

**SCHEDULE 15
OUTDOOR AREA LIGHTING
STANDARD SERVICE
(COST OF SERVICE)**

AVAILABLE

In all territory served by the Company.

APPLICABLE

To Customers for outdoor area lighting.

CHARACTER OF SERVICE

Lighting services, which consist of the provision of Company-owned luminaires mounted on Company-owned poles, in accordance with Company specifications as to equipment, installation, maintenance and operation.

The Company will replace lamps on a scheduled basis. Subject to the Company's operating schedules and requirements, the Company will replace individual burned-out lamps as soon as reasonably possible after the Customer notifies the Company of the burn-out.

MONTHLY RATE

Included in the service rates for each installed luminaire are the following pricing components:

<u>Transmission and Related Services Charge</u>	0.394	¢ per kWh
<u>Distribution Charge</u>	6.458	¢ per kWh
<u>Cost of Service Energy Charge</u>	6.448	¢ per kWh

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)
Rates for Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire⁽¹⁾</u>
Cobrahead Mercury Vapor	175	7,000	66	\$13.79 ⁽²⁾
	400	21,000	147	24.78 ⁽²⁾
	1,000	55,000	374	55.59 ⁽²⁾
HPS	70	6,300	30	10.02 ⁽²⁾
	100	9,500	43	10.89
	150	16,000	62	13.50
	200	22,000	79	16.28
	250	29,000	102	18.87
	310	37,000	124	22.68 ⁽²⁾
	400	50,000	163	27.21
Flood, HPS	100	9,500	43	10.78 ⁽²⁾
	200	22,000	79	16.20 ⁽²⁾
	250	29,000	102	20.89
	400	50,000	163	29.00
Shoebox, HPS (bronze color, flat lens or drop lens, multi-volt)	70	6,300	30	9.78
	100	9,500	43	12.10
	150	16,500	62	15.09
Special Acorn Type, HPS	100	9,500	43	16.93
HADCO Victorian, HPS	150	16,500	62	19.47
	200	22,000	79	19.79⁽²⁾
	250	29,000	102	22.64⁽²⁾
Early American Post-Top, HPS Black	100	9,500	43	12.46

(1) See Schedule 100 for applicable adjustments.

(2) No new service.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire⁽¹⁾</u>
Special Types				
Cobrahead, Metal Halide	150	10,000	60	\$15.53
	175	12,000	71	15.15
Flood, Metal Halide	350	30,000	139	27.06
	400	40,000	156	26.52
Flood, HPS	750	105,000	285	48.62
HADCO Independence, HPS	100	9,500	43	16.43
HADCO Capital Acorn, HPS	100	9,500	43	-19.26
	200	22,000	79	-24.14
	250	29,000	102	-26.36
HADCO Techtra, HPS	100	9,500	43	23.55
	150	16,000	62	26.93
HADCO Westbrooke, HPS	70	6,300	30	-16.75
	100	9,500	43	-18.68
	250	29,000	102	-24.57
Holophane Mongoose, HPS	150	16,000	62	-20.04

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)
Rates for LED Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire⁽¹⁾</u>
Acorn LED	>35-40	3,262	13	\$14.84
	>40-45	3,500	15	15.11
	>45-50	5,488	16	12.72
	>50-55	4,000	18	15.50
	>55-60	4,213	20	15.77
	>60-65	4,273	21	15.90
	>65-70	4,332	23	15.79
	>70-75	4,897	25	16.44
HADCO LED	70	5,120	24	20.37
Roadway LED	>20-25	3,000	8	6.10
	>25-30	3,470	9	6.24
	>30-35	2,530	11	6.87
	>35-40	4,245	13	6.77
	>40-45	5,020	15	7.22
	>45-50	3,162	16	7.39
	>50-55	3,757	18	7.93
	>55-60	4,845	20	7.88
	>60-65	4,700	21	8.01
	>65-70	5,050	23	9.00
	>70-75	7,640	25	9.28
	>75-80	8,935	26	9.41
	>80-85	9,582	28	9.67
	>85-90	10,230	30	9.94
	>90-95	9,928	32	10.21
	>95-100	11,719	33	10.34
	>100-110	7,444	36	10.96
	>110-120	12,340	39	11.14
	>120-130	13,270	43	11.67
	>130-140	14,200	46	13.02
>140-150	15,250	50	14.88	
>150-160	16,300	53	15.28	
>160-170	17,300	56	15.68	
>170-180	18,300	60	16.12	
>180-190	19,850	63	16.61	
>190-200	21,400	67	17.02	

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)
Rates for LED Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate Per Luminaire⁽¹⁾</u>
Pendant LED (Non-Flare)	36	3,369	12	\$16.46
	53	5,079	18	18.48
	69	6,661	24	19.03
	85	8,153	29	20.31
Pendant LED (Flare)	>35-40	3,369	13	16.19
	>40-45	3,797	15	16.46
	>45-50	4,438	16	16.59
	>50-55	5,079	18	19.63
	>55-60	5,475	20	19.90
	>60-65	6,068	21	20.03
	>65-70	6,661	23	19.41
	>70-75	7,034	25	19.68
	>75-80	7,594	26	20.03
>80-85	8,153	28	20.29	
CREE XSP LED	>20-25	2,529	8	6.25
	>30-35	4,025	11	6.65
	>40-45	3,819	15	7.19
	>45-50	4,373	16	7.32
	>55-60	5,863	20	7.92
	>65-70	9,175	23	8.83
	>90-95	8,747	32	10.03
	>130-140	18,700	46	13.31
Post-Top, American Revolution LED	>30-35	3,395	11	9.43
	>45-50	4,409	16	10.10
Flood LED	>80-85	10,530	28	10.94
	>120-130	16,932	43	13.49
	>180-190	23,797	63	17.37
	>370-380	48,020	127	30.34

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)

Rates for Area Light Poles⁽²⁾

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>
Wood, Standard	35 or less	\$6.33
	40 to 55	7.48
Wood, Painted for Underground	35 or less	6.26 ⁽³⁾
Wood, Curved Laminated	30 or less	7.40 ⁽³⁾
Aluminum, Regular	16	4.84
	25	9.01
	30	10.37
	35	12.04
Aluminum, Fluted Ornamental	14	8.61
Aluminum, Fluted Ornamental	16	8.94
Aluminum Davit	25	9.63
	30	10.86
	35	12.46
	40	16.01
Aluminum Double Davit	30	12.08
Aluminum, Smooth Techtra Ornamental	18	18.49
Aluminum, Fluted Ornamental	18	-17.63
Aluminum, Non fluted Ornamental, Pendant	18	-17.52

(1) See Schedule 100 for applicable adjustments.

(2) No pole charge for luminaires placed on existing Company-owned distribution poles.

(3) No new service.

SCHEDULE 15 (Continued)

MONTHLY RATE (Continued)

Rates for Area Light Poles⁽¹⁾

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>
Fiberglass Fluted Ornamental; Black	14	\$11.35
Fiberglass, Regular		
Black	20	5.23
Gray or Bronze	30	8.51
Black, Gray, or Bronze	35	8.34
Fiberglass, Anchor Base, Gray or Black	35	11.45
Fiberglass, Anchor Base (Color may vary)	25	10.11
	30	12.40
Fiberglass, Direct Bury with Shroud	18	7.06
Aluminum, Regular with Breakaway Base	35	17.34
Aluminum, Double-Arm, Smooth	25	14.52
Ornamental		
<u>Aluminum, Smooth, Black, Pendant</u>	<u>23</u>	<u>17.70</u>

INSTALLATION CHARGE

See Schedule 300 regarding the installation of conduit on wood poles.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

⁽¹⁾ No pole charge for luminaires placed on existing Company-owned distribution poles.

SCHEDULE 15 (Concluded)

SPECIAL CONDITIONS

1. The Company may periodically offer temporary or experimental lighting equipment that is not otherwise listed in this rate schedule. Temporary or experimental lighting will be offered at a billing rate based on approved prices for near equivalent lighting service equipment. The use of temporary or experimental lighting will be for a limited duration not to exceed one year at which time the lighting service equipment will either be removed or the Company will file with the Commission to add the luminaire type to this rate schedule.
2. Maintenance of outdoor area lighting poles includes replacement of accidentally or deliberately damaged poles and luminaires. If damage occurs more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will pay for future installations or may mutually agree with the Company and pay to have the pole either completely removed or relocated.
3. Electricity delivered to the Customer under this schedule may not be resold by the Customer.
4. If Company-owned area lighting equipment or poles are removed at the Customer's request, a charge will be made consisting of the estimated original cost, less depreciation, less salvage value, plus removal cost. This provision does not pertain to the sale of Company-owned equipment. This condition applies if a Customer's selection of service under this Schedule requires the removal of Company-owned area lighting equipment or poles.

TERM

Service under this schedule will not be for less than one year.

**SCHEDULE 38
LARGE NONRESIDENTIAL OPTIONAL TIME-OF-DAY
STANDARD SERVICE
(COST OF SERVICE)**

AVAILABLE

In all territory served by the Company.

APPLICABLE

This optional schedule is applicable to Large Nonresidential Customers: 1) served at Secondary Demand Voltage whose Demand has not exceeded 200 kW more than six times in the preceding 13 months and has not exceeded 4,000 kW more than once in the preceding 13 months, or with seven months or less of service has not had a Demand exceeding 4,000 kW; or 2) who were receiving service on Schedule 38 as of December 31, 2015. or 3) for Customers taking service on the separately metered Plug-In Electric Vehicle Time of Day option whose Demand has exceeded 200 kW more than six times in the preceding 13 months but has not exceeded 4,000 kW more than once in the preceding 13 months, or with 7 months or less of service has not had a Demand exceeding 4,000 kW.

MONTHLY RATE

The sum of the following charges per Service Point (SP)*:

<u>Basic Charge</u>	\$35.00	
<u>Transmission and Related Services Charge</u>	0.552	¢ per kWh
<u>Distribution Charge</u>	8.316	¢ per kWh
<u>Energy Charge*</u>		
On-Peak Period	8.312	¢ per kWh
Off-Peak Period	6.812	¢ per kWh

* See Schedule 100 for applicable adjustments.

** On-peak Period is Monday-Friday, 7:00 a.m. to 8:00 p.m. off-peak Period is Monday-Friday, 8:00 p.m. to 7:00 a.m.; and all day Saturday and Sunday.

MINIMUM CHARGE

The Minimum Charge will be the Basic Charge. In Addition, the Company may require the Customer to execute a written agreement specifying a higher Minimum Charge if necessary, to justify the Company's investment in service facilities.

REACTIVE DEMAND

In addition to the Monthly Rate, the Customer will pay 50¢ for each kilovolt-ampere of Reactive Demand in excess of 40% of the maximum Demand. Such charge is separate from and in addition to the Minimum Charge specified.

SCHEDULE 38 (Continued)

ELECTION WINDOW

Balance-of-Year Election Window

The Balance-of-Year Election Window begins at 8:00 a.m. on February 15th (or the following business day if the 15th falls on a weekend or holiday). The Window will remain open from 8:00 a.m. of the first day through 5:00 p.m. of the third business day of the Election Window.

During the Balance-of-Year Election Window, a Customer may notify the Company of its choice to move to Direct Access Service. For the February 15th election, the move is effective on the following April 1st. A Customer may not choose to move from an alternative option back to Cost of service during a Balance-of-Year Election Window.

November Election Window

The November Election Window begins at 2:00 p.m. on November 15th (or the following business day if the 15th falls on a weekend or holiday). The November Election Window will remain open until 5:00 p.m. at the close of the fifth consecutive business day.

During a November Election Window, a Customer may notify the Company of its choice to change to any service options for an effective date of January 1st.

During an Election Window, Customers may notify the Company of a choice to change service options using the Company's website, <https://portlandgeneral.com>

DIRECT ACCESS DEFAULT SERVICE

A Customer returning to Schedule 38 service before completing the term of service specified in Schedule 538, must be billed at the Daily Price for the remainder of the term. This provision does not eliminate the requirement to receive service on Schedule 81 when notice is insufficient. The Daily Price under this schedule is as follows:

Daily Price Option - The Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Firm Index) plus 0.316¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period. Prices reported with no transaction volume or as "survey-based" will be considered reported. To begin service under this option, the Customer will notify the Company by the close of the November Election Window or for eligible Customers, the close of a Balance-of-Year Election Window.

Losses will be included by multiplying the above applicable Energy Charge Option by the following adjustment factors:

Secondary Delivery Voltage	1.0640
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SCHEDULE 38 (Concluded)

PLUG-IN ELECTRIC VEHICLE (EV) TIME OF DAY OPTION

A large Nonresidential Customer wishing to charge EV's may do so either as part of an integrated service or as a separately metered service billed under the TOU Option. In such cases, the applicable Basic, Transmission and Related Services, and Distribution charges will apply to the separately metered service as will all other adjustments applied to this schedule.

If the Customer chooses separately metered service for EV charging, the service shall be used for the sole and exclusive purpose of all EV charging. The Customer, at its expense, will install all necessary and required equipment to accommodate the second metered service at the premises. Such service must be metered with a network meter as defined in Rule B for the purpose of load research, and to collect and analyze data to characterize electric vehicle use in diverse geographic dynamics and evaluate the effectiveness of the charging station infrastructure.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

SPECIAL CONDITIONS

Pertaining to Optional Time of Day Standard Service

1. Service under this schedule will begin on the first day of the Customer's regularly scheduled Billing Period.
2. In no case will the Company refund a Customer by retroactively adjusting the rate at which service was billed prior to the date the Customer begins service on this schedule.

TERM

Service will be for not less than one year or as otherwise provided under this schedule.

**SCHEDULE 91
STREET AND HIGHWAY LIGHTING
STANDARD SERVICE
(COST OF SERVICE)**

AVAILABLE

In all territory served by the Company.

APPLICABLE

To municipalities or agencies of federal or state governments for lighting service utilizing Company approved streetlighting equipment for public streets and highways and public grounds where funds for payment of Electricity generally are provided through taxation or property assessment.

CHARACTER OF SERVICE

From dusk to dawn daily, controlled by a photoelectric control to be mutually agreeable to the Customer and Company for an average of 4,100 hours annually.

LUMINAIRE SERVICE OPTIONS - The Company offers the following Luminaire Service Options at the applicable rates specified herein.

The Customer will elect the Luminaire Service Option at the time of initial luminaire installation.

Option A - Luminaire

Option A provides electricity service to luminaires that are purchased, owned, and maintained by the Company with attachment to Company-owned poles at the monthly Option A rate applicable to the installed type of light.

Maintenance Service under Option A

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace inoperable luminaires as soon as reasonably possible, subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

(1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 91 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option A - Luminaire (Continued)

The Customer is responsible for repair or replacement of luminaires and circuits damaged as a result of rotted wood poles owned by the Customer.

The Company may remove or discontinue service to any luminaire and related equipment that has become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, and lightning, proximity to interference by trees or structures, or other causes as determined by the Company. The Company will notify the Customer as soon as reasonably practical of any such service discontinuation and luminaire replacement schedule.

Option B - Luminaire

Option B provides electricity service to Customer purchased and owned luminaires at the monthly Option B rate applicable to the installed type of light.

The Company does not at any time assume ownership of Option B luminaires.

As defined herein, the Company provides for maintenance only to luminaires and related equipment at the applicable monthly Option B rate. The Company will replace non-repairable Option B luminaires for which the Customer is charged and billed the appropriate replacement costs ⁽¹⁾, in addition to the applicable monthly Option B rate.

Maintenance Service under Option B

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Maintenance under Option B luminaires specifically does not include replacement of failed or failing ballasts or replacement of luminaires that are deemed inoperable due to general deterioration, lack of replacement parts, or replacement of parts associated with Emergency Repair that will not bring the unit into operable status. Such inoperable luminaires will be designated as non-repairable luminaires. ~~This exclusion does not include replacements of Power Doors where the Customer is qualified and paying the applicable Cobrahead Power Door rate.~~ In addition, maintenance under Option B luminaires excludes maintenance related to vegetation management, luminaire relocation or modification of the luminaire (such as adding light shields).

(1) Replacement costs include: Installation Labor + Material costs and loading + Removal Labor = total billable charges. For applicable labor rates, refer to ~~page 91-8~~ of this Schedule.

SCHEDULE 91 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option B – Luminaire:

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace damaged luminaires that have been deemed inoperable due to the acts of vandalism, damage claim incidences and storm related events that cause a luminaire to become inoperable.

Without obligation or notice to the Customer, following actual knowledge of an inoperable luminaire, the company will attempt to repair the photocell as soon as reasonably possible; if PGE does not possess the parts necessary for repair, PGE will replace inoperable luminaires with the equivalent LED luminaire. individual lamps will be replaced on burnout as soon as reasonably possible subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

Non-operating luminaires will be repaired by the Company without additional charge to the Customer only when the luminaire can be restored to operable status by repair or replacement of certain failed parts including the lamp, power door (if applicable), photoelectric controller, starter and lens. If repair efforts by the Company do not result in an operable luminaire, the luminaire will be designated as non-repairable and replaced, the cost of such replacement is the responsibility of the Customer.

Special Provisions for Option B Luminaire Maintenance

1. Non-repairable luminaires will be replaced with in-kind equipment, except as provided below, by the Company on the Company's schedule. Replacement is limited to Company-approved equipment at the date of installation, for which the Customer is charged and billed the appropriate prevailing costs upon completion of the work. The Company will provide to the Customer, subsequent to the luminaire replacement, a cost itemization of amounts to be paid by the Customer and additional information specifying luminaire location, age, repair history, replacement luminaire type, and reason for designation as non-repairable luminaire. The Company is not obligated to notify the Customer prior to replacement nor retain the replaced non-repairable luminaire.
2. The Company may discontinue service to Option B luminaires and related equipment, which in the opinion of the Company have become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, lightning, proximity to or unsafe interference by trees or structures or other causes. The Company will notify the Customer of such discontinuance of service.

1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 91 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Special Provisions for Option B Luminaire Maintenance (Continued)

3. If damage occurs to any streetlight more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will then pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.

Option C – Luminaire

Option C provides electricity service to luminaires that are purchased, owned and maintained by the Customer and installed on Customer-owned poles. As a condition to the election of Option C, Customer is responsible for ensuring that all new underground service installations of Option C luminaires are isolated by a disconnect switch or fuse. Both the equipment used to isolate the luminaire and its location must be approved by the Company.

Maintenance Service under Option C

The Company does not maintain Customer-purchased lighting when mounted on Customer-owned poles. Such maintenance and service is the sole responsibility of the Customer.

Special Provisions for Option B to Option C Luminaire Conversion and Future Maintenance Election

1. The Company will, with not less than 180 days written notice from the Customer (the requesting municipality) and subject to completion of all conditions necessary to finalize such election, convert the entirety of the Customer's lighting service under Option B luminaire lighting rates to the equivalent Option C luminaires lighting rates (with respect to Monthly kWh usage) including Option B luminaires attachment to Company-owned poles.
2. Upon such conversion, the Customer will assume all on-going maintenance responsibilities for the luminaires and associated circuits in accordance with this schedule's provisions for Option C luminaires. The Customer may not require that the Company provide new Option B lighting following the conversion to Option C luminaires. The Customer must notify and inform all affected residents of the conversion that all maintenance and repair services are the sole responsibility of the Customer, and not the Company.
3. The Customer may choose the Schedule 91 Option B to Schedule 95 Option C Luminaire Conversion and Future Maintenance Election as described in Schedule 95 if converting to Schedule 95 Option C luminaires and the above notice has not been given.

