.748555 | $ 0.778835 |
| **2029** | $ 0.723266 | $ 0.738184 | $ 0.879979 | $ 0.707012 | $ 0.780476 | $ 0.810757 |
| **2030** | $ 0.738068 | $ 0.753530 | $ 0.900502 | $ 0.721221 | $ 0.797367 | $ 0.828753 |
| **2031** | $ 0.756769 | $ 0.772231 | $ 0.919203 | $ 0.739922 | $ 0.816068 | $ 0.847454 |
| **2032** | $ 0.774760 | $ 0.790223 | $ 0.937194 | $ 0.757913 | $ 0.834059 | $ 0.865445 |
| **2033** | $ 0.777101 | $ 0.792563 | $ 0.939535 | $ 0.760253 | $ 0.836399 | $ 0.867786 |
| **2034** | $ 0.781615 | $ 0.797665 | $ 0.950226 | $ 0.764127 | $ 0.843169 | $ 0.875749 |
| **2035** | $ 0.798924 | $ 0.814974 | $ 0.967535 | $ 0.781436 | $ 0.860478 | $ 0.893058 |
| **2036** | $ 0.789405 | $ 0.805455 | $ 0.958016 | $ 0.771916 | $ 0.850958 | $ 0.883538 |
| **2037** | $ 0.805975 | $ 0.822025 | $ 0.974586 | $ 0.788487 | $ 0.867529 | $ 0.900109 |

## Nominal - Flat $30/Ton Tax with 10% Adder

| Year | Zone 1 Avoided Cost | Zone 2 Avoided Cost | Zone 3 Avoided Cost | Oregon Avoided Cost | Washington Avoided Cost | System Avoided Cost |
|---|---|---|---|---|---|---|
| **2018** | $ 0.551569 | $ 0.551569 | $ 0.551569 | $ 0.537072 | $ 0.551569 | $ 0.540515 |
| **2019** | $ 0.570436 | $ 0.584555 | $ 0.718755 | $ 0.555053 | $ 0.624582 | $ 0.653241 |
| **2020** | $ 0.605459 | $ 0.619577 | $ 0.753777 | $ 0.590075 | $ 0.659604 | $ 0.688263 |
| **2021** | $ 0.628219 | $ 0.642337 | $ 0.776537 | $ 0.612835 | $ 0.682365 | $ 0.711023 |
| **2022** | $ 0.641763 | $ 0.656214 | $ 0.793581 | $ 0.626016 | $ 0.697186 | $ 0.726521 |
| **2023** | $ 0.662570 | $ 0.677021 | $ 0.814388 | $ 0.646823 | $ 0.717993 | $ 0.747328 |
| **2024** | $ 0.677484 | $ 0.691935 | $ 0.829302 | $ 0.661737 | $ 0.732907 | $ 0.762242 |
| **2025** | $ 0.699640 | $ 0.714091 | $ 0.851458 | $ 0.683893 | $ 0.755063 | $ 0.784398 |
| **2026** | $ 0.712833 | $ 0.727750 | $ 0.869546 | $ 0.696579 | $ 0.770043 | $ 0.800324 |
| **2027** | $ 0.733951 | $ 0.748869 | $ 0.890664 | $ 0.717697 | $ 0.791161 | $ 0.821442 |
| **2028** | $ 0.749668 | $ 0.764585 | $ 0.906381 | $ 0.733414 | $ 0.806878 | $ 0.837159 |
| **2029** | $ 0.781589 | $ 0.796507 | $ 0.938302 | $ 0.765335 | $ 0.838800 | $ 0.869080 |
| **2030** | $ 0.796392 | $ 0.811854 | $ 0.958825 | $ 0.779544 | $ 0.855690 | $ 0.887076 |
| **2031** | $ 0.815093 | $ 0.830555 | $ 0.977526 | $ 0.798245 | $ 0.874391 | $ 0.905777 |
| **2032** | $ 0.833084 | $ 0.848546 | $ 0.995517 | $ 0.816236 | $ 0.892382 | $ 0.923768 |
| **2033** | $ 0.835424 | $ 0.850886 | $ 0.997858 | $ 0.818577 | $ 0.894723 | $ 0.926109 |
| **2034** | $ 0.839938 | $ 0.855989 | $ 1.008550 | $ 0.822450 | $ 0.901492 | $ 0.934072 |
| **2035** | $ 0.857248 | $ 0.873298 | $ 1.025859 | $ 0.839759 | $ 0.918801 | $ 0.951381 |
| **2036** | $ 0.847728 | $ 0.863778 | $ 1.016339 | $ 0.830240 | $ 0.909282 | $ 0.941862 |
| **2037** | $ 0.864298 | $ 0.880348 | $ 1.032909 | $ 0.846810 | $ 0.925852 | $ 0.958432 |

# Appendix J

# 2018 OR IRP Comments Matrix

# 2018 OR IRP Final

| 2018 CNGC IRP Comments Matrix | | | |
|---|---|---|---|
| **Source** | **Comment #** | **Comment** | **Response** |
| OPUC | 1 | While the demand forecasting appears to be reasonably comprehensive, Staff's questions will be regarding whether corporate versus residential customer were treated differently, and how the decision to select particular stochastic parameters for load uncertainty were made. | The Company evaluates all rate classes of all citygates through the same modeling process, but ultimately unique models are selected for each one, based on statistical significance. Cascade has added language to page 7-32 regarding how the stochastic parameters for load uncertainty were determined. |
| OPUC | 2 | Staff is also interested in learning what progress the Company has made in negotiating additional storage options noted in the IRP draft, and what factors the company will consider in whether to obtain these contracts. | During TAG 5, Cascade clarified that the Company models all potential storage options, but is not currently engaged in negotiations for any additional storage. |
| OPUC | 3 | Given that Cascade does not forecast a need to acquire additional storage, please clarify if Cascade can avoid its current fixed storage costs? | Cascade appreciates Staff's feedback on fixed storage. After checking the calculations, it was not numerically significant to include it one way or another, but Staff's comments have certainly prompted the Company to be sure to explore this subject further during the upcoming Oregon avoided cost workshops. |
| OPUC | 4 | Staff will have questions in the initial IRP relating to why Cascade believes price elasticity must be considered | Cascade has removed the penultimate key point of section 5 and moved the price elasticity discussion into a qualitative analysis in section 3. This will include a discussion with stakeholders on how to incorporate price elasticity in future IRPs. |
| OPUC | 5 | Staff's other questions are regarding the identified shortfall, and the deterministic approach the company used to foreclose on the shortfall. Particularly… | |
| OPUC | 5a. | Why were the six selected portfolios tested? | Cascade performed its analysis on the six portfolios presented in the IRP because the Company determined that the portfolios were a comprehensive sample of the alternative resources available on the various pipelines Cascade contracts with. Cascade presented these portfolios in its final two TAG meetings, requesting feedback from stakeholders regarding its methodology for selection of these portfolio. No stakeholders expressed concern with these portfolios. |
| OPUC | 5b. | Did the Company consider alternative approaches given potential changes in storage and supply contracts? | Cascade's contracts are firm related to storage and supply contracts. Cascade did, however, consider extreme circumstances related to its contracts in its scenario analysis. |
| OPUC | 5c. | Why was 1.25 time the mean total system cost chosen, as opposed to say, 2 times? | Cascade has added a footnote to page 7-4 to explain its rationale behind the VaR limit chosen. |
| OPUC | 5d. | Staff also notes that table 7-2 is not very clear to read (i.e. blurry) and suggests higher resolution. | Cascade has increased the resolution of table 7-2. |