SCHEDULE 91 (Continued)

STREETLIGHT POLES SERVICE OPTIONS

Option A – Poles

Option A provides for Company purchased and owned streetlight poles at the applicable rate.

Pole Maintenance under Option A

Maintenance of Option A poles includes straightening of leaning poles, the replacement of rotted wood poles no longer structurally sound or any pole, which by definition, has reached its natural end of life at no additional charge to the customer. Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles.

Emergency Pole Replacement and Repair

The Company will repair or replace structurally unsound poles at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is and subject to the Company's operating schedules and requirements and at no additional charge to the Customer.

Option B - Poles

Option B provides for Customer purchased and owned streetlight poles. The Company does not, at any time, assume ownership of Option B streetlight poles.

Maintenance Service under Option B

The Company provides for maintenance only as defined herein to Customer purchased and owned poles and related equipment at the applicable monthly Option B rate and subject to the Company's operating schedules and requirements.

Maintenance of Option B poles includes straightening of leaning poles.

Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles, nor does maintenance of Option B poles include replacement of rotted wood poles no longer structurally sound, or any pole which by definition has reached its natural end of life.

SCHEDULE 91 (Continued)

STREETLIGHT POLES SERVICE OPTIONS (Continued)

Option B – Pole maintenance (Continued)

Upon Customer request, the Company may install and replace Option B poles at their discretion that have reached their natural end of life. All costs associated to the installation and removal of any pole is the sole responsibility of the Customer, in addition to the applicable monthly Option B rate.

Emergency Pole Replacement and Repair

The Company will repair or replace damaged streetlight poles that have been damaged due to the acts of vandalism, damage claim incidences and storm related events that cause a pole to become structurally unsound at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is subject to the Company's operating schedules and requirements.

Special Provisions for Option B - Poles

1. If damage occurs to any streetlighting pole more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will be responsible to pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.
2. Non-Standard or Custom poles are provided at the Company's discretion to allow greater flexibility in the choice of equipment. The Company will not maintain an inventory of this equipment and thus delays in maintenance may occur. The Company will order and replace the equipment subject to availability since non-standard and custom equipment is subject to obsolescence. The Customer will pay for any additional cost to the Company for ordering non-standard equipment.

SCHEDULE 91 (Continued)

MONTHLY RATE

In addition to the service rates for Option A and B lights, all Customers will pay the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

<u>Transmission and Related Services Charge</u>	0.413 ¢ per kWh
<u>Distribution Charge</u>	6.439 ¢ per kWh
<u>Energy Charge</u>	
Cost of Service Option	6.448 ¢ per kWh

Daily Price Option – Available only to Customers with an average load of five MW or greater on Schedules 91 and 95 and those customers that met the five MW or greater threshold prior to converting to lights from Schedule 91 to Schedule 95. This selection of this option applies to all luminaires served under Schedules 91 and 95. This option gives eligible Customers an option between a daily Energy price and a Cost of Service option for the Energy charge. In addition to the daily Energy price, the Customer will pay a Basic Charge of \$75 per month to help offset the costs of billing this option. The daily Energy price for all kWh will be the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Firm Index) plus 0.316¢ per kWh for wheeling, plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period.

Prices reported with no transaction volume or as “survey-based” will be considered reported. For the purposes of calculating the daily on- and off-peak usage, actual kWhs will be determined for each month, using Sunrise Sunset Tables with adjustments for typical photocell operation and 4,100 annual burning hours.

For Customers billed on the Daily price Option, an average of the daily rates will be used to bill installations and removals that occur during the month. Any additional analysis of billing options and price comparisons beyond the monthly bill will be billed at a rate of \$100 per manhour.

Losses will be included by multiplying the applicable daily Energy price by 1.0640.

The Daily Price Option is subject to Schedule 128, Short Term Transition Adjustment.

Enrollment for Service

To begin service under the Daily Price Option on January 1st, the Customer will notify the Company by 5:00 p.m. PPT on November 15th (or the following working day if the 15th falls on a weekend or holiday) of the year prior to the service year of its choice of this option. Customers selecting this option must commit to this option for an entire service year. The Customer will continue to be billed on this option until timely notice is received to return to the Cost of Service Option.

SCHEDULE 91 (Continued)

ELECTION WINDOW

Balance-of-Year Election Window

The Balance-of-Year Election Window begins at 8:00 a.m. on February 15th (or the following business day if the 15th falls on a weekend or holiday). The Window will remain open from 8:00 a.m. of the first day through 5:00 p.m. of the third business day of the Election Window.

During the Balance-of-Year Election Window, a Customer may notify the Company of its choice to move to Direct Access Service. For the February 15th election, the move is effective on the following April 1st. A Customer may not choose to move from an alternative option back to Cost of service during a Balance-of-Year Election Window.

November Election Window

Enrollment for the November Election Window begins at 2:00 p.m. on November 15th (or the following business day if the 15th falls on a weekend or holiday). The November Election Window will remain open until 5:00 p.m. at the close of the fifth consecutive business day.

During a November Election Window, a Customer may notify the Company of its choice to change to any service options for an effective date of January 1st.

During an Election Window, Customers may notify the Company of a choice to change service options using the Company's website, <https://portlandgeneral.com> ~~PortlandGeneral.com/business~~

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rate	Straight Time	Overtime ⁽¹⁾
	\$132.00 per hour	\$170.00 per hour

(1) Per Article 20.2 of the Collective Bargaining Agreement Union No. 125 Contract, overtime is paid at the Overtime Rate for a minimum of one hour.

SCHEDULE 91 (Continued)

RATES FOR STANDARD LIGHTING

High-Pressure Sodium (HPS) Only – Service Rates

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates	
				Option A	Option B
Cobrahead Power Doors **	70	6,300	30	*	\$0.99
	100	9,500	43	*	\$0.99
	150	16,000	62	*	0.99
	200	22,000	79	*	1.03
	250	29,000	102	*	1.03
Cobrahead	400	50,000	163	*	1.05
	70	6,300	30	\$6.11	1.29
	100	9,500	43	5.25	1.19
	150	16,000	62	*	1.20
	200	22,000	79	5.85	1.26
	250	29,000	102	5.38	1.21
Flood	400	50,000	163	5.61	1.23
	250	29,000	102	7.40	1.43
Early American Post-Top	400	50,000	163	7.40	1.43
	100	9,500	43	6.82	1.38
Shoebox (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	5.87	1.27
	100	9,500	43	*	1.34
	150	16,000	62	*	1.39

* Not offered.

** Service is only available to Customers with total power door luminaires in excess of 2,500.

RATES FOR STANDARD POLES

Type of Pole	Pole Length (feet)	Monthly Rates	
		Option A	Option B
Fiberglass, Black, Bronze, or Gray	20	\$5.44	\$0.18
Fiberglass, Black or Bronze	30	8.85	0.30
Fiberglass, Gray	30	8.85	0.30
Fiberglass, Smooth, Black or Bronze	18	5.80	0.19
Fiberglass, Regular Black, Bronze, or Gray	18	4.90	0.16
	35	8.62	0.29
Aluminum, Regular with Breakaway Base	35	17.68	0.59
<u>Aluminum, Smooth, Black, Pendant</u>	<u>23</u>	<u>18.05</u>	<u>0.60</u>

SCHEDULE 91 (Continued)

RATES FOR STANDARD POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Wood, Standard	30 to 35	\$6.60	\$0.22
Wood, Standard	40 to 55	7.76	0.26

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>	
				<u>Option A</u>	<u>Option B</u>
Special Acorn-Types					
HPS	100	9,500	43	\$11.29	1.90
HADCO Victorian, HPS	150	16,000	62	11.30	1.91
	200	22,000	79	9.73	1.73
	250	29,000	102	9.65	1.72
HADCO Capitol Acorn, HPS	100	9,500	43	13.76	2.19
	150	16,000	62	*	2.14
	200	22,000	79	*	2.22
	200	29,000	102	*	2.14
Special Architectural Types					
HADCO Independence, HPS	100	9,500	43	*	1.82
	150	16,000	62	*	*
HADCO Techtra, HPS	100	9,500	43	*	2.63
	150	16,000	62	18.76	2.73
	250	29,000	102	*	2.63
HADCO Westbrooke, HPS	70	6,300	30	12.90	2.06
	100	9,500	43	13.18	2.09
	150	16,000	62	*	2.43
	200	22,000	79	*	1.09
	250	29,000	102	11.56	1.90

SCHEDULE 91 (Continued)

RATES FOR CUSTOM LIGHTING (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>	
				<u>Option A</u>	<u>Option B</u>
Special Types					
Flood, Metal Halide	350	30,000	139	*	\$1.60
Flood, HPS	750	105,000	285	\$10.79	*
Option C Only **					
Ornamental Acorn Twin	85	9,600	64	*	*
Ornamental Acorn	55	2,800	21	*	*
Ornamental Acorn Twin	55	5,600	42	*	*
Composite, Twin	140	6,815	54	*	*
	175	9,815	66	*	*

* Not offered.

** Rates are based on current kWh energy charges.

RATES FOR CUSTOM POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Regular	25	\$9.35	\$0.31
	30	10.71	0.36
	35	12.38	0.41
Aluminum Davit	25	9.97	0.33
	30	11.21	0.38
	35	12.80	0.43
	40	16.42	0.55
Aluminum Double Davit	30	12.42	0.42

SCHEDULE 91 (Continued)

RATES FOR CUSTOM POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Fluted Ornamental	14	\$8.82	\$0.30
Aluminum, Smooth Techtra Ornamental	18	18.84	0.63
Aluminum, Fluted Ornamental	16	9.15	0.31
Aluminum, Double-Arm, Smooth Ornamental	25	14.86	0.50
Aluminum, Fluted Westbrooke	18	17.72	0.59
Aluminum, Non-Fluted Ornamental, Pendant	18	17.61	0.59
Fiberglass, Fluted Ornamental Black	14	11.62	0.39
Fiberglass, Anchor Base, Gray or Black	35	11.72	0.39
Fiberglass, Anchor Base (Color may vary)	25	10.45	0.35
	30	12.75	0.43

SERVICE RATE FOR OBSOLETE LIGHTING

The following equipment is not available for new installations under Options A and B. To the extent feasible, maintenance will be provided. Obsolete Lighting will be replaced with the Customer's choice of Standard or Custom equipment. The Customer will then be billed at the appropriate Standard or Custom rate. If an existing Mercury Vapor luminaire requires the replacement of a ballast, the unit will be replaced with a corresponding HPS unit.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>	
				<u>Option A</u>	<u>Option B</u>
Cobrahead, Metal Halide	150	10,000	60	*	*
Cobrahead, Mercury Vapor	100	4,000	39	*	*
	175	7,000	66	\$5.09	\$1.18
	250	10,000	94	*	*
	400	21,000	147	5.31	1.22
	1,000	55,000	374	5.93	1.33
Holophane Mongoose, HPS	150	16,000	62	*	1.99
	250	29,000	102	*	2.02
Special Box Similar to GE "Space-Glo"					
HPS	70	6,300	30	5.72	*
Mercury Vapor	175	7,000	66	5.70	1.27

* Not offered.

SCHEDULE 91 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates	
				Option A	Option B
Special Box, Anodized Aluminum Similar to GardCo Hub					
HPS Twin	70	6,300	60	*	*
HPS	70	6,300	30	*	*
	100	9,500	43	*	\$1.57
	150	16,000	62	*	*
	250	29,000	102	*	*
	400	50,000	163	*	*
Metal Halide	250	20,500	99	*	1.04
	400	40,000	156	*	1.04
Cobrahead, Metal Halide	175	12,000	71	*	*
Flood, Metal Halide	400	40,000	156	\$5.85	*
Cobrahead, Dual Wattage, HPS					
—70/100 Watt Ballast	100	9,500	43	*	1.03
—100/150 Watt Ballast	100	9,500	43	*	1.03
—100/150 Watt Ballast	150	16,000	62	*	1.03
Special Architectural Types Including Philips QL Induction Lamp Systems					
HADCO Victorian, QL	85	6,000	32	*	*
	165	12,000	60	*	*
HADCO Techtra, QL	165	12,000	60	*	*
Special Architectural Types					
KIM SBC Shoebox, HPS	150	16,000	62	*	1.03
KIM Archetype, HPS	250	29,000	102	*	2.04
	400	50,000	163	*	2.44
Special Acorn-Type, HPS	70	6,300	30	8.42	1.64
Special GardCo Bronze Alloy					
HPS	70	5,000	30	*	*
Mercury Vapor	175	7,000	66	*	*

* Not offered.

SCHEDULE 91 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates	
				Option A	Option B
Early American Post-Top, HPS					
Black	70	6,300	30	\$4.92	\$1.17
Rectangle Type	200	22,000	79	*	*
Incandescent	92	1,000	31	*	*
	182	2,500	62	*	*
Town and Country Post-Top					
Mercury Vapor	175	7,000	66	5.33	1.21
Flood, HPS	70	6,300	30	5.38	*
	100	9,500	43	5.14	1.19
	200	22,000	79	5.77	1.28
Cobrahead, HPS					
—Power Door	310	37,000	124	*	1.37
Special Types Customer-Owned & Maintained					
Ornamental, HPS	100	9,500	43	*	*
Twin Ornamental, HPS	Twin 100	9,500	86	*	*
Compact Fluorescent	28	N/A	12	*	*

* Not offered.

RATES FOR OBSOLETE LIGHTING POLES

Type of Pole	Poles Length (feet)	Option A	Option B
Aluminum Post	30	4.99	*
Aluminum, Painted Ornamental	35	*	0.43
Aluminum, Regular	16	5.04	0.17
Bronze Alloy GardCo	12	*	0.24
Concrete, Ornamental	35 or less	9.24	0.31
Fiberglass, Direct Bury with Shroud	18	7.40	0.25
Steel, Painted Regular **	25	9.24	0.31
Steel, Painted Regular **	30	10.56	0.35
Steel, Unpainted 6-foot Mast Arm **	30	*	0.35
Steel, Unpainted 6-foot Davit Arm **	30	*	0.35
Steel, Unpainted 8-foot Mast Arm **	35	*	0.43
Steel, Unpainted 8-foot Davit Arm **	35	*	0.43
Wood, Laminated without Mast Arm	20	*	0.18
Wood, Laminated Street Light Only	20	5.46	*
Wood, Curved Laminated	30	*	0.25
Wood, Painted Underground	35	6.54	0.22

* Not offered.

** Maintenance does not include replacement of rusted steel poles.

SCHEDULE 91 (Continued)

SPECIALTY SERVICES OFFERED

Upon Customer request and subject to the Company's agreement, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

SPECIAL CONDITIONS

1. The Company may offer temporary or experimental lighting equipment that is not otherwise listed in this rate schedule. Temporary or experimental lighting will be offered at a billing rate based on approved prices for near equivalent lighting service equipment. The use of temporary or experimental lighting will be for a limited duration not to exceed one-year at which time the lighting service equipment will either be removed at Customer expense or the Company will file with the Commission to add the luminaire type to this rate schedule.
2. Customer is responsible for the cost associated with trenching, boring, conduit and restoration required for underground service to streetlighting.
3. Unless otherwise specifically provided, the location of Company-owned streetlighting equipment and poles may be changed at the Customer's request and upon payment by the Customer of the costs of removal and reinstallation.
4. If Company-owned streetlighting equipment or poles are removed at the Customer's request, a charge will be made consisting of the estimated original cost, less depreciation, less salvage value, plus removal cost. This provision does not pertain to the sale of Company-owned equipment. This condition applies if a Customer's selection of service under this Schedule requires the removal of Company-owned streetlighting equipment or poles.
5. If circuits or poles not already covered under Special Condition 2 or 3 are removed or relocated at the Customer's request, the Customer is responsible for all associated costs for labor and materials incurred when fulfilling this request.

SCHEDULE 91 (Continued)

SPECIAL CONDITIONS (Continued)

6. For Option C lights: The Company does not provide the circuit on new Option C installations.
7. For Option C lights in service prior to January 31, 2006: When the Company furnishes Electricity to luminaires owned and maintained by the Customer and installed on Customer-owned poles that are not included in the list of equipment in this schedule, usage for the luminaire will be estimated by the Company. When the Customer and the Company cannot agree, the Commission will determine the estimated usage.
8. For Option A and Option B lights: The Company shall not be liable when either (i) the luminaires become inoperable or (ii) repair or replacement of inoperable luminaires is delayed or prevented; provided that, such inoperability of the luminaires or delay or prevention of repair or replacement is due to any cause beyond the Company's control, or that otherwise could not reasonably be foreseen or guarded against including but not limited to such causes as: strikes, lockouts, labor troubles, riots, insurrection, war, acts of God, extreme weather conditions, access to equipment, or the like.
9. For Option C lights: The Customer must ensure that (i) all maintenance and other work associated with this schedule is in compliance with the applicable requirements of OSHA, OPUC Safety Rules, the NESC and/or NEC and (ii) that all such work is performed by a Qualified Worker. A "Qualified Worker" means one who is knowledgeable about the construction and operation of the electric power generation, transmission, and distribution equipment as it relates to his or her work, along with the associated hazards, as demonstrated by satisfying the qualifying requirements for a "qualified person" or "qualified employee" with regard to the work in question as described in 29 CFR 1910.269 effective January 31, 1994, as it may be amended from time to time. In this case, a Qualified Worker is a journeyman lineman, or someone who has the equivalent training, expertise and experience to perform journeyman lineman work.
10. Indemnification:
 - a. For Option A lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, or agents that arise under this Schedule.

SCHEDULE 91 (Continued)

SPECIAL CONDITIONS (Continued)

- b. For Option B lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, agents, or contractors that arise under this Schedule.
- c. For Option C lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. This paragraph applies only to Option C lights that are attached to poles owned by PGE and does not apply to Option C lights attached to poles owned by Customer.
- d. For Option B and Option C lights: Customer has the obligation to ensure that any contractor performing any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting carry commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies. Customer will, at least seven (7) business days prior to the performance by a contractor of any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting, cause the contractor to furnish the Company with a certificate naming the Company as an additional insured under the contractor's commercial liability policy or policies. This paragraph shall not apply to Option C lights that are attached to poles owned by Customer.

SCHEDULE 91 (Concluded)

SPECIAL CONDITIONS (Continued)

- e. Customer will provide (i) commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies or (ii) proof of adequate self-insurance for the amounts identified. All Insurance certificates or proof of self-insurance required under this Schedule shall be sent to Portland General Electric Company, Utility Asset Management, 2213 SW 153rd, Beaverton, OR 97006. All insurance required by this Schedule, to the extent it is provided by an insurance carrier, must be provided by an insurance carrier rated "A-" VIII or better by the A.M. Best Key Rating Guide. All policies of insurance required to be carried under this Schedule shall not be cancelled, reduced in coverage or renewal refused without at least thirty (30) days' prior written notice to the Company. The insurance coverage required by this Schedule must (i) be primary over, and pay without contribution from, any other insurance or self-insurance used by the Company, and (ii) waive all rights of subrogation against the Company. Customer shall bear all costs of deductibles and shall remain solely and fully liable for the full amount of any liability to the Company that is not compensated by Customer's or contractor's insurance.
 - f. The indemnifying party under this Schedule shall be liable only for third-party claims, actions, liability, costs, and expense pursuant to the terms of this Schedule and shall not be liable to the indemnified party for any of the indemnified party's special, punitive, exemplary, consequential, incidental or indirect losses or damages. For avoidance of doubt, the indemnifying party shall pay all reasonable attorneys' fees, experts' fees, and other legal expenses incurred in responding to or defending the third-party claim or action.
11. The Customer is responsible for the cost of temporary disconnection and reconnection of Electricity Service. The Customer must provide written notice to request a temporary disconnection. During the period of temporary disconnection, the Customer remains responsible for all fixed charges in this schedule except for the cost of providing energy. After one year, the disconnection may no longer considered temporary and the facilities removed with the Customer responsible for the cost listed in Special Condition No. 3 of this schedule.
12. For Option C lights: Customer is responsible to notify the Company within 30 days of conversions to Option C lights in this Schedule. The Company will limit all billing adjustments to 30 days back. The Company will use the nearest billing cycle date for all adjustments.

TERM

A Customer served under the Daily Pricing option may not choose service under another rate schedule until the end of the calendar year in which the pricing choice was made.

**SCHEDULE 118
BILL ADJUSTMENT
COST RECOVERY MECHANISM**

PURPOSE

The purpose of this schedule is to recover the costs associated with PGE's Income-Qualified Bill Discount, an offering to eligible Residential Customers designed to increase bill affordability (operationalized in Schedule 18). This discount is enabled by House Bill 2475 (2021 regular session), which calls for differentiated rates for "low-income customers and other economic, social equity or environmental justice factors that affect affordability for certain classes of utility customers." This adjustment schedule is implemented as an automatic adjustment clause as provided for in ORS 757.210.

APPLICABLE

To all bills for Electricity Service.

ADJUSTMENT RATES

The applicable Adjustment Rates are listed below. ~~Customers will not be required to pay more than \$1,000 per month per Site for cost recovery of the Income-Qualified Bill Discount. The rate for non-Residential schedules is applied to the first 20,000,000 kWh per month per Site.~~

<u>Schedules</u>	<u>Adjustment Rate</u>
7	\$1.88 per bill
<u>All other Non-Residential Schedules</u>	0.236¢ per kWh for the first 877,193 kWh

SCHEDULE 125 ANNUAL POWER COST UPDATE

PURPOSE

The purpose of this adjustment schedule is to define procedures for annual rate revisions due to changes in the Company's projected Net Variable Power Costs (the Annual Power Cost Update). This schedule is an automatic adjustment clause as defined in ORS 757.210(1), and is subject to review by the Commission at least once every two years.

APPLICABLE

To all Cost-of-Service bills for Electricity Service served under the following rate schedules 7, 15, 32, 38, 47, 49, 75, 83, 85, 89, 90, 91, 92, and 95. Customers served under the daily price option contained in schedules 32, 38, 75, 81, 83, 85, 89, 90, 91, and 95 are exempt from Schedule 125.

NET VARIABLE POWER COSTS

Net Variable Power Costs (NVPC) are the power costs for energy generated and purchased. NVPC are the net cost of fuel and emission control chemicals, fuel and emission control chemical transportation, power contracts, transmission/wheeling, wholesale sales, hedges, options and other financial instruments incurred to serve retail load.

RATES

This adjustment rate is subject to increases or decreases, which may be made without prior hearing, to reflect increases or decreases, or both, in NVPC.

ANNUAL UPDATES

The following updates will be made in each of the Annual Power Cost Update filings, including, but not limited to:

- NVPC Modeling Enhancements, and new items
- Forced Outage Rates based on a four-year rolling average.
- Projected planned plant outages.
- Wind energy forecast based on a five-year rolling average.
- Costs associated with wind and solar integration. The battery portion of wind and solar projects that have a battery storage component may be included if the battery is charged solely by wind and solar generation.
- Dispatch of energy storage systems.
- Forward market prices for both gas and electricity.
- Projected loads.
- Contracts for the purchase or sale of power and fuel.
- Emission control chemical costs.
- Thermal plant variable operation and maintenance, including the cost of transmission losses, for dispatch purposes.

SCHEDULE 125 (Continued)

ANNUAL UPDATES (Continued)

- Changes in hedges, options, and other financial instruments used to serve retail load.
- Transportation contracts and other fixed transportation costs.
- Reciprocating engine lubrication oil costs.
- Projections of State and Federal Production Tax Credits.
- No other changes or updates will be made in the annual filings under this schedule.

CHANGES IN NET VARIABLE POWER COSTS

Changes in NVPC for purposes of rate determination under this schedule are the projected NVPC as determined in the Annual Power Cost Update less the NVPC revenues that would occur at the NVPC prices determined in the Company's most recent general rate case, adjusted for a revenue sensitive cost factor of 1.03~~46~~³⁴.

FILING AND EFFECTIVE DATE

Should the Company propose modeling enhancements outside of a general rate case to be effective on January 1st of the following calendar year, the Company will file estimates of the proposed modeling enhancements no later than February 15 of the calendar year prior to the rate effective date. Any modeling enhancements proposed as part of a general rate case shall be filed on or before April 1st prior to the rate effective date.

On or before April 1st of each calendar year, the Company will file estimates of the adjustments ~~and modeling enhancements~~ to its NVPC to be effective on January 1st of the following calendar year.

On or before October 1st of each calendar year, the Company will file updated estimates with final planned maintenance outages, final load forecast, updated projections of gas and electric prices, power, and fuel contracts.

On or before November 6th or the next available business day if the 6th is on a weekend of each calendar year, the Company will file estimates with the final planned maintenance outages from the October 1~~st~~ filing, load forecasts from the October 1~~st~~ filings, load reductions from the October update resulting from additional participation in the Company's Long-Term Cost of Service Opt-out that occurs in September, new market power and fuel contracts entered into since the previous updates, and updated projections of gas and electric prices, power, and fuel contracts.

On November 15th, or the next available business day if the 15th is on a weekend the Company will file the final estimate of NVPC and will calculate and file the final change in NVPC to be effective on the next January 1st with: 1) projected market electric and fuel prices based on the average of the Company's internally generated projections made during the period November 1st through November 7th, ~~2) new market power and fuel contracts entered into since the previous updates, 23~~ 3) the final planned maintenance outages and load forecast from the October 1st filing, ~~34~~ 4) final update to Qualifying Facilities online dates, and ~~45~~ 5) final price for the energy generation at the Priest Rapids and Wanapum hydro facilities, as provided in the power contract between PGE and Grant County.

**Issued December 19, 2023
Brett Sims, Vice President**

**Effective for service
on and after January 1, 2024**

SCHEDULE 125 (Concluded)

RATE ADJUSTMENT

The rate adjustment will be based on the Adjusted NVPC less the NVPC revenues that would occur at the NVPC prices determined in the Company's most recent general rate case applied to forecast loads used to determine changes in Net Variable Power Costs. NVPC prices are defined as the price component that recovers the level of NVPC from the Company's most recent general rate case contained in each Schedule's Cost of Service energy prices.

ADJUSTMENT RATES

Schedule		¢ per kWh
7		0.000
15		0.000
32		0.000
38		0.000
47		0.000
49		0.000
75		
	Secondary	0.000 ⁽¹⁾
	Primary	0.000 ⁽¹⁾
	Subtransmission	0.000 ⁽¹⁾
83		0.000
85		
	Secondary	0.000
	Primary	0.000
89		
	Secondary	0.000
	Primary	0.000
	Subtransmission	0.000
90		
	Primary	0.000
	Subtransmission	0.000
91		0.000
92		0.000
95		0.000

(1) Applicable only to the Baseline and Scheduled Maintenance Energy.

SPECIAL CONDITION

1. Costs recovered through this schedule will be allocated to each schedule using the applicable schedule's forecasted energy on the basis of an equal percent of generation revenue applied on a cents per kWh basis to each applicable rate schedule.

**SCHEDULE 126
ANNUAL POWER COST VARIANCE MECHANISM**

PURPOSE

To recognize in rates part of the difference for a given year between Actual Net Variable Power Costs and the Net Variable Power Costs forecast pursuant to Schedule 125, Annual Power Cost Update and in accordance with Commission Order No. 07-015. This schedule is an "automatic adjustment clause" as defined in ORS 757.210.

APPLICABLE

To all Customers for Electricity Service except those who were served on Schedule 76R and 576R, 485, 489, 490, 491, 492, 495, 515, 532, 538, 549, 583, 585, 589, 591, 592, 595 and 689, or served under Schedules 83, 85, 89 or 90 Daily Price Option for the entire calendar year that the Annual Power Cost Variance accrued. Customers served on Schedules 538, 583, 585, 589, 590, 591, 592 and 595 who received the Schedule 128 Balance of Year Transition Adjustment will be subject to this adjustment.

ANNUAL POWER COST VARIANCE

Subject to the Earnings Test, the Annual Power Cost Variance (PCV) is 90% of the amount that the Annual Variance exceeds either the Positive Annual Power Cost Deadband for a Positive Annual Variance or the Negative Annual Power Cost Deadband for a Negative Annual Variance.

RELIABILITY CONTINGENCY EVENT POWER COST MECHANISM

Reliability Contingency Event (RCE) power costs are the amount of annual actual power costs prudently incurred during RCEs. Through an RCE Power Cost Mechanism, RCE Power Costs, adjusted by any amount of RCE forecast included within Schedule 125 for the associated calendar year, qualify for 80% cost recovery or refund. The remaining RCE costs not recovered through the RCE Power Cost Mechanism will flow through the Annual Power Cost Variance, subject to deadbands and 90% sharing.

The RCE power costs recoverable through the RCE Power Cost Mechanism will not be subject to the earnings test or deadbands for the Annual Power Cost Variance.

Pursuant to Commission Order No. 23-386, the RCE Power Cost Mechanism will be in effect for PGE's filings under this schedule submitted on or around July 1, 2025 for 2024 power costs and submitted on or around July 1, 2026 for 2025 power costs and shall not apply thereafter unless otherwise ordered by the Commission.

SCHEDULE 126 (Continued)

POWER COST VARIANCE ACCOUNT

The Company will maintain a PCV Account to record both the Annual Power Cost Variance amounts-- and the RCE Power Cost Variance Amounts. The Account will contain the difference between the Adjustment Amount and amounts credited to or collected from Customers. This account will accrue interest at the Commission-authorized rate for deferred accounts. At the end of each year the Adjustment Amount for the calendar year will be adjusted by 50% of the annual interest calculated at the Commission-authorized rate. This amount will be added to the Adjustment

Any balance in the PCV Account will be amortized to rates over a period determined by the Commission. Annually, the Company will propose to the Commission PCV Adjustment Rates that will amortize the PCV to rates over a period recommended by the Company. The amount accruing to Customers, whether positive or negative, will be multiplied by a revenue sensitive factor of 1.0357 to account for franchise fees, uncollectibles, and OPUC fees.

EARNINGS TEST

The recovery from or refund to Customers of any Adjustment Amount will be subject to an earnings review for the year that the power costs were incurred. The Company will recover the Adjustment Amount that is not the Exempted RCE Power Cost to the extent that such recovery will not cause the Company's Actual Return on Equity (ROE) for the year to exceed its Authorized ROE minus 100 basis points. The Company will refund the Adjustment Amount that is not the Exempted RCE Power Cost to the extent that such refunding will not cause the Company's Actual Return on Equity (ROE) for the year to fall below its Authorized ROE plus 100 basis points.

DEFINITIONS

Actual Loads - Actual loads are total annual calendar retail loads adjusted to exclude loads of Customers to whom this adjustment schedule does not apply.

Actual NVPC - Incurred cost of power based on the definition for NVPC described here in.- Actual NVPC will be increased by the value of the energy associated with those Customers that received the Schedule 128 Balance of Year Transition Adjustment for the period during the year that the Customers received the Schedule 128 adjustment.

Actual Unit NVPC - The Actual Unit NVPC is calculated based on the following formula: Actuals NVPC divided by Actual Loads

$$\frac{\text{Actual NVPC} - 80\% \text{ RCE costs}}{\text{Actual Loads} - 80\% \text{ RCE Loads}}$$

SCHEDULE 126 (Continued)

DEFINITIONS (Continued)

Annual Variance (AV) - The Annual Variance (AV) is the dollar amount calculated annually based on the following formula:

$$(\text{Actual Unit NVPC} - \text{Adjusted Base Unit NVPC}) * (\text{Actual Loads} - \text{RCE Loads})$$

Base Unit NVPC - The Base Unit NVPC is the NVPC used to develop rate schedules for the applicable year divided by the associated calendar basis retail loads. -Base NVPC are updated annually in accordance with Schedule 125.

Adjusted Base Unit NVPC - The Adjusted Base Unit NVPC is the NVPC used to calculate the Annual Variance.- The Adjusted Base Unit NVPC is the Base Unit NVPC (determined in accordance with Schedule 125) adjusted for load and cost changes resulting from non-residential customers choosing service under Schedule 515 through 595 after the November update for the applicable year.

Negative Annual Power Cost Deadband

Negative Annual Power Cost Deadband is (\$15.0 million).

Positive Annual Power Cost Deadband

The Positive Annual Power Cost Deadband is \$30.0 million.

Net Variable Power Costs (NVPC) - The Net Variable Power Costs (NVPC) represents the power costs for Energy generated and purchased.- NVPC are the net cost of fuel and emission control chemicals, fuel and emission control chemical transportation, power contracts, transmission/wheeling, wholesale sales, hedges, options and other financial instruments incurred to serve retail load. -For purposes of calculating the NVPC, the following adjustments will be made:

- Exclude BPA payments in lieu of Subscription Power.
- Exclude the monthly FASB 133 mark-to-market activity.
- Exclude any cost or revenue unrelated to the period.
- Exclude 80 percent of power costs prudently incurred during RCEs.
- Include as a cost all losses that the Company incurs, or is reasonably expected to incur, as a result of any non-retail Customer failing to pay the Company for the sale of power during the deferralrelevant period.
- Include fuel costs and revenues associated with steam sales from the Coyote Springs I Plant.
- Include gas resale revenues.

SCHEDULE 126 (Continued)

DEFINITIONS (Continued)

- Include Energy Charge revenues from Schedules 76R, 38, 83, 85, 89, 90, and 91 Energy pricing options other than Cost of Service and the Energy Charge revenues from the Market Based Pricing Option from Schedules 485, 489, 490, 491, 492, 495 and 689 as an offset to NVPC.
- NVPC shall be adjusted as needed to comply with Order 07-015 that states that ancillary services, the revenues from sales as well as the costs from the services, should also be taken into account in the mechanism.
- Actual NVPC will be increased to include the value of the energy associated with those Customers that received the Schedule 128 Balance of Year Transition Adjustment for the period during the year that the Customers received the Schedule 128 adjustment.
- Include reciprocating engine lubrication oil expenses.
- Include actual State and Federal Production Tax Credits.

RCE Power Cost Mechanism – 80% of the RCE Power Cost that is exempt from the earnings test and deadbands.

RCE Load - Total retail load served by PGE during an RCE, adjusted to exclude loads of Customers to whom this adjustment schedule does not apply.

Reliability Contingency Event – An event qualifies as a Reliability Contingency Event (RCE) for cost recovery when at least 2 out of the 3 criteria are met:

1. The Day-ahead Mid-Columbia index prices exceed \$150/MWh.
2. PGE is eligible to request or acquire resource adequacy (RA) assistance through a regional RA program in which it participates.
3. A neighboring Balancing Authority has publicly declared an event that indicates potential supply or actual supply constraints.

ADJUSTMENT AMOUNT

The amount accruing to the Power Cost Variance Account, whether positive or negative will be multiplied by a revenue sensitive factor of 1.0357 to account for franchise fees, uncollectibles, and OPUC fees.

~~The Power Cost Adjustment Rate shall be set at level such that the projected amortization for 12 month period beginning with the implementation of the rate is no greater than six percent (6%) of annual Company retail revenues for the preceding calendar year.~~

TIME AND MANNER OF FILING

As a minimum, on July 1st of the following year (or the next business day if the 1st is a weekend or holiday), the Company will file with the Commission recommended adjustment rates for the next calendar year.

SCHEDULE 126 (Continued)

TIME AND MANNER OF FILING (Continued)

Included in this filing will be the following information:

1. A transmittal letter that summarizes the proposed changes.
2. Revised Power Cost Variance Rates.
3. Work papers supporting the calculation of the revised PCV rates.

If the Company finds that the PCV Rates may over or under collect revenues in a particular year, the Company may recommend a modification of the Adjustment Rates to the Commission. The Company may also recommend that the Commission consider Adjustment Rates based on a collection or refund period different than one year based on the balance in the PCV Account.

POWER COST VARIANCE RATES

The PCV Rates will be determined on an equal cents per kWh basis. The PCV Rates are:

<u>Schedule</u>	<u>Adjustment Rate</u>
7	0.080 ¢ per kWh
15/515	0.080 ¢ per kWh ⁽²⁾
32/535	0.080 ¢ per kWh ⁽²⁾
38/538	0.080 ¢ per kWh ⁽²⁾
47	0.080 ¢ per kWh
49/549	0.080 ¢ per kWh ⁽²⁾
75/575	
Secondary	0.080 ¢ per kWh ⁽¹⁾
Primary	0.080 ¢ per kWh ⁽¹⁾
Subtransmission	0.080 ¢ per kWh ⁽¹⁾
83/583	0.080 ¢ per kWh ⁽²⁾
85/585	
Secondary	0.080 ¢ per kWh ⁽²⁾
Primary	0.080 ¢ per kWh ⁽²⁾
89/589	
Secondary	0.080 ¢ per kWh ⁽²⁾
Primary	0.080 ¢ per kWh ⁽²⁾
Subtransmission	0.080 ¢ per kWh ⁽²⁾
90/590	
Primary	0.080 ¢ per kWh
Subtransmission	0.080 ¢ per kWh
91/591	0.080 ¢ per kWh ⁽²⁾
92/592	0.080 ¢ per kWh ⁽²⁾
95/595	0.080 ¢ per kWh ⁽²⁾

(1) Applicable only to the Baseline and Scheduled Maintenance Energy.

(2) Not applicable to Customers where service was received for the entire calendar year that the Annual Power Cost Variance accrued.

SCHEDULE 126 (Concluded)

POWER COST VARIANCE RATES (Continued)

<u>Schedule</u>	<u>Adjustment Rate</u>	
485		
Secondary	0.080	¢ per kWh ⁽²⁾
Primary	0.080	¢ per kWh ⁽²⁾
489		
Secondary	0.080	¢ per kWh ⁽²⁾
Primary	0.080	¢ per kWh ⁽²⁾
Subtransmission	0.080	¢ per kWh ⁽²⁾
490		
Primary	0.080	¢ per kWh
Subtransmission	0.080	¢ per kWh
491	0.080	¢ per kWh
492	0.080	¢ per kWh
495	0.080	¢ per kWh
689		
Secondary	0.080	¢ per kWh ⁽²⁾
Primary	0.080	¢ per kWh ⁽²⁾
Subtransmission	0.080	¢ per kWh ⁽²⁾

(1) Applicable only to the Baseline and Scheduled Maintenance Energy.

(2) Not applicable to Customers where service was received for the entire calendar year that the Annual Power Cost Variance accrued.

TERM

Effective for service on and after January 17, 2007 and continuing until terminated by the Commission.

This schedule may only be terminated upon approval or order of the Commission. If this schedule is terminated for any reason, the Company will determine the remaining Adjustment Amount on a prorated basis consistent with the principles of this schedule. In such case, any balance in the PCV Account will be amortized to rates over a period to be determined by the Commission.

**SCHEDULE 300
CHARGES AS DEFINED BY THE RULES AND REGULATIONS
AND MISCELLANEOUS CHARGES**

PURPOSE

The purpose of this schedule is to list the charges referred to in the General Rules and Regulations.

AVAILABLE

In all territory served by the Company.

APPLICABLE

For all Customers utilizing the services of the Company as defined and described in the General Rules and Regulations.

INTEREST ACCRUED ON NON-RESIDENTIAL CUSTOMER DEPOSITS (See Rules E and K)

5.5% per annum.

BILLING RATES (Rules [C](#), [E](#), [F](#), [H](#), [J](#), [M](#) and [Sch 201](#))

Trouble call, cause in Customer-owned equipment

Scheduled Crew Hours ⁽¹⁾	No charge
Other than Scheduled Crew Hours ⁽¹⁾	\$270.00
Returned Payment Charge	\$ 25.00
Special Meter Reading Charge (non-network)	\$ 25.00
Meter Test Charge	\$ 140.00
Late Payment Charge (monthly)	2.3% of delinquent balance
Field Visit Charge ⁽²⁾	\$ 50.00
Bill History Information Service Charge (Not applicable when a billing dispute is filed with the Commission - see Rule F)	\$ 32.00
Portfolio Enrollment Charge	\$ 5.00
Customer Interval Data (12 months) to Customers	\$100.00
Customer Interval Data (12 months, formatted and analyzed)	Mutually agreed price
Switching Fee	\$20.00
Unauthorized Connection of Service / Tamper Fee	\$75.00
Monthly Service Charge Sch 201 Qualifying Facility 10 MW or Less ⁽³⁾	\$151.00

(1) Scheduled Crew Hours - The Company's Scheduled Crew Hours for the above listed services are from 7:00 a.m. to 3:30 p.m., Monday through Friday, except for Company-recognized holidays. The Customer will be informed of and agree to the charges before Company personnel are dispatched.

(2) See Rule H, Section 2 for applicable conditions.

(3) [See Schedule 201 Monthly Service Charge. \(Applicable only to new Standard Power Purchase Agreements after January 1, 2024\).](#)

SCHEDULE 300 (Continued)

CREDIT RELATED DISCONNECTION AND RECONNECTION RATES (Rule H)

Disconnects

Monday through Friday No charge

Reconnection

Standard Reconnection

At Meter Base \$ 9.00

Other than Meter Base \$145.00

After Hours Reconnection⁽¹⁾

At Meter Base \$ 26.00

Other than Meter Base \$370.00

CUSTOMER REQUESTED DISCONNECTION AND RECONNECTION RATES (Rule H)⁽²⁾⁽³⁾

Disconnects

Standard

At Meter Base No charge

Other than Meter Base No charge

Reconnects

Standard

Safety related No charge

Non-safety related

At Meter Base \$ 9.00

Other than Meter Base \$145.00

-
- (1) PGE representatives will be dispatched to reconnect service until 7:00 p.m., Monday through Friday. As such, crews dispatch up to and including 7:00 p.m. may be reconnecting service after 7:00 p.m. State- and utility-recognized holidays are excluded from the after hours provision.
- (2) These rates apply when a standard service crew (a two-person crew) can complete the work in less than 30 minutes and the work can be scheduled at Company convenience. In other cases, the Customer will be charged the actual loaded cost for the disconnection and reconnection.
- (3) No charge for disconnects / reconnects completed to ensure safe working conditions that meet the guidelines in Rule H(4).

SCHEDULE 300 (Continued)

PULSE OUTPUT METERING (Rule M)

Installation of Standard Meter Option (1 or 2 outputs)	\$ 350.00
Installation of Complex Meter Option (1 – 4 outputs)	\$1,300.00

NON-NETWORK RESIDENTIAL METER RATES (Rule M)

Installation of non-network meter (one time charge)	\$140.00
Non-network Meter Read	\$25.00 per month

METER RELOCATION RATES (Rule M)

Single meter relocation	Estimated Actual Costs
Single meter relocation with Pole	Estimated Actual Costs

MISCELLANEOUS EQUIPMENT RENTAL (Rule C)

Rental of transformers, single-phase to three-phase inverters, capacitors, and other related equipment	1-2/3% per month of current replacement cost at time of installation
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TRANSFORMERS (Rule I Section 3)

Submersible Transformers⁽⁴⁾

~~Subdivision – eight dwelling units or more~~

~~\$ 250.00 per lot
\$1,970.00 minimum~~

~~Mobile Home – eight spaces or more~~

~~\$ 250.00 per space
\$1,970.00 minimum~~

~~Multi-Family Units – twenty units or more~~

~~\$ 100.00 per family unit
\$1,970.00 minimum~~

For applications that require submersible transformers, which include but are not limited to network service areas and densely populated urban areas, the charge will be the calculated difference in cost between submersible and pad mount transformer installations including the costs of future maintenance.

(1) ~~For all other applications, which include but are not limited to network service areas and densely populated urban areas, that require submersible transformers, the charge will be the calculated difference in cost between submersible and pad mount transformer installations including the costs of future maintenance.~~

SCHEDULE 300 (Continued)

TRANSFORMERS

Transformer Content

Upon request, PGE will research its records to provide a customer with Polychlorinated Biphenyls (PCB) content of a PGE transformer. Records searches could reveal the PCB content in specified transformer or that the PCB content is unknown. In the situation where the PCB content is unknown, an additional request can be made to test the PCB concentration.

Research Transformer PCB Content
PCB Content-Specific Transformer

\$82.00 per Transformer⁽¹⁾

Additional Request
Concentration Test

site-by-site basis⁽²⁾

PCB Records Request

To request a records search to determine the PCB content of PGE equipment, please contact PGE's Environmental Services to request a PCB Inquiry form. The form can be sent electronically or by postal service, if needed. Complete the form and return it, along with payment to: PGE PCB Inquiry, 121 SW Salmon Street, WTCBR05, Portland, OR 97204. Checks are made payable to PGE PCB Inquiry and submitted with the PCB Inquiry form.

-
- (1) PGE transformers often have stickers which indicate the PCB concentration of the oil within that transformer. The Customer may determine the content by observing the sticker. The PCB content of equipment with green stickers is unknown. However, blue stickers indicate <1 parts per million (PPM) PCB, red stickers indicate <15 ppm PCB, and black stickers indicate <48 ppm PCB.
- (2) The additional cost of testing PCB concentration is determined on a site-by-site basis, and based on whether the following activities are required: de-energizing equipment, collecting samples, contracting sample analyses, and preparation of a summary report. In some instances, a proposal from a contractor may be required.

SCHEDULE 300 (Continued)

LINE EXTENSIONS (Rule I)

Line Extension Allowance (Section 1)⁽¹⁾

Residential Service All Electric ⁽²⁾	\$2,260.00 / dwelling unit
Residential Service Primary Other ⁽³⁾	\$1,590.00 / dwelling unit
Schedule 32	\$0.2564 / estimated annual kWh
Schedules 38 and 83	\$0.1050 / estimated annual kWh
Schedules 85 and 89 Secondary Voltage Service	\$0.0778 / estimated annual kWh
Schedules 85 and 89 Primary Voltage Service	\$0.0429 / estimated annual kWh
Schedules 15, 91 and 95 Outdoor Lighting	\$0.1529 / estimated annual kWh
Schedule 92 Traffic Signals	\$0.0424 / estimated annual kWh
Schedules 47 and 49	\$0.0980 / estimated annual kWh

Trenching or Boring (Section 2)

~~Trenching and backfilling associated with Service Installation except where General Rules and Regulations require actual cost.~~

~~In Residential Subdivisions:~~

Short-side service connection up to 30 feet	\$ 100.00
Otherwise:	
First 75 feet or less	\$ 219.00
Greater than 75 feet	\$ 3.80 /foot

Trenching, boring, excavating, backfilling, ducts, raceways, road crossings, paving, vaults, transformer pads and any required permits
Mainline trenching, boring and backfilling

Estimated Actual Cost

Lighting Underground Service Areas⁽⁴⁾

Installation of conduit on a wood pole for lighting purposes

Estimated Actual Cost

- (1) Estimated annual kWh values used to calculate non-Residential Customer line extension allowances do not reflect onsite generation.
- (2) Residential All Electric Service is a dwelling where the primary heating is provided by an active electric HVAC-system. Common qualifying system include but are not limited to stand-alone ducted heat pumps, ducted heat pumps with auxiliary electric resistant heat strips, ductless mini-splits, and packaged terminal air conditioners. Electric resistant heat strips, baseboards, and electric resistant in-wall heaters are allowed as back-up heat source. Dwellings heated solely by electric resistance heating systems without a primary qualifying electric heating system are excluded from the Residential All Electric Service Line extension allowance.
- (3) Residential Service Primary Other is a dwelling where the primary heating source is provided by an alternative HVAC-system that uses heating fuels such as natural gas, propane, oil, and biodiesel. Common qualifying HVAC-systems include but are not limited to stand-alone combustion furnaces, combustion furnaces with air conditioners, combustion furnaces with heat pumps, as well as gas boilers. Dwellings heated primarily by electric resistance heating and passive means also fall into this category.

~~(4) Applies only to 1 inch conduit without brackets.~~

SCHEDULE 300 (Concluded)

LINE EXTENSIONS (Rule I) Continued

Additional Services (Section 3)

(applies solely to Residential Subdivisions in Underground Service Areas)

Service Guarantee	\$ 100.00
Wasted Trip Charge	\$ 180.00
Service Locate Charge	\$ 30.00
Long Side Service Connection	\$ 120.00

SERVICE OF LIMITED DURATION (Rule L)

Standard Temporary Service

Service Connection Required:

No permanent Customer obtained	\$1,146.00
Permanent Customer obtained	
Overhead Service	\$670.00
Underground Service	\$672.00
Existing service	\$870.00

Enhanced Temporary Service

Fixed fee for initial 6-month period	\$963.00
Fixed fee per 6-month renewal	\$415.00

Temporary Area Lights Estimated Actual Cost⁽¹⁾

PGE TRAINING

Educational and Energy Efficiency (EE) training available to:

PGE Business Customer	No Charge ⁽²⁾
Non-PGE Business Customer	Estimated Actual Cost ⁽³⁾

- (1) Based on install and removal labor for pole(s) and luminaire(s), including any construction costs (i.e., permitting, flagging, etc) and any facilities to energize luminaire(s). See Schedule 15 regarding the monthly energy and maintenance cost.
- (2) Charges may be assessed for training courses registered through the states of Oregon and Washington for electrical licensees.
- (3) Based on the cost associated with instructor, facility, food, and materials per attendee.

**SCHEDULE 491
STREET AND HIGHWAY LIGHTING
COST OF SERVICE OPT-OUT**

AVAILABLE

In all territory served by the Company.

APPLICABLE

To municipalities or agencies of federal or state governments with no fewer than 30,000 lights purchasing Direct Access for lighting service utilizing Company approved streetlighting equipment for public streets and highways and public grounds where funds for payment of Electricity are provided through taxation or property assessment. Service under this schedule is limited to the first 300 MWa that applies to Schedules 485, 489, 490, 491, 492, and 495.

CHARACTER OF SERVICE

From dusk to dawn daily, controlled by a photoelectric control to be mutually agreeable to the Customer and Company for an average of 4,100 hours annually.

LUMINAIRE SERVICE OPTIONS - The Company offers the following Luminaire Service Options at the applicable rates specified herein.

The Customer will elect the Luminaire Service Option at the time of initial luminaire installation.

Option A - Luminaire

Option A provides electricity service to luminaires that are purchased, owned, and maintained by the Company with attachment to Company-owned poles at the monthly Option A rate applicable to the installed type of light.

Maintenance Service under Option A

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace inoperable luminaires as soon as reasonably possible, subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

(1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 491 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option A - Luminaire (Continued)

The Customer is responsible for repair or replacement of luminaires and circuits damaged as a result of rotted wood poles owned by the Customer.

The Company may remove or discontinue service to any luminaire and related equipment that has become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, and lightning, proximity to interference by trees or structures, or other causes as determined by the Company. The Company will notify the Customer as soon as reasonably practical of any such service discontinuation and luminaire replacement schedule.

Option B - Luminaire

Option B provides electricity service to Customer purchased and owned luminaires at the monthly Option B rate applicable to the installed type of light.

The Company does not at any time assume ownership of Option B luminaires.

As defined herein, the Company provides for maintenance only to luminaires and related equipment at the applicable monthly Option B rate. The Company will replace non-repairable Option B luminaires for which the Customer is charged and billed the appropriate replacement costs ⁽¹⁾, in addition to the applicable monthly Option B rate.

Maintenance Service under Option B

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Maintenance under Option B luminaires specifically does not include replacement of failed or failing ballasts or replacement of luminaires that are deemed inoperable due to general deterioration, lack of replacement parts, or replacement of parts associated with Emergency Repair that will not bring the unit into operable status. Such inoperable luminaires will be designated as non-repairable luminaires. ~~This exclusion does not include replacements of Power Doors where the Customer is qualified and paying the applicable Cobrahead Power Door rate.~~ In addition, Maintenance under Option B luminaires excludes maintenance related to vegetation management, luminaire relocation or modification of the luminaire (such as adding light shields).

(1) Replacement costs include: Installation Labor + Material costs and loading + Removal Labor = total billable charges. For applicable labor rates, refer to ~~page 594-6 of~~ this Schedule.

SCHEDULE 491 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option B - Luminaire (continued):

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace damaged luminaires that have been deemed inoperable due to the acts of vandalism, damage claim incidences and storm related events that cause a luminaire to become inoperable.

Without obligation or notice to the Customer, following actual knowledge of an inoperable luminaire, the company will attempt to repair the photocell as soon as reasonably possible; if PGE does not possess the parts necessary for repair, PGE will replace inoperable luminaires with the equivalent LED luminaire. individual lamps will be replaced on burnout as soon as reasonably possible subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

Non-operating luminaires will be repaired by the Company without additional charge to the Customer only when the luminaire can be restored to operable status by repair or replacement of certain failed parts including the lamp, power door (if applicable), photoelectric controller, starter and lens. If repair efforts by the Company do not result in an operable luminaire, the luminaire will be designated as non-repairable and replaced, the cost of such replacement is the responsibility of the Customer.

Special Provisions for Option B Luminaire Maintenance

1. Non-repairable luminaires will be replaced with in-kind equipment, except as provided below, by the Company on the Company's schedule. Replacement is limited to Company-approved equipment at the date of installation, for which the Customer is charged and billed the appropriate prevailing costs upon completion of the work. The Company will provide to the Customer, subsequent to the luminaire replacement, a cost itemization of amounts to be paid by the Customer and additional information specifying luminaire location, age, repair history, replacement luminaire type, and reason for designation as non-repairable luminaire. The Company is not obligated to notify the Customer prior to replacement nor retain the replaced non-repairable luminaire.
2. The Company may discontinue service to Option B luminaires and related equipment, which in the opinion of the Company have become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, lightning, proximity to or unsafe interference by trees or structures or other causes. The Company will notify the Customer of such discontinuance of service.

1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 491 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Special Provisions for Option B Luminaire Maintenance (Continued)

3. If damage occurs to any streetlight more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will then pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.

Option C – Luminaire

Option C provides electricity service to luminaires that are purchased, owned and maintained by the Customer and installed on Customer-owned poles. As a condition to the election of Option C, Customer is responsible for ensuring that all new underground service installations of Option C luminaires are isolated by a disconnect switch or fuse. Both the equipment used to isolate the luminaire and its location must be approved by the Company.

Maintenance Service under Option C

The Company does not maintain Customer-purchased lighting when mounted on Customer-owned poles. Such maintenance and service is the sole responsibility of the Customer.

Special Provisions for Option B to Option C Luminaire Conversion and Future Maintenance Election

1. The Company will, with not less than 180 days written notice from the Customer (the requesting municipality) and subject to completion of all conditions necessary to finalize such election, convert the entirety of the Customer's lighting service under Option B luminaire lighting rates to the equivalent Option C luminaires lighting rates (with respect to Monthly kWh usage) including Option B luminaires attachment to Company-owned poles.
2. Upon such conversion, the Customer will assume all on-going maintenance responsibilities for the luminaires and associated circuits in accordance with this schedule's provisions for Option C luminaires. The Customer may not require that the Company provide new Option B lighting following the conversion to Option C luminaires. The Customer must notify and inform all affected residents of the conversion that all maintenance and repair services are the sole responsibility of the Customer, and not the Company.
3. The Customer may choose the Schedule 91 Option B to Schedule 95 Option C Luminaire Conversion and Future Maintenance Election as described in Schedule 95 if converting to Schedule 95 Option C luminaires and the above notice has not been given.

SCHEDULE 491 (Continued)

STREETLIGHT POLES SERVICE OPTIONS

Option A – Poles

Option A provides for Company purchased and owned streetlight poles.

Pole Maintenance under Option A

Maintenance of Option A poles includes straightening of leaning poles, the replacement of rotted wood poles no longer structurally sound or any pole, which by definition, has reached its natural end of life at no additional charge to the customer. Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles.

Emergency Pole Replacement and Repair

The Company will repair or replace structurally unsound poles at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is and subject to the Company's operating schedules and requirements and at no additional charge to the Customer.

Option B - Poles

Option B provides for Customer purchased and owned streetlight poles. The Company does not, at any time, assume ownership of Option B streetlight poles.

Maintenance Service under Option B

The Company provides for maintenance only as defined herein to Customer purchased and owned poles and related equipment at the applicable monthly Option B rate and subject to the Company's operating schedules and requirements.

Maintenance of Option B poles includes straightening of leaning poles.

Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles, nor does maintenance of Option B poles include replacement of rotted wood poles no longer structurally sound, or any pole which by definition has reached its natural end of life.

Upon Customer request, the Company may install and replace Option B poles at their discretion that have reached their natural end of life. All costs associated to the installation and removal of any pole is the sole responsibility of the Customer, in addition to the applicable monthly Option B rate.

SCHEDULE 491 (Continued)

STREETLIGHT POLES SERVICE OPTIONS (Continued)

Option B – Pole maintenance (Continued)

Emergency Pole Replacement and Repair

The Company will repair or replace damaged streetlight poles that have been damaged due to the acts of vandalism, damage claim incidences and storm related events that cause a pole to become structurally unsound at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is subject to the Company's operating schedules and requirements.

Special Provisions for Option B - Poles

1. If damage occurs to any streetlighting pole more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will be responsible to pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.
2. Non-Standard or Custom poles are provided at the Company's discretion to allow greater flexibility in the choice of equipment. The Company will not maintain an inventory of this equipment and thus delays in maintenance may occur. The Company will order and replace the equipment subject to availability since non-standard and custom equipment is subject to obsolescence. The Customer will pay for any additional cost to the Company for ordering non-standard equipment.

MONTHLY RATE

The service rates for Option A and B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

Distribution Charge

6.259 ¢ per kWh

MARKET BASED PRICING OPTION

Energy Supply

The Customer may elect to purchase Energy from an Electricity Service Supplier (ESS) (Direct Access Service) or from the Company. Such election will be for all of the Customer's Service Points (SPs) under this schedule.

SCHEDULE 491 (Continued)

MARKET BASED PRICING OPTION (Continued)

Direct Access Service

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, Transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS.

Company Supplied Energy

Upon not less than five business days notice, the Customer may choose the Company Supplied Energy Charge option. The election of this option will be effective on the next regularly scheduled meter reading date, but with not less than a five business day notice to the Company prior to the scheduled meter read date.

The Company Supplied Energy Option is the Intercontinental Exchange Mid-Columbia Daily on- and off-peak Electricity Firm Price Index (ICE-Mid-C Index) plus 2 mills per kWh plus losses. If prices are not reported for a particular day or days, the average of the immediately preceding and following reported days' on- and off-peak prices will be used to determine the price for the non-reported period. Prices reported with no transaction volume or as "survey-based" will be considered reported.

Wheeling Charge

The Wheeling Charge will be \$1.964 per kW of monthly Demand.

Transmission Charge

Transmission and Ancillary Service Charges will be as specified in the Company's Open Access Transmission Tariff (OATT) as filed and approved by the Federal Energy Regulatory Commission.

ON AND OFF PEAK HOURS

On-peak hours are between 6:00 a.m. and 10:00 p.m. Monday through Saturday. Off-peak hours are between 10:00 p.m. and 6:00 a.m. Monday through Saturday and all day Sunday.

LOSSES

The following adjustment factors will be used where losses are to be included in the energy charges:

Secondary Delivery Voltage	1.0640
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SCHEDULE 491 (Continued)

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rates	Straight Time	Overtime ⁽¹⁾
	\$132.00 per hour	\$170.00 per hour

(1) Per Article 20.2 of the Collective Bargaining Agreement Union No. 125 Contract, overtime is paid at the Overtime Rate for a minimum of one hour.

**RATES FOR STANDARD LIGHTING
High-Pressure Sodium (HPS) Only – Service Rates**

<u>Type of Light</u>	<u>Watts</u>	Nominal <u>Lumens</u>	Monthly <u>kWh</u>	Monthly Rates		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Cobrahead Power Doors **	70	6,300	30	*	\$2.81	\$2.81
	100	9,500	43	*	\$3.68	\$2.69
	150	16,000	62	*	4.75	3.76
	200	22,000	79	*	5.97	*
	250	29,000	102	*	7.21	6.18
Cobrahead, Non-Power Door	400	50,000	163	*	11.25	10.20
	70	6,300	30	\$7.99	3.17	1.88
	100	9,500	43	7.94	3.88	2.69
	150	16,000	62	*	5.08	3.88
	200	22,000	79	10.79	6.20	4.94
Flood	250	29,000	102	11.76	7.59	6.38
	400	50,000	163	15.81	11.43	10.20
	400	50,000	163	17.60	11.63	10.20
Early American Post-Top	100	9,500	43	9.51	4.07	2.69
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	7.75	3.15	1.88
	100	9,500	43	*	4.03	2.69
	150	16,000	62	*	5.27	3.88

* Not offered.

** Service is only available to customers with total power doors luminaires in excess of 2,500.

SCHEDULE 491 (Continued)

RATES FOR STANDARD POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black, Bronze or Gray	20	\$5.44	\$0.18
Fiberglass, Black or Bronze	30	8.85	0.30
Fiberglass, Gray	30	8.85	0.30
Fiberglass, Smooth, Black or Bronze	18	5.80	0.19
Fiberglass, Regular	18	4.90	0.16
Black, Bronze, or Gray	35	8.62	0.29
Aluminum, Regular with Breakaway Base	35	17.68	0.59
<u>Aluminum, Smooth, Black, Pendant</u>	<u>23</u>	<u>18.05</u>	<u>0.60</u>
Wood, Standard	30 to 35	6.60	0.22
Wood, Standard	40 to 55	7.76	0.26

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Types						
HPS	100	9,500	43	\$13.98	\$4.59	\$2.69
HADCO Victorian, HPS	150	16,000	62	15.18	5.79	3.88
	200	22,000	79	14.67	6.67	4.94
	250	29,000	102	16.03	8.10	6.38
HADCO Capitol Acorn, HPS	100	9,500	43	16.45	4.88	2.69
	150	16,000	62	*	6.02	3.88
	200	22,000	79	*	7.16	*
	250	29,000	102	*	8.32	6.18
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	*	4.51	2.69
	150	16,000	62	*	*	3.88
HADCO Techtra, HPS	100	9,500	43	*	5.32	*
	150	16,000	62	22.64	6.61	3.88
	250	29,000	102	*	9.01	*
HADCO Westbrooke, HPS	70	6,300	30	14.78	3.94	*
	100	9,500	43	15.87	4.78	2.69

* Not offered.

SCHEDULE 491 (Continued)

RATES FOR CUSTOM LIGHTING (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
HADCO Westbrooke, HPS	150	16,000	62	*	\$6.31	*
	200	22,000	79	*	6.03	*
	250	29,000	102	\$17.94	8.28	*
Special Types						
Flood, Metal Halide	350	30,000	139	—*	10.02	8.42
Flood, HPS	750	105,000	285	28.63	*	*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	\$4.01
Ornamental Acorn	55	2,800	21	*	*	1.31
Ornamental Acorn Twin	55	5,600	42	*	*	2.63
Composite, Twin	140	6,815	54	*	*	3.38
	175	9,815	66	*	*	4.13

RATES FOR CUSTOM POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Regular	25	\$9.35	\$0.31
	30	10.71	0.36
	35	12.38	0.41
Aluminum Davit	25	9.97	0.33
	30	11.21	0.38
	35	12.80	0.43
	40	16.42	0.55
Aluminum Double Davit	30	12.42	0.42
Aluminum, Fluted Ornamental	14	8.82	0.30

* Not offered.

** Rates are based on current kWh energy charges.

SCHEDULE 491 (Continued)

RATES FOR CUSTOM POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length</u> (feet)	Monthly Rates	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Smooth Techtra Ornamental	18	\$18.84	\$0.63
Aluminum, Fluted Ornamental	16	9.15	0.31
Aluminum, Double-Arm, Smooth Ornamental	<u>25</u>	14.86	0.50
Aluminum, Fluted Westbrooke	18	17.72	0.59
Aluminum, Non-Fluted Ornamental, Pendant	<u>18</u>	17.61	0.59
Fiberglass, Fluted Ornamental Black	14	11.62	0.39
Fiberglass, Anchor Base, Gray or Black	35	11.72	0.39
Fiberglass, Anchor Base (Color may vary)	25	10.45	0.35
	30	12.75	0.43

SERVICE RATE FOR OBSOLETE LIGHTING

The following equipment is not available for new installations under Options A and B. To the extent feasible, maintenance will be provided. Obsolete Lighting will be replaced with the Customer's choice of Standard or Custom equipment. The Customer will then be billed at the appropriate Standard or Custom rate. If an existing mercury vapor luminaire requires the replacement of a ballast, the unit will be replaced with a corresponding HPS unit.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	Monthly Rates		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Cobrahead, Metal Halide	150	10,000	60	*	*	\$3.76
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.44
	175	7,000	66	\$9.22	\$5.31	4.13
	250	10,000	94	*	*	5.88
	400	21,000	147	14.51	10.42	9.20
	1,000	55,000	374	29.34	24.74	23.41
Holophane Mongoose, HPS	150	16,000	62	*	5.87	*
	250	29,000	102	*	8.40	*

* Not offered.

SCHEDULE 491 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$7.60	*	*
Mercury Vapor	175	7,000	66	9.83	\$5.40	\$4.13
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	70	6,300	60	*	*	*
	70	6,300	30	*	*	1.88
	100	9,500	43	*	4.26	*
	150	16,000	62	*	*	3.88
	250	29,000	102	*	*	6.38
	400	29,000	102	*	*	*
Metal Halide	250	20,500	99	*	7.24	6.20
	400	40,000	156	*	10.80	*
Cobrahead, Metal Halide	175	12,000	71	*	*	4.44
Flood, Metal Halide	400	40,000	156	15.61	*	9.76
Cobrahead, Dual Wattage, HPS						
—70/100 Watt Ballast	100	9,500	43	*	3.64	*
—100/150 Watt Ballast	100	9,500	43	*	3.64	*
—100/150 Watt Ballast	150	16,000	62	*	4.79	3.76
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	4.91	3.88
KIM Archetype, HPS	250	29,000	102	*	8.42	6.38
	400	50,000	163	*	12.64	10.20

* Not offered

SCHEDULE 491 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Type, HPS	70	6,300	30	\$10.30	\$3.52	*
Special GardCo Bronze Alloy						
HPS	70	5,000	30	*	*	\$1.88
Mercury Vapor	175	7,000	66	*	*	4.13
Early American Post-Top, HPS						
Black	70	6,300	30	6.80	3.05	1.88
Rectangle Type	200	22,000	79	*	*	4.94
Incandescent	92	1,000	31	*	*	1.94
	182	2,500	62	*	*	3.88
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	9.46	5.34	4.13
Flood, HPS	70	6,300	30	7.26	*	*
	100	9,500	43	7.83	3.88	*
	200	22,000	79	10.71	6.22	4.94
Cobrahead, HPS						
—Power Door	310	370,000	124	*	8.88	7.51
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.69
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.38
Compact Fluorescent	28	N/A	12	*	*	0.75

* Not offered.

SCHEDULE 491 (Continued)

RATES FOR OBSOLETE LIGHTING POLES

<u>Type of Pole</u>	<u>Poles Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum Post	30	\$4.99	*
Aluminum, Painted Ornamental	35	*	\$0.43
Aluminum, Regular	16	5.04	0.17
Bronze Alloy GuardCo	42	*	0.24
Concrete, Ornamental	35 or less	9.24	0.31
Fiberglass, Direct Bury with Shroud	18	7.40	0.25
Steel, Painted Regular **	25	9.24	0.31
Steel, Painted Regular **	30	10.56	0.35
Steel, Unpainted 6-foot Mast Arm **	30	*	0.35
Steel, Unpainted 6-foot Davit Arm **	30	*	0.35
Steel, Unpainted 8-foot Mast Arm **	35	*	0.43
Steel, Unpainted 8-foot Davit Arm **	35	*	0.43
Wood, Laminated without Mast Arm	20	*	0.18
Wood, Laminated Street Light Only	20	5.46	*
Wood, Curved Laminated	30	*	0.25
Wood, Painted Underground	35	6.54	0.22

* Not offered.

** Maintenance does not include replacement of rusted steel poles.

SERVICE RATES FOR ALTERNATIVE LIGHTING

The purpose of this series of luminaires is to provide lighting utilizing the latest in technological advances in lighting equipment. The Company does not maintain an inventory of this equipment, and so delays with maintenance are likely. This equipment is more subject to obsolescence since it is experimental and yet to be determined reliable or cost effective. The Company will order and replace the equipment subject to availability.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Architectural Types Including Philips QL Induction Lamp Systems						
HADCO Victorian, QL	85	6,000	32	*	*	\$2.00
	165	12,000	60	*	*	3.76
	165	12,000	60	*	*	3.76

SCHEDULE 491 (Continued)

SPECIALTY SERVICES OFFERED

Upon Customer request and subject to the Company's operating constraints, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

ESS CHARGES

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

SPECIAL CONDITIONS

1. The Company may periodically offer temporary or experimental lighting equipment that is not otherwise listed in this rate schedule. Temporary or experimental lighting will be offered at a billing rate based on approved prices for near equivalent lighting service equipment. The use of temporary or experimental lighting will be for a limited duration not to exceed one year at which time the lighting service equipment will either be removed or the Company will file with the Commission to add the luminaire type to this rate schedule.
2. Customer is responsible for the cost associated with trenching, boring, conduit and restoration required for underground service to streetlighting.
3. Unless otherwise specifically provided, the location of Company-owned streetlighting equipment and poles may be changed at the Customer's request and upon payment by the Customer of the costs of removal and reinstallation.
4. If Company-owned streetlighting equipment or poles are removed at the Customer's request, a charge will be made consisting of the estimated original cost, less depreciation, less salvage value, plus removal cost. This provision does not pertain to the sale of Company-owned equipment. This condition applies if a Customer's selection of service under this Schedule requires the removal of Company-owned streetlighting equipment or poles.

SCHEDULE 491 (Continued)

SPECIAL CONDITIONS (Continued)

5. If circuits or poles not already covered under Special Condition 2 or 3 are removed or relocated at the Customer's request, the Customer is responsible for all associated costs for labor and materials incurred when fulfilling this request.
6. For Option C lights: The Company does not provide the circuit on new installations.
7. For Option C lights in service prior to January 31, 2006: When the Company furnishes Electricity to luminaires owned and maintained by the Customer and installed on Customer-owned poles that are not included in the list of equipment in this schedule, usage for the luminaire will be estimated by the Company. When the Customer and the Company cannot agree, the Commission will determine the estimate usage.
8. For Option A and Option B lights: The Company shall not be liable when either (i) the luminaires become inoperable or (ii) repair or replacement of inoperable luminaires is delayed or prevented; provided that, such inoperability of the luminaires or delay or prevention of repair or replacement is due to any cause beyond the Company's control, or that otherwise could not reasonably be foreseen or guarded against including but not limited to such causes as: strikes, lockouts, labor troubles, riots, insurrection, war, acts of God, extreme weather conditions, access to equipment, or the like.
9. For Option C lights: The Customer must ensure that (i) all maintenance and other work associated with this schedule is in compliance with the applicable requirements of OSHA, OPUC Safety Rules, the NESC and/or NEC and (ii) that all such work is performed by a Qualified Worker. A "Qualified Worker" means one who is knowledgeable about the construction and operation of the electric power generation, transmission, and distribution equipment as it relates to his or her work, along with the associated hazards, as demonstrated by satisfying the qualifying requirements for a "qualified person" or "qualified employee" with regard to the work in question as described in 29 CFR 1910.269 effective January 31, 1994, as it may be amended from time to time. In this case, a Qualified Worker is a journeyman lineman, or someone who has the equivalent training, expertise and experience to perform journeyman lineman work.

SCHEDULE 491 (Continued)

SPECIAL CONDITIONS (Continued)

10. Indemnity:

- a. For Option A lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, or agents that arise under this Schedule.
- b. For Option B lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, agents, or contractors that arise under this Schedule.
- c. For Option C lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. This paragraph applies only to Option C lights that are attached to poles owned by PGE and does not apply to Option C lights attached to poles owned by Customer.

SCHEDULE 491 (Continued)

SPECIAL CONDITIONS (Continued)

- d. For Option B and Option C lights: Customer has the obligation to ensure that any contractor performing any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting carry commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies. Customer will, at least seven (7) business days prior to the performance by a contractor of any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting, cause the contractor to furnish the Company with a certificate naming the Company as an additional insured under the contractor's commercial liability policy or policies. This paragraph shall not apply to Option C lights that are attached to poles owned by Customer.
- e. Customer will provide (i) commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies or (ii) proof of adequate self-insurance for the amounts identified. All Insurance certificates or proof of self-insurance required under this Schedule shall be sent to Portland General Electric Company, Utility Asset Management, 2213 SW 153rd, Beaverton, OR 97006. All insurance required by this Schedule, to the extent it is provided by an insurance carrier, must be provided by an insurance carrier rated "A-" VIII or better by the A.M. Best Key Rating Guide. All policies of insurance required to be carried under this Schedule shall not be cancelled, reduced in coverage or renewal refused without at least thirty (30) days' prior written notice to the Company. The insurance coverage required by this Schedule must (i) be primary over, and pay without contribution from, any other insurance or self-insurance used by the Company, and (ii) waive all rights of subrogation against the Company. Customer shall bear all costs of deductibles and shall remain solely and fully liable for the full amount of any liability to the Company that is not compensated by Customer's or contractor's insurance.
- f. The indemnifying party under this Schedule shall be liable only for third-party claims, actions, liability, costs, and expense pursuant to the terms of this Schedule and shall not be liable to the indemnified party for any of the indemnified party's special, punitive, exemplary, consequential, incidental or indirect losses or damages. For avoidance of doubt, the indemnifying party shall pay all reasonable attorneys' fees, experts' fees, and other legal expenses incurred in responding to or defending the third-party claim or action.

SCHEDULE 491 (Continued)

SPECIAL CONDITIONS (Continued)

11. The Customer is responsible for the cost of temporary disconnection and reconnection of Electricity Service. The Customer must provide written notice to request a temporary disconnection. During the period of temporary disconnection, the Customer remains responsible for all fixed charges in this schedule except for the cost of providing energy. After one year, the disconnection may no longer be considered temporary and the facilities removed with the Customer responsible for the cost listed in Special Condition No. 3 of this schedule.
12. For Option C lights: Customer is responsible to notify the Company within 30 days of conversions to Option C lights in this Schedule. The Company will limit all billing adjustments to 30 days back. The Company will use the nearest billing cycle date for all adjustments.
13. Customer is giving up the right granted under state law to receive Electricity from the Company at a rate based on the cost of electric generating resources owned in whole or in part by the Company. Customers enrolled for service under the Minimum Five-Year Option must give the Company not less than three years notice to terminate service under this schedule. Such notice will be binding.
14. At the time service terminates under this schedule, the Customer will be considered a new Customer for purposes of determining available service options. A Customer served under the Company Supplied Energy option must meet the terms of the service agreement associated with that service prior to termination of service under this schedule.
15. The rate the Customer pays for Electricity may be higher or lower than the rates charged by the Company to similar customers not taking service under this schedule, including competitors to the Customer.
16. Neither the Company, its employees and agents, the Commission nor any other agency of the State of Oregon has made any representation to the Customer regarding future Electricity prices that will result from the Customer's election of service under this schedule.
17. The Customer is selecting this schedule based solely upon its own analysis of the benefits of this schedule. The Customer has available to it Energy experts that assisted in making this decision.
18. The Customer warrants that the person signing the service agreement has full authority to bind the Customer to such agreement.

SCHEDULE 491 (Concluded)

SPECIAL CONDITIONS (Continued)

19. Direct Access Service is available only on acceptance of a Direct Access Service Request (DASR) by the Company. Where applicable, a Customer is required to have interval metering and meter communications in place prior to initiation of service under this schedule.
20. All lights corresponding to an individual municipal department must choose service under this schedule and/or Schedule 495.
21. Customers selecting service under this Schedule will be limited to a Company/ESS Split Bill.

TERM

Minimum Five-Year Option

The term of service will not be less than five years. Service will be year-to-year thereafter. Customers must give the Company not less than three years notice to terminate service under this schedule. Such notice will be binding.

Fixed Three-Year Option

The term of service will be three years. Upon completion of this three year term, the Customer will select service under any other applicable rate schedule, subject to all notice requirements and provisions of the schedule.

**SCHEDULE 515
OUTDOOR AREA LIGHTING
DIRECT ACCESS SERVICE**

AVAILABLE

In all territory served by the Company.

APPLICABLE

To Nonresidential Customers purchasing Direct Access Service for outdoor area lighting.

CHARACTER OF SERVICE

Lighting services, which consist of the provision of Company-owned luminaires mounted on Company-owned poles, in accordance with Company specifications as to equipment, installation, maintenance and operation.

The Company will replace lamps on a scheduled basis. Subject to the Company's operating schedules and requirements, the Company will replace individual burned-out lamps as soon as reasonably possible after the Customer or Electricity Service Supplier (ESS) notifies the Company of the burn-out.

MONTHLY RATE

The service rates below include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

Distribution Charge 6.278 ¢ per kWh

Rates for Area Lighting

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate⁽¹⁾ Per Luminaire</u>
Cobrahead Mercury Vapor	175	7,000	66	\$9.15 ⁽²⁾
	400	21,000	147	14.46 ⁽²⁾
	1,000	55,000	374	29.33 ⁽²⁾
HPS	70	6,300	30	7.91 ⁽²⁾
	100	9,500	43	7.87
	150	16,000	62	9.14
	200	22,000	79	10.73
	250	29,000	102	11.70
	310	37,000	124	13.97 ⁽²⁾
	400	50,000	163	15.76

(1) See Schedule 100 for applicable adjustments.

(2) No new service.

SCHEDULE 515 (Continued)

MONTHLY RATE (Continued)
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate⁽¹⁾ Per Luminaire</u>
Flood , HPS	100	9,500	43	\$7.76 ⁽²⁾
	200	22,000	79	10.65 ⁽²⁾
	250	29,000	102	13.73
	400	50,000	163	17.56
Shoebox, HPS (bronze color, flat lens, or drop lens, multi-volt)	70	6,300	30	7.67
	100	9,500	43	9.08
	150	16,500	62	10.73
Special Acorn Type, HPS	100	9,500	43	13.91
HADCO Victorian, HPS	150	16,500	62	15.11
	200	22,000	79	14.52
	250	29,000	102	15.83
Early American Post-Top, HPS, Black	100	9,500	43	9.44
Special Types				
Cobrahead, Metal Halide	150	10,000	60	11.32
Cobrahead, Metal Halide	175	12,000	71	10.17
Flood, Metal Halide	350	30,000	139	17.30
Flood, Metal Halide	400	40,000	156	15.56
Flood, HPS	750	105,000	285	28.60
HADCO Independence, HPS	100	9,500	43	13.41
HADCO Capital Acorn, HPS	100	9,500	43	-16.40
	200	22,000	79	18.87
	250	29,000	102	19.55
HADCO Techtra, HPS	100	9,500	43	20.53
	150	16,000	62	22.57
HADCO Westbrooke, HPS	70	6,300	30	-16.75
	100	9,500	43	-18.68
	250	29,000	102	-24.57
Holophane Mongoose, HPS	150	16,000	62	-20.04

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 515 (Continued)

MONTHLY RATE (Continued)
Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate⁽¹⁾ Per Luminaire</u>
HADCO Westbrooke, HPS	70	6,300	-30	—\$14.75
	100	9,500	-43	—15.82
	250	29,000	102	—17.76
Holophane Mongoose, HPS	150	16,000	-62	—15.91
Acorn				
LED	>35-40	3,262	13	\$13.93
	>40-45	3,500	15	14.05
	>45-50	5,488	16	11.59
	>50-55	4,000	18	14.24
	>55-60	4,213	20	14.37
	>60-65	4,273	21	14.43
	>65-70	4,332	23	14.17
	>70-75	4,897	25	14.68
HADCO LED	70	5,120	24	18.69
Roadway LED	>20-25	3,000	8	5.54
	>25-30	3,470	9	5.61
	>30-35	2,530	11	6.10
	>35-40	4,245	13	5.86
	>40-45	5,020	15	6.16
	>45-50	3,162	16	6.26
	>50-55	3,757	18	6.67
	>55-60	4,845	20	6.48
	>60-65	4,700	21	6.54
	>65-70	5,050	23	7.38
	>70-75	7,640	25	7.52
	>75-80	8,935	26	7.58
	>80-85	9,582	28	7.71
	>85-90	10,230	30	7.83
	>90-95	9,928	32	7.96
	>95-100	11,719	33	8.02
	>100-110	7,444	36	8.43
	>110-120	12,340	39	8.40
	>120-130	13,270	43	8.65
	>130-140	14,200	46	9.79
	>140-150	15,250	50	11.37

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 515 (Continued)

MONTHLY RATE (Continued)

Rates for Area Lighting (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rate⁽¹⁾ Per Luminaire</u>
Roadway LED (Cont)	>150-160	16,300	53	\$11.56
	>160-170	17,300	56	11.75
	>170-180	18,300	60	11.91
	>180-190	19,850	63	12.19
	>190-200	21,400	67	12.32
Pendant LED (Non-Flare)	36	3,369	12	15.61
	53	5,079	18	17.22
	69	6,661	24	17.35
	85	8,153	29	18.27
Pendant LED (Flare)	>35-40	3,369	13	15.28
	>40-45	3,797	15	15.40
	>45-50	4,438	16	15.46
	>50-55	5,079	18	18.37
	>55-60	5,475	20	18.50
	>60-65	6,068	21	18.56
	>65-70	6,661	23	17.79
	>70-75	7,034	25	17.92
	>75-80	7,594	26	18.20
>80-85	8,153	28	18.33	
CREE XSP LED	>20-25	2,529	8	5.69
	>30-35	4,025	11	5.88
	>40-45	3,819	15	6.13
	>45-50	4,373	16	6.19
	>55-60	5,863	20	6.52
	>65-70	9,175	23	7.21
	>90-95	8,747	32	7.78
130-140	18,700	46	10.08	
Post-Top, American Revolution LED	>30-35	3,395	11	8.66
	>45-50	4,409	16	8.97
Flood LED	>80-85	10,530	28	8.98
	120-130	16,932	43	10.47
	180-190	23,797	63	12.95
	370-380	48,020	127	21.42

(1) See Schedule 100 for applicable adjustments.

SCHEDULE 515 (Continued)

MONTHLY RATE (Continued)

Rates for Area Lighting (Continued)

Rates for Area Light Poles⁽²⁾

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rate Per Pole</u>
Wood, Standard	35 or less	\$6.33
	40 to 55	7.48
Wood, Painted Underground	35 or less	6.26 ⁽³⁾
Wood, Curved laminated	30 or less	7.40 ⁽³⁾
Aluminum, Regular	16	4.84
	25	9.01
	30	10.37
	35	12.04
Aluminum, Fluted Ornamental	14	8.61
Aluminum, Fluted Ornamental	16	8.94
Aluminum Davit	25	9.63
	30	10.86
	35	12.46
	40	16.01
Aluminum Double Davit	30	12.08
Aluminum, Smooth Techtra Ornamental	18	18.49
Aluminum, Fluted Ornamental	18	-17.63
Aluminum, Non fluted Ornamental, Pendant	18	-17.52
Fiberglass Fluted Ornamental; Black	14	11.35
Fiberglass, Regular		
Black	20	5.23
Gray or Bronze	30	8.51
Black, Gray, or Bronze	35	8.34
Fiberglass, Anchor Base, Gray or Black	35	11.45
Fiberglass, Anchor Base (Color may vary)	25	10.11
	30	12.40
Fiberglass, Direct Bury with Shroud	18	7.06
Aluminum, Regular with Breakaway Base	35	17.34
Aluminum, Double-Arm, Smooth Ornamental	25	14.52
<u>Aluminum, Smooth, Black, Pendant</u>	<u>23</u>	<u>17.70</u>

(2) No pole charge for luminaires placed on existing Company-owned distribution poles.

(3) No new service.

INSTALLATION CHARGE

See Schedule 300 regarding the installation of conduit on wood poles

Advice No. 23-40

Issued December 19, 2023

Brett Sims, Vice President

**Effective for service
on and after January 1, 2024**

SCHEDULE 515 (Concluded)

ESS CHARGES

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS. If the Customer chooses to receive an ESS Consolidated Bill, the Company's charges for Direct Access Service are not required to be separately stated on an ESS Consolidated Bill.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

SPECIAL CONDITIONS

1. The Company may periodically offer temporary or experimental lighting equipment that is not otherwise listed in this rate schedule. Temporary or experimental lighting will be offered at a billing rate based on approved prices for near equivalent lighting service equipment. The use of temporary or experimental lighting will be for a limited duration not to exceed one year at which time the lighting service equipment will either be removed or the Company will file to add the luminaire type to this rate schedule.
2. Maintenance of outdoor area lighting poles includes replacement of accidentally or deliberately damaged poles and luminaires. If damage occurs more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will pay for future installation or may mutually agree with the Company and pay to have the pole either completely removed or relocated.
3. If Company-owned area lighting equipment or poles are removed at the Customer's request, a charge will be made consisting of the estimated original cost, less depreciation, less salvage value, plus removal cost. This provision does not pertain to the sale of Company-owned equipment. This condition applies if a Customer's selection of service under this Schedule requires the removal of Company-owned area lighting equipment or poles.

TERM

Service under this schedule will not be for less than one year.

**SCHEDULE 591
STREET AND HIGHWAY LIGHTING
DIRECT ACCESS SERVICE**

AVAILABLE

In all territory served by the Company.

APPLICABLE

To municipalities or agencies of federal or state governments purchasing Direct Access for lighting service utilizing Company approved streetlighting equipment for public streets and highways and public grounds where funds for payment of Electricity are provided through taxation or property assessment.

CHARACTER OF SERVICE

From dusk to dawn daily, controlled by a photoelectric control to be mutually agreeable to the Customer and Company for an average of 4,100 hours annually.

LUMINAIRE SERVICE OPTIONS - The Company offers the following Luminaire Service Options at the applicable rates specified herein.

The Customer will elect the Luminaire Service Option at the time of initial luminaire installation.

Option A - Luminaire

Option A provides electricity service to luminaires that are purchased, owned, and maintained by the Company with attachment to Company-owned poles at the monthly Option A rate applicable to the installed type of light.

Maintenance Service under Option A

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace inoperable luminaires as soon as reasonably possible, subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

(1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 591 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option A - Luminaire (Continued)

The Customer is responsible for repair or replacement of luminaires and circuits damaged as a result of rotted wood poles owned by the Customer.

The Company may remove or discontinue service to any luminaire and related equipment that has become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, and lightning, proximity to interference by trees or structures, or other causes as determined by the Company. The Company will notify the Customer as soon as reasonably practical of any such service discontinuation and luminaire replacement schedule.

Option B - Luminaire

Option B provides electricity service to Customer purchased and owned luminaires at the monthly Option B rate applicable to the installed type of light.

The Company does not at any time assume ownership of Option B luminaires.

As defined herein, the Company provides for maintenance only to luminaires and related equipment at the applicable monthly Option B rate. The Company will replace non-repairable Option B luminaires for which the Customer is charged and billed the appropriate replacement costs ⁽¹⁾, in addition to the applicable monthly Option B rate.

Maintenance Service under Option B

Includes preventative group lamp replacement and glassware cleaning subject to the Company's operating schedule.

Maintenance under Option B luminaires specifically does not include replacement of failed or failing ballasts or replacement of luminaires that are deemed inoperable due to general deterioration, lack of replacement parts, or replacement of parts associated with Emergency Repair that will not bring the unit into operable status. Such inoperable luminaires will be designated as non-repairable luminaires. ~~This exclusion does not include replacements of Power Doors where the Customer is qualified and paying the applicable Cobrahead Power Door rate.~~ In addition, Maintenance under Option B luminaires excludes maintenance related to vegetation management, luminaire relocation or modification of the luminaire (such as adding light shields).

(1) Replacement costs include: Installation Labor + Material costs and loading + Removal Labor = total billable charges. For applicable labor rates, refer to ~~page 591-6~~ of this Schedule.

SCHEDULE 591 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Option B - Luminaire (continued):

Emergency Lamp Replacement and Luminaire Repair

The Company will repair or replace damaged luminaires that have been deemed inoperable due to the acts of vandalism, damage claim incidences and storm related events that cause a luminaire to become inoperable.

Without obligation or notice to the Customer, following actual knowledge of an inoperable luminaire, the company will attempt to repair the photocell as soon as reasonably possible; if PGE does not possess the parts necessary for repair, PGE will replace inoperable luminaires with the equivalent LED luminaire. individual lamps will be replaced on burnout as soon as reasonably possible subject to the Company's operating schedule, following actual knowledge of an inoperable luminaire. "Actual knowledge" for these purposes requires notification to PGE's Customer Service or PGE's Outdoor Lighting Services⁽¹⁾ department by the Customer, a member of the public, or a PGE employee performing luminaire replacement work. PGE has no obligation for repair or replacement of inoperable luminaires other than as described in this section of the tariff.

Non-operating luminaires will be repaired by the Company without additional charge to the Customer only when the luminaire can be restored to operable status by repair or replacement of certain failed parts including the lamp, power door (if applicable), photoelectric controller, starter and lens. If repair efforts by the Company do not result in an operable luminaire, the luminaire will be designated as non-repairable and replaced, the cost of such replacement is the responsibility of the Customer.

Special Provisions for Option B Luminaire Maintenance

1. Non-repairable luminaires will be replaced with in-kind equipment, except as provided below, by the Company on the Company's schedule. Replacement is limited to Company-approved equipment at the date of installation, for which the Customer is charged and billed the appropriate prevailing costs upon completion of the work. The Company will provide to the Customer, subsequent to the luminaire replacement, a cost itemization of amounts to be paid by the Customer and additional information specifying luminaire location, age, repair history, replacement luminaire type, and reason for designation as non-repairable luminaire. The Company is not obligated to notify the Customer prior to replacement nor retain the replaced non-repairable luminaire.
2. The Company may discontinue service to Option B luminaires and related equipment, which in the opinion of the Company have become unsafe or unsatisfactory for further service by reason of deterioration, storm, flood, lightning, proximity to or unsafe interference by trees or structures or other causes. The Company will notify the Customer of such discontinuance of service.

1) Contact PGE's Outdoor Lighting Services at 503-736-5710, PGE's Customer Service 503-228-6322 or 1- 800-542-8818, or www.portlandgeneral.com to report an inoperable streetlight.

SCHEDULE 591 (Continued)

LUMINAIRE SERVICE OPTIONS (Continued)

Special Provisions for Option B Luminaire Maintenance (Continued)

3. If damage occurs to any streetlight more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will then pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.

Option C – Luminaire

Option C provides electricity service to luminaires that are purchased, owned and maintained by the Customer and installed on Customer-owned poles. As a condition to the election of Option C, Customer is responsible for ensuring that all new underground service installations of Option C luminaires are isolated by a disconnect switch or fuse. Both the equipment used to isolate the luminaire and its location must be approved by the Company.

Maintenance Service under Option C

The Company does not maintain Customer-purchased lighting when mounted on Customer-owned poles. Such maintenance and service is the sole responsibility of the Customer.

Special Provisions for Option B to Option C Luminaire Conversion and Future Maintenance Election

1. The Company will, with not less than 180 days written notice from the Customer (the requesting municipality) and subject to completion of all conditions necessary to finalize such election, convert the entirety of the Customer's lighting service under Option B luminaire lighting rates to the equivalent Option C luminaires lighting rates (with respect to Monthly kWh usage) including Option B luminaires attachment to Company-owned poles.
2. Upon such conversion, the Customer will assume all on-going maintenance responsibilities for the luminaires and associated circuits in accordance with this schedule's provisions for Option C luminaires. The Customer may not require that the Company provide new Option B lighting following the conversion to Option C luminaires. The Customer must notify and inform all affected residents of the conversion that all maintenance and repair services are the sole responsibility of the Customer, and not the Company.
3. The Customer may choose the Schedule 91 Option B to Schedule 95 Option C Luminaire Conversion and Future Maintenance Election as described in Schedule 95 if converting to Schedule 95 Option C luminaires and the above notice has not been given.

SCHEDULE 591 (Continued)

STREETLIGHT POLES SERVICE OPTIONS

Option A – Poles

Option A provides for Company purchased and owned streetlight poles.

Pole Maintenance under Option A

Maintenance of Option A poles includes straightening of leaning poles, the replacement of rotted wood poles no longer structurally sound or any pole, which by definition, has reached its natural end of life at no additional charge to the customer. Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles

Emergency Pole Replacement and Repair

The Company will repair or replace structurally unsound poles at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is and subject to the Company's operating schedules and requirements and at no additional charge to the Customer.

Option B - Poles

Option B provides for Customer purchased and owned streetlight poles. The Company does not, at any time, assume ownership of Option B streetlight poles.

Maintenance Service under Option B

The Company provides for maintenance only as defined herein to Customer purchased and owned poles and related equipment at the applicable monthly Option B rate and subject to the Company's operating schedules and requirements.

Maintenance of Option B poles includes straightening of leaning poles.

Pole maintenance does not include painting of fiberglass, or painting, staining, treating or testing wood poles, nor does maintenance of Option B poles include replacement of rotted wood poles no longer structurally sound, or any pole which by definition has reached its natural end of life.

Upon Customer request, the Company may install and replace Option B poles at their discretion that have reached their natural end of life. All costs associated to the installation and removal of any pole is the sole responsibility of the Customer, in addition to the applicable monthly Option B rate.

SCHEDULE 591 (Continued)

STREETLIGHT POLES SERVICE OPTIONS (Continued)

Option B – Pole maintenance (Continued)

Emergency Pole Replacement and Repair

The Company will repair or replace damaged streetlight poles that have been damaged due to the acts of vandalism, damage claim incidences and storm related events that cause a pole to become structurally unsound at no additional cost to the customer.

Without notice to the Customer, individual poles that are damaged or destroyed by unexpected events will be replaced on determination that the pole is unfit for further use as soon as reasonably possible. Replacement is subject to the Company's operating schedules and requirements.

Special Provisions for Option B - Poles

1. If damage occurs to any streetlighting pole more than two times in any 12-month period measured from the first incidence of damage that requires replacement, the Customer will be responsible to pay for future installations or mutually agree with the Company and pay to have the pole either completely removed or relocated.
2. Non-Standard or Custom poles are provided at the Company's discretion to allow greater flexibility in the choice of equipment. The Company will not maintain an inventory of this equipment and thus delays in maintenance may occur. The Company will order and replace the equipment subject to availability since non-standard and custom equipment is subject to obsolescence. The Customer will pay for any additional cost to the Company for ordering non-standard equipment.

MONTHLY RATE

The service rates for Option A and B lights include the following charges for each installed luminaire based on the Monthly kWhs applicable to each luminaire.

Distribution Charge

6.259 ¢ per kWh

Energy Charge

Provided by Electricity Service Supplier

NOVEMBER ELECTION WINDOW

The November Election Window begins at 2:00 p.m. on November 15th (or the following business day if the 15th falls on a weekend or holiday). The November Election Window will remain open until 5:00 p.m. at the close of the fifth consecutive business day.

During a November Election Window, a Customer may notify the Company of its choice to change to any service options for an effective date of January 1st. Customers may notify the Company of a choice to change service options using the Company's website, <https://portlandgeneral.com/PortlandGeneral.com/business>

Advice No. 23-40

Issued December 19, 2023
Brett Sims, Vice President

Effective for service
on and after January 1, 2024

SCHEDULE 591 (Continued)

REPLACEMENT OF NON-REPAIRABLE LUMINAIRES INSTALLATION LABOR RATES

Labor Rates	Straight Time	Overtime ⁽¹⁾
	\$132.00 per hour	\$170.00 per hour

(1) Per Article 20.2 of the Collective Bargaining Agreement Union No. 125 Contract, overtime is paid at the Overtime Rate for a minimum of one hour.

**RATES FOR STANDARD LIGHTING
High-Pressure Sodium (HPS) Only – Service Rates**

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Cobrahead Power Doors **	70	6,300	30	*	\$2.81	—\$2.81
	100	9,500	43	*	\$3.68	\$2.69
	150	16,000	62	*	4.75	—3.76
	200	22,000	79	*	5.97	*
	250	29,000	102	*	7.21	—6.18
Cobrahead, Non-Power Door	400	50,000	163	*	11.25	10.20
	70	6,300	30	\$7.99	3.17	1.88
	100	9,500	43	7.94	3.88	2.69
	150	16,000	62	*	5.08	3.88
	200	22,000	79	10.79	6.20	4.94
	250	29,000	102	11.76	7.59	6.38
Flood	400	50,000	163	15.81	11.43	10.20
	250	29,000	102	13.78	7.81	6.38
Early American Post-Top	400	50,000	163	17.60	11.63	10.20
	100	9,500	43	9.51	4.07	2.69
Shoebox (Bronze color, flat Lens, or drop lens, multi-volt)	70	6,300	30	7.75	3.15	1.88
	100	9,500	43	*	4.03	2.69
	150	16,000	62	*	5.27	3.88

* Not offered.

** Service is only available to customers with total power doors luminaires in excess of 2,500.

SCHEDULE 591 (Continued)

RATES FOR STANDARD POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Fiberglass, Black, Bronze or Gray	20	\$5.44	\$0.18
Fiberglass, Black or Bronze	30	8.85	0.30
Fiberglass, Gray	30	8.85	0.30
Fiberglass, Smooth, Black or Bronze	18	5.80	0.19
Fiberglass, Regular	18	4.90	0.16
Black, Bronze, or Gray	35	8.62	0.29
Aluminum, Regular with Breakaway Base	35	17.68	0.59
<u>Aluminum, Smooth, Black, Pendant</u>	<u>23</u>	<u>18.05</u>	<u>0.60</u>
Wood, Standard	30 to 35	6.60	0.22
Wood, Standard	40 to 55	7.76	0.26

RATES FOR CUSTOM LIGHTING

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Types						
HPS	100	9,500	43	\$13.98	\$4.59	\$2.69
HADCO Victorian, HPS	150	16,000	62	15.18	5.79	3.88
	200	22,000	79	14.67	6.67	4.94
	250	29,000	102	16.03	8.10	6.38
HADCO Capitol Acorn, HPS	100	9,500	43	16.45	4.88	2.69
	150	16,000	62	*	6.02	3.88
	200	22,000	79	*	7.16	*
	250	29,000	102	*	8.32	6.18
Special Architectural Types						
HADCO Independence, HPS	100	9,500	43	*	4.51	2.69
	150	16,000	62	*	*	3.88
HADCO Techtra, HPS	100	9,500	43	*	5.32	*
	150	16,000	62	22.64	6.61	3.88
	250	29,000	102	*	9.01	*
HADCO Westbrooke, HPS	70	6,300	30	14.78	3.94	*
	100	9,500	43	15.87	4.78	2.69

* Not offered.

SCHEDULE 591 (Continued)

RATES FOR CUSTOM LIGHTING (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
HADCO Westbrooke, HPS	150	16,000	62	*	\$6.31	*
	200	22,000	79	*	6.03	*
	250	29,000	102	\$17.94	8.28	*
Special Types						
Flood, Metal Halide	350	30,000	139	—*	10.02	8.42
Flood, HPS	750	105,000	285	28.63	*	*
Option C Only **						
Ornamental Acorn Twin	85	9,600	64	*	*	\$4.01
Ornamental Acorn	55	2,800	21	*	*	1.31
Ornamental Acorn Twin	55	5,600	42	*	*	2.63
Composite, Twin	140	6,815	54	*	*	3.38
	175	9,815	66	*	*	4.13

RATES FOR CUSTOM POLES

<u>Type of Pole</u>	<u>Pole Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Regular	25	\$9.35	\$0.31
	30	10.71	0.36
	35	12.38	0.41
Aluminum Davit	25	9.97	0.33
	30	11.21	0.38
	35	12.80	0.43
	40	16.42	0.55
Aluminum Double Davit	30	12.42	0.42
Aluminum, Fluted Ornamental	14	8.82	0.30

* Not offered.

** Rates are based on current kWh energy charges.

SCHEDULE 591 (Continued)

RATES FOR CUSTOM POLES (Continued)

<u>Type of Pole</u>	<u>Pole Length</u> (feet)	Monthly Rates	
		<u>Option A</u>	<u>Option B</u>
Aluminum, Smooth Techtra Ornamental	18	\$18.84	\$0.63
Aluminum, Fluted Ornamental	16	9.15	0.31
Aluminum, Double-Arm, Smooth Ornamental	<u>25</u>	14.86	0.50
Aluminum, Fluted Westbrooke	18	17.72	0.59
Aluminum, Non-Fluted Ornamental, Pendant	<u>18</u>	17.61	0.59
Fiberglass, Fluted Ornamental Black	14	11.62	0.39
Fiberglass, Anchor Base, Gray or Black	35	11.72	0.39
Fiberglass, Anchor Base (Color may vary)	25	10.45	0.35
	30	12.75	0.43

SERVICE RATE FOR OBSOLETE LIGHTING

The following equipment is not available for new installations under Options A and B. To the extent feasible, maintenance will be provided. Obsolete Lighting will be replaced with the Customer's choice of Standard or Custom equipment. The Customer will then be billed at the appropriate Standard or Custom rate. If an existing mercury vapor luminaire requires the replacement of a ballast, the unit will be replaced with a corresponding HPS unit.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	Monthly Rates		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Cobrahead, Metal Halide	150	10,000	60	*	*	\$3.76
Cobrahead, Mercury Vapor	100	4,000	39	*	*	2.44
	175	7,000	66	\$9.22	\$5.31	4.13
	250	10,000	94	*	*	5.88
	400	21,000	147	14.51	10.42	9.20
	1,000	55,000	374	29.34	24.74	23.41
Holophane Mongoose, HPS	150	16,000	62	*	5.87	*
	250	29,000	102	*	8.40	*

* Not offered.

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

Type of Light	Watts	Nominal Lumens	Monthly kWh	Monthly Rates		
				Option A	Option B	Option C
Special Box Similar to GE "Space-Glo"						
HPS	70	6,300	30	\$7.60	*	*
Mercury Vapor	175	7,000	66	9.83	\$5.40	\$4.13
Special box, Anodized Aluminum						
Similar to GardCo Hub						
HPS	Twin 70	6,300	60	*	*	*
	70	6,300	30	*	*	1.88
	100	9,500	43	*	4.26	*
	150	16,000	62	*	*	3.88
	250	29,000	102	*	*	6.38
	400	29,000	102	*	*	*
Metal Halide	250	20,500	99	*	7.24	6.20
	400	40,000	156	*	10.80	*
Cobrahead, Metal Halide	175	12,000	71	*	*	4.44
Flood, Metal Halide	400	40,000	156	15.61	*	9.76
Cobrahead, Dual Wattage, HPS						
—70/100 Watt Ballast	100	9,500	43	*	3.64	*
—100/150 Watt Ballast	100	9,500	43	*	3.64	*
—100/150 Watt Ballast	150	16,000	62	*	4.79	3.76
Special Architectural Types						
KIM SBC Shoebox, HPS	150	16,000	62	*	4.91	3.88
KIM Archetype, HPS	250	29,000	102	*	8.42	6.38
	400	50,000	163	*	12.64	10.20

* Not offered

SCHEDULE 591 (Continued)

SERVICE RATE FOR OBSOLETE LIGHTING (Continued)

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Acorn-Type, HPS Special GardCo Bronze Alloy	70	6,300	30	\$10.30	\$3.52	*
HPS	70	5,000	30	*	*	\$1.88
Mercury Vapor	175	7,000	66	*	*	4.13
Early American Post-Top, HPS						
Black	70	6,300	30	6.80	3.05	1.88
Rectangle Type	200	22,000	79	*	*	4.94
Incandescent	92	1,000	31	*	*	1.94
	182	2,500	62	*	*	3.88
Town and Country Post-Top						
Mercury Vapor	175	7,000	66	9.46	5.34	4.13
Flood, HPS	70	6,300	30	7.26	*	*
	100	9,500	43	7.83	3.88	*
	200	22,000	79	10.71	6.22	4.94
Cobrahead, HPS						
—Power Door	310	370,000	124	*	8.88	7.51
Special Types Customer-Owned & Maintained						
Ornamental, HPS	100	9,500	43	*	*	2.69
Twin ornamental, HPS	Twin 100	9,500	86	*	*	5.38
Compact Fluorescent	28	N/A	12	*	*	0.75

* Not offered.

SCHEDULE 591 (Continued)

RATES FOR OBSOLETE LIGHTING POLES

<u>Type of Pole</u>	<u>Poles Length (feet)</u>	<u>Monthly Rates</u>	
		<u>Option A</u>	<u>Option B</u>
Aluminum Post	30	\$4.99	*
Aluminum, Painted Ornamental	35	*	\$0.43
Aluminum, Regular	16	5.04	0.17
Bronze Alloy GuardCo	42	*	0.24
Concrete, Ornamental	35 or less	9.24	0.31
Fiberglass, Direct Bury with Shroud	18	7.40	0.25
Steel, Painted Regular **	25	9.24	0.31
Steel, Painted Regular **	30	10.56	0.35
Steel, Unpainted 6-foot Mast Arm **	30	*	0.35
Steel, Unpainted 6-foot Davit Arm **	30	*	0.35
Steel, Unpainted 8-foot Mast Arm **	35	*	0.43
Steel, Unpainted 8-foot Davit Arm **	35	*	0.43
Wood, Laminated without Mast Arm	20	*	0.18
Wood, Laminated Street Light Only	20	5.46	*
Wood, Curved Laminated	30	*	0.25
Wood, Painted Underground	35	6.54	0.22

* Not offered.

** Maintenance does not include replacement of rusted steel poles.

SERVICE RATES FOR ALTERNATIVE LIGHTING

The purpose of this series of luminaires is to provide lighting utilizing the latest in technological advances in lighting equipment. The Company does not maintain an inventory of this equipment, and so delays with maintenance are likely. This equipment is more subject to obsolescence since it is experimental and yet to be determined reliable or cost effective. The Company will order and replace the equipment subject to availability.

<u>Type of Light</u>	<u>Watts</u>	<u>Nominal Lumens</u>	<u>Monthly kWh</u>	<u>Monthly Rates</u>		
				<u>Option A</u>	<u>Option B</u>	<u>Option C</u>
Special Architectural Types Including Philips QL Induction Lamp Systems						
HADCO Victorian, QL	85	6,000	32	*	*	\$2.00
	165	12,000	60	*	*	3.76
	165	12,000	60	*	*	3.76

SCHEDULE 591 (Continued)

SPECIALTY SERVICES OFFERED

Upon Customer request and subject to the Company's operating constraints, the Company will provide the following streetlighting services based on the Company's total costs including Company indirect charges:

- . Trimming of trees adjacent to streetlight equipment and circuits.
- . Arterial patrols to ensure correct operation of streetlights.
- . Painting or staining of wood and steel streetlight poles.

ESS CHARGES

In addition to the above charges, the Customer is subject to charges from its serving ESS for Electricity, transmission and other services as well as any other charges specified in the service agreement between the Customer and the ESS. If the Customer chooses to receive an ESS Consolidated Bill, the Company's charges for Direct Access Service are not required to be separately stated on an ESS Consolidated Bill.

ADJUSTMENTS

Service under this schedule is subject to adjustments approved by the Commission. Adjustments include those summarized in Schedule 100.

SPECIAL CONDITIONS

1. The Company may periodically offer temporary or experimental lighting equipment that is not otherwise listed in this rate schedule. Temporary or experimental lighting will be offered at a billing rate based on approved prices for near equivalent lighting service equipment. The use of temporary or experimental lighting will be for a limited duration not to exceed one year at which time the lighting service equipment will either be removed or the Company will file with the Commission to add the luminaire type to this rate schedule.
2. Customer is responsible for the cost associated with trenching, boring, conduit and restoration required for underground service to streetlighting.
3. Unless otherwise specifically provided, the location of Company-owned streetlighting equipment and poles may be changed at the Customer's request and upon payment by the Customer of the costs of removal and reinstallation.
4. If Company-owned streetlighting equipment or poles are removed at the Customer's request, a charge will be made consisting of the estimated original cost, less depreciation, less salvage value, plus removal cost. This provision does not pertain to the sale of Company-owned equipment. This condition applies if a Customer's selection of service under this Schedule requires the removal of Company-owned streetlighting equipment or poles.

SCHEDULE 591 (Continued)

SPECIAL CONDITIONS (Continued)

5. If circuits or poles not already covered under Special Condition 2 or 3 are removed or relocated at the Customer's request, the Customer is responsible for all associated costs for labor and materials incurred when fulfilling this request.
6. For Option C lights: The Company does not provide the circuit on new installations.
7. For Option C lights in service prior to January 31, 2006: When the Company furnishes Electricity to luminaires owned and maintained by the Customer and installed on Customer-owned poles that are not included in the list of equipment in this schedule, usage for the luminaire will be estimated by the Company. When the Customer and the Company cannot agree, the Commission will determine the estimate usage.
8. For Option A and Option B lights: The Company shall not be liable when either (i) the luminaires become inoperable or (ii) repair or replacement of inoperable luminaires is delayed or prevented; provided that, such inoperability of the luminaires or delay or prevention of repair or replacement is due to any cause beyond the Company's control, or that otherwise could not reasonably be foreseen or guarded against including but not limited to such causes as: strikes, lockouts, labor troubles, riots, insurrection, war, acts of God, extreme weather conditions, access to equipment, or the like.
9. For Option C lights: The Customer must ensure that (i) all maintenance and other work associated with this schedule is in compliance with the applicable requirements of OSHA, OPUC Safety Rules, the NESC and/or NEC and (ii) that all such work is performed by a Qualified Worker. A "Qualified Worker" means one who is knowledgeable about the construction and operation of the electric power generation, transmission, and distribution equipment as it relates to his or her work, along with the associated hazards, as demonstrated by satisfying the qualifying requirements for a "qualified person" or "qualified employee" with regard to the work in question as described in 29 CFR 1910.269 effective January 31, 1994, as it may be amended from time to time. In this case, a Qualified Worker is a journeyman lineman, or someone who has the equivalent training, expertise and experience to perform journeyman lineman work.

SCHEDULE 591 (Continued)

SPECIAL CONDITIONS (Continued)

10. Indemnity:

- a. For Option A lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, or agents that arise under this Schedule.
- b. For Option B lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. The Company shall hold Customer harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Company, its officers, employees, agents, or contractors that arise under this Schedule.
- c. For Option C lights: To the extent permitted by the Oregon Constitution and subject to the limits of the Oregon Tort Claims Act, the Customer shall hold the Company harmless and indemnify it for any and all third-party claims, actions, liability, costs, and expense by reason of injury to or death of persons or damage to property arising or resulting from any negligent acts or omissions or willful misconduct of the Customer, its officers, employees, or agents that arise under this Schedule, including but not limited to the street lighting requested by Customer, its officers, employees, or agents under this Schedule or the associated lighting levels or Customer's failure to comply with any of its obligations under Special Condition 10.d. below. This paragraph applies only to Option C lights that are attached to poles owned by PGE and does not apply to Option C lights attached to poles owned by Customer.

SCHEDULE 591 (Continued)

SPECIAL CONDITIONS (Continued)

- d. For Option B and Option C lights: Customer has the obligation to ensure that any contractor performing any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting carry commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies. Customer will, at least seven (7) business days prior to the performance by a contractor of any street or outdoor area light maintenance work or any construction associated with street or outdoor area lighting, cause the contractor to furnish the Company with a certificate naming the Company as an additional insured under the contractor's commercial liability policy or policies. This paragraph shall not apply to Option C lights that are attached to poles owned by Customer.

- e. Customer will provide (i) commercial liability insurance in an aggregate amount of \$5 million and \$2 million per occurrence and list PGE as an additional insured on the policy or policies or (ii) proof of adequate self-insurance for the amounts identified. All Insurance certificates or proof of self-insurance required under this Schedule shall be sent to Portland General Electric Company, Utility Asset Management, 2213 SW 153rd, Beaverton, OR 97006. All insurance required by this Schedule, to the extent it is provided by an insurance carrier, must be provided by an insurance carrier rated "A-" VIII or better by the A.M. Best Key Rating Guide. All policies of insurance required to be carried under this Schedule shall not be cancelled, reduced in coverage or renewal refused without at least thirty (30) days' prior written notice to the Company. The insurance coverage required by this Schedule must (i) be primary over, and pay without contribution from, any other insurance or self-insurance used by the Company, and (ii) waive all rights of subrogation against the Company. Customer shall bear all costs of deductibles and shall remain solely and fully liable for the full amount of any liability to the Company that is not compensated by Customer's or contractor's insurance.

- f. The indemnifying party under this Schedule shall be liable only for third-party claims, actions, liability, costs, and expense pursuant to the terms of this Schedule and shall not be liable to the indemnified party for any of the indemnified party's special, punitive, exemplary, consequential, incidental or indirect losses or damages. For avoidance of doubt, the indemnifying party shall pay all reasonable attorneys' fees, experts' fees, and other legal expenses incurred in responding to or defending the third-party claim or action.

SCHEDULE 591 (Concluded)

SPECIAL CONDITIONS (Continued)

11. The Customer is responsible for the cost of temporary disconnection and reconnection of Electricity Service. The Customer must provide written notice to request a temporary disconnection. During the period of temporary disconnection, the Customer remains responsible for all fixed charges in this schedule except for the cost of providing energy. After one year, the disconnection may no longer be considered temporary and the facilities removed with the Customer responsible for the cost listed in Special Condition No. 3 of this schedule.
12. For Option C lights: Customer is responsible to notify the Company within 30 days of conversions to Option C lights in this Schedule. The Company will limit all billing adjustments to 30 days back. The Company will use the nearest billing cycle date for all adjustments.

TERM

Service under this schedule will not be for less than one year.

**RULE F
BILLINGS**

1. Basis for Billing

A. Generally

Unless specifically provided otherwise in a rate schedule or in a contract, the Company's rates are based upon the furnishing of continuous Electricity Service to the Customer's Premises at a single Service Point (SP), and at a single voltage and phase. If the Company agrees to additional SPs, each SP is separately metered and billed and treated as a separate Line Extension under the provisions of Rule I.

B. Individual Metering

Each separately operated business activity and each separate building is individually metered and billed except:

- 1) Where two or more buildings on one Premises are occupied and used by one Customer in the operation of a single and integrated business enterprise, the Company may furnish Electricity Service for the entire group of buildings through one service connection at one SP; and
- 2) Where a site has service measured and billed from a single meter, a Customer will furnish Electricity to the tenants on its Premises, provided the cost to the tenant for such Electricity is included as a general cost in the rent and is not separately billed or paid.

C. Continuing Nature of Charges

Disconnect and reconnect transactions do not relieve a Customer from the obligation to pay Basic or Minimum Charges that accumulate during the periods where the Company makes Electricity Service available but such service is not used by the Customer.

D. Tax Adjustment

A separately stated tax adjustment is billed in any community or area where a governmental authority imposes a tax or assessment in excess of the limit established by the Commission in OAR 860-022-0040 and 0045.

E. Resale

- 1) Electricity Service will not be supplied for resale, except on Premises and through installations where a Customer engaged in resale to tenants prior to November 5, 1973. In such cases, the Customer will bill the tenants at the Company's applicable rates or, if approved by the Company, at the Company's average rate per kWh (the Customer's total bill for Electricity including all charges, adjustments and taxes divided by the associated kWh).

RULE F (Continued)

Resale (Continued)

The Company will allow billing at the Customer's average rate when the Customer does not have adequate metering to bill tenants at applicable rates or the usage characteristics of the tenants do not lend themselves to standard billing.

- 2) Electricity service used for the exclusive purpose of transportation fuel is exempt from restriction of resale as directed by OPUC Order 12-013, which "*explicitly permits a customer to re-sell electricity as motor fuel consistent with ORS. 757.005(1)(b)(G)*".

2. Customer to be Billed; Responsibility for Payment

The Customer receiving Electricity Service is responsible for payment of all Company charges except when an ESS is providing consolidated billing as specified in Section (2) of Rule G. In such case, the ESS is responsible for payment of Direct Access Service and other Company charges. Customers are responsible for checking their billings and verifying their accuracy. When a change in occupancy occurs or the Customer otherwise chooses to close an account, the Customer must provide five business days' notice to the Company, before the change will go into effect. The Company may accept a change of occupancy notification from a third party. The Company may refuse to process a change of occupancy until it receives satisfactory evidence of the third party's authority to request such a change. The outgoing Customer (or serving ESS if it is providing a Consolidated Bill) is held responsible for all service supplied to the Premises until the account is closed.

3. Application for Site

In order for multiple accounts to be billed as a Site, the Customer must either obtain Site certification through the Oregon Department of Energy (ODOE) or request Company certification.

To request Company certification, the Customer must provide a list of all account numbers and maps or other supporting documentation to demonstrate that these accounts comprise a Site. The Customer will be required to sign and return a letter of understanding before any billing changes are effective.

As a Site, the Customer's primary account will be assessed the maximum \$500 Schedule 115 charge. When the Customer's usage is seasonal, the Company will review the usage from all accounts comprising the Site and assess the maximum or less than the maximum charge as applicable. For nonseasonal Customers, if the combined usage from all accounts comprising the Site is such that the total Schedule 115 charge based on kWh would be less than \$500 a month, the Customer is responsible to provide sufficient documentation to the Company in order to be refunded any overpayment. For purposes of Schedule 108, the Customer must be certified as a Site with ODOE and have completed a certified project. Once the project is certified, the Customer must notify and provide documentation to the Company before Schedule 108 billing changes will be made.

RULE F (Continued)

4. Meter Readings

A. Generally

The Company will keep a record of at least three years of meter readings. Meter readings are the basis for determining all bills rendered for metered service.

B. Assessed Demand

At the Company's option, Demand may be determined by test or assessment. The assessed Demand of each motor is the nameplate horsepower of the motor multiplied by 0.825 rounded to the nearest whole kW.

C. Estimated or Prorated Meter Readings

The amount of Electricity, Demand or Reactive Demand used by the Customer is estimated by the Company from the best available sources and evidence in the following circumstances:

- 1) Where a meter is inaccessible due to conditions on the Customer's Premises; or
- 2) When it is determined that the amount of Electricity, Demand, or Reactive Demand used was different from that recorded or billed; or
- 3) In preparing opening and closing bills. It is the normal practice of the Company, however, to make reasonable efforts to prepare opening and closing bills from actual meter readings.

D. Incorrect Metering or Billing

- 1) When Utility Service has been unmetered, incorrectly metered or billed, regardless of cause, the Company in accordance to OAR 860-021-0135, may adjust its billings and issue a corrected bill to collect under billed amounts or must issue a refund or bill credit for previous amounts over billed.
- 2) Except as provided in Section (5) of this rule, when an adjustment is necessary:
 - a) The Company may rebill the Customer the correct amounts when an under billing is identified. The Company may not rebill for charges accruing more than two years before the date on which the Company identified the incorrect bill. The rebill may not include charges accruing more than 12-months from the date of the last incorrect bill.
 - b) The Company must refund the Customer when an over billing is identified. The Company may not refund amounts overpaid more than three years before the date on which the Company identified the incorrect bill. The refund period may not include overpayments made more than 12-months from the date of the last incorrect bill.

RULE F (Continued)

Incorrect Metering or Billing (Continued)

- 3) The Company will provide written notice to the Customer detailing the circumstances of the adjustment, time period, the adjusted amount of an under or over-billing and the Commission's dispute process. If an over-billing occurs, the Customer will have the option of a refund or a bill credit. For an under-billing, the Company will offer the Customer a time payment agreement or renegotiate the terms of an existing time payment agreement to include the under-billing. A time payment agreement will not apply if the under-billing is due to the conditions listed in Section (4) of this rule.
- 4) If the under-billing is the result of fraud, tampering, diversion, theft, misinformation, false identification or any other unlawful conduct on the part of the Customer or former Customer, the Company may bill for and collect the full amount owed to the Company without limitation.
- 5) The Company may waive re-billing or issuance of a refund when costs of taking such action are uneconomical or when a meter is found to be less than 2% fast or slow.

E. Special Meter Reading

The Special Meter Reading Charge, as set forth under Schedule 300, is applied when a Customer has requested more than one Special Meter Reading during the preceding 12-month period to verify the accuracy of a previous meter reading. If the Special Meter Reading results in a billing correction, the Company will waive the Special Meter Reading Charge.

F. Unmetered Loads

Electricity Service to fixed loads with fixed periods of operation, such as streetlights, Schedule 92 traffic lights, television amplifiers and other similar installations, may be unmetered for the convenience and mutual benefit of the Customer and Company. Monthly usage is billed in accordance with the Customer's applicable rate schedule. Customers have the responsibility of notifying the Company of changes in connected load. Without such notice, the Company is not obligated to make retroactive adjustments to billings or continue to offer unmetered service to the fixed load.

G. Special Demand

All rate schedules are based upon loads for which standard Demand measurements reflect adequately the burden imposed on the Company's system. If a Customer has a load with large short-period fluctuations, the Company reserves the right to employ a Special Demand determination.

RULE F (Continued)

H. **Reactive Demand**

All rate schedules assume that the Customer takes a minimum of Reactive Demand. Charges in the rate schedules for Reactive Demand are separate from and in addition to charges under the monthly rate for Demand and Electricity or under any minimum charge. Where the Customer installs equipment to supply part or all of its Reactive Demand requirement, such equipment must be switched in a manner acceptable to the Company. Separate charges for Reactive Demand will not be made when the Customer's Reactive Demand is 30 kVar or less.

5. **Presentation and Payment of Bills**

A. **Generally**

The rate schedules in this Tariff set forth the rates for one Billing Period. However, the Company may read meters and render bills for a period shorter or longer than one Billing Period, in which case the charges based on one month of service (e.g. monthly Basic Charges, charges for Facility Capacity and other Demand related charges) and the number of kWh in each of the rate blocks of the rate schedules will be prorated by multiplying by the number of days in the period and dividing by 30. The number of days in the Billing Period must be less than 27 or more than 34 for a bill to be prorated.

B. **Prorating Initial and Closing Bills**

Initial and closing bills are prorated, unless the time between initial and final use of service is less than 27 days.

C. **Prorating for Tariff Changes**

Changes in Tariff charges or provisions which become effective with service rendered as of a particular date rather than upon the date of meter readings or billings are prorated based on the number of days during the Billing Period that service was provided under the former and revised rate schedules unless the Company is billing on a daily basis using daily readings.

D. **Payment of Bills**

All bills are due and payable 15 days from the date of presentation, unless otherwise specified on the bill. The date of presentation is the date on which the Company mails or transmits the bill.

Customers who meet eligibility requirements may request a due date different than the date designated for that customer's regular billing cycle. At no time will the actual due date be earlier in a calendar month than the date requested by the customer, but it may vary up to 7 days. A Customer may change their bill due date up to two times within a 12 month period.

RULE F (Continued)

Payment of Bills (Continued)

Non-cash payments remitted by Customers in payment of bills are accepted conditionally. A Returned Payment Charge, set forth under Schedule 300, is assessed when the Customer's financial institution refuses to pay as charged.

If a Customer's non-cash payment is returned by the Customer's financial institution within the last 12 months, future payments must be made in cash, money order, verified credit card payment or cashier's check.

PGE does not allow PGE employees to collect payments at the door.

E. Processing of Payments

The Company will allocate payments from Customers in the following order:

- 1) Past due deposits or installments;
- 2) Required deposits currently due;
- 3) Past due regulated charges for Electricity Services;
- 4) Current regulated charges for Electricity Services;
- 5) Past due charges for optional services by oldest date first; and
- 6) Current charges for optional services.

F. Budget Pay Plans

Budget Pay Plans are available to Residential and Small Nonresidential Customers who have satisfactory credit and have no past due balance on their account. No additional charges will be made for rendering bills under a Budget Pay Plan. The Company may adjust a Customer's budget pay amount if changes in the Customer's usage patterns or other factors cause the budget pay amount to no longer accurately reflect the Customer's actual billings.

The Company may discontinue a Customer's Budget Pay Plan if the Customer fails to pay the monthly budget pay amount in full by the due date. Customers may discontinue participation in the Budget Pay Plan upon notification to the Company. If a Budget Pay Plan is discontinued, the Customer must pay any unpaid balance determined by subtracting the total amount paid under the Budget Pay Plan from the total amount the bills would have been, based on the actual kWh used. If a budget pay plan is voluntarily or involuntarily discontinued, the Company is not obligated to offer another Budget Pay Plan to that Customer for a period of 12 months from the time the plan was discontinued.

Other monthly charges, such as financing contract and area light charges, will be added to the Customer's monthly bill but are not included when computing the monthly budget pay amount. The Company offers:

RULE F (Continued)

Budget Pay Plans (Continued)

1) **Equal Pay Plan**

The monthly payment amount is based upon 1/11 of the anticipated annual bill, adjusted as necessary for Tariff changes. After the annual equal pay anniversary date, the Customer will be charged or credited the difference between the actual usage and the forecasted usage in addition to the updated equal pay amount. Annually, Customer accounts are reviewed to determine the equal pay amount for the subsequent 12 months. Outside of the annual review, at the Customer's request, a present account balance can be settled. Adjustments in the equal pay amount may be made by the Company at times other than annually if the Customer's actual bill would differ significantly from their previously calculated anticipated annual bill.

G. **Time Payment Agreements**

Residential Customers who are notified of pending disconnection may choose between two Time Payment Agreement options: a leveled payment plan and an arrearage plan as described in OAR 860-021-0415.

H. **Credit Balance**

Except where a Customer is on a Time Payment Agreement, an amount paid in excess of what is owed the Company for services rendered and other applicable charges will be carried as a credit balance on its account and applied to bills for future service unless the Customer requests a cash refund. When a customer on a Time Payment Agreement pays more than the billed amount, the excess payment will be applied to the principal due.

I. **Forced Shutdown of Customer's Operations**

If a Nonresidential Customer's productive operations are completely shut down for a continuous period of more than 15 days solely by reason of fire, flood, wind, action of the elements, acts of God, or other accident or casualty beyond the Customer's control, and the Customer so notifies the Company in writing immediately upon the Customer's knowledge of such event, any minimum charge provision of the applicable rate schedule will be waived during the time of such shutdown. During such time, bills will be computed on the basis of actual Demand and Electricity use and prorated to the number of days involved. The Customer will give notice to the Company prior to resumption of any productive operations.

RULE F (Concluded)

J. Late Payment Charge

A Late Payment Charge may be assessed to any account that is not paid in full each month. For Residential Customers, the Late Payment Charge will be computed as specified in Schedule 300 and applied to the delinquent balance no earlier than at the time of preparing the subsequent month's bill. A Nonresidential Customer may be assessed a late payment charge against any account that is not paid in full each month.

A Late Payment Charge will not be applied to a Residential account with a Time Payment Agreement or a Budget Pay Plan that is current. A Late Payment Charge will not be applied to Residential Customers who qualify as an eligible Low-Income Residential Customer as that term is defined in OAR 860-021-0008.

K. Bill History Information Service Charge

Advance payment of the Bill History Information Service Charge, as specified in Schedule 300, is required for each year of requested prior bill information beyond the most recent 12 months. No charge is assessed when the billing information is required to resolve billing disputes filed with the Commission. ~~Customers can access their The Company will provide unformatted and unanalyzed~~ interval usage data through their account on the Company's website, if available, to a Customer who requests such data for the Customer Interval Data Charge specified in Schedule 300. In the case where a Customer requests formatted and analyzed interval data, the charge specified in Schedule 300 will be based on a mutually agreeable charge.

**RULE I
LINE EXTENSIONS**

1. Purpose

This rule establishes procedures and defines respective cost responsibilities to provide a Line Extension to a builder, developer, Customer or Applicant who requests a Line Extension on its own behalf, or a Customer or Applicant's agent.

A. Generally

Line Extensions will be at primary and/or secondary voltage levels. Modifications to transmission or subtransmission voltage facilities or substations are not considered Line Extensions for purposes of this rule and require special contract arrangements.

When an agent requests a Line Extension on behalf of a Customer or Applicant, the agent must provide documentation acceptable to the Company evidencing its authority to request a Line Extension.

B. Definitions

1) Applicant

For purposes of this rule, an Applicant is a builder, developer, Customer, Applicant or other Customer or Applicant agent requesting a Line Extension to:

- a) Serve new construction; or
- b) Obtain additional capacity for, or a change in, service conditions relative to existing Distribution Facilities.

2) Distribution Facilities

Distribution Facilities are all structures and devices needed to distribute Electricity at any of the primary or secondary voltages listed in Rule C. Distribution Facilities will be installed in accordance with applicable laws, codes and Company standards and practices. It is the Applicant's responsibility to provide the Company with accurate information about their usage including but not limited to nameplate ratings of major installed electrical equipment and the intent to operate equipment above or below the nameplate rating. If damage results to Facilities owned by the Company through failure of the Applicant to fully disclose its load requirement to the Company, the repair and, or replacement costs of such Facilities will be paid by the Applicant.

RULE I (Continued)

Definitions (Continued)

3) Line Extension

A Line Extension is the installation of new, additional or upgraded Distribution Facilities from a point on the Company's existing distribution system that the Company has determined has adequate capacity for the Applicant's planned Electricity needs to the Applicant's Service Point (SP). Where the Applicant is requesting either a new individual residential service or an upgrade to an individual residential service, upgrades to existing primary lines will not be considered part of the Line Extension. Any new primary or secondary Line Extensions, transformer additions or replacements necessary to serve the new load will be considered part of the Line Extension. However, for residential Electric Vehicle charging-related line extensions, transformer additions or replacements necessary to serve that charging load will not be considered part of the Line Extension.

4) Line Extension Allowance

The Line Extension Allowance is the portion of the Line Extension Cost that the Company will provide without charge to the Applicant. Estimated annual kWh values used to calculate non-Residential Customer line extension allowances do not reflect onsite generation.

5) Line Extension Cost

A Line Extension Cost is the Company's total estimated cost to install new, additional, or upgraded Distribution Facilities to serve the Applicant's planned Electricity needs. Line Extension Costs are intended to recover the expenses of labor, material and equipment involved in the design, installation and inspection of the Line Extension. Line Extension Costs include, but are not limited to, labor costs, the cost of transformers, primary and secondary voltage conductors, tree trimming or tree removal, Company indirect charges and the cost of any necessary rearrangement of existing Facilities. Where the Applicant is requesting either a new individual residential service or an upgrade to an individual residential service and the transformer requires upgrading, the Line Extension Cost will be credited for the estimated original cost, less depreciation, less removal costs, of the existing transformer. However, for residential Electric Vehicle charging line extensions, any transformer additions, or replacements necessary to serve the charging load will not be considered part of the Line Extension. Estimates of Line Extension Costs provided to Applicants are valid for six months from the date of issue. After six months the Company reserves the right to provide a revised estimate. The Line Extension Cost does not include payments to a third party for easements, additional costs associated with Underground Line Extension or other additional costs described in this rule.

RULE I (Continued)

Definitions (Continued)

- 6) **Long Side Service Connection**
A service connection, which runs parallel to the street, rather than perpendicular to the street.
- 7) **Primary Voltage Project**
A Primary Voltage Project is a planned undertaking of construction, where the Company initially installs only primary voltage facilities. Primary Voltage Projects include large lot residential subdivisions, industrial parks and other similar complexes. It is expected that within the project each Customer will be served from one or more transformers dedicated to that Customer's use.
- 8) **Public Thoroughfare**
A Public Thoroughfare is a municipal, county, state, federal, or other street, road, or highway, which is dedicated, maintained and open to public use in which the Company has the right to construct, operate, and maintain Facilities.
- 9) **Residential Subdivision**
A Residential Subdivision is a parcel of land divided into four or more smaller lots for the purpose of development or sale, which has been platted and filed under Oregon law as a subdivision. It is expected that within the subdivision several homes will be or are served from the same transformer.

B. **Company Requirements**

- 1) **Company to Determine Route**
The Company will determine the route for all Line Extensions along Public Thoroughfares and may determine the route of a Line Extension made on private property. If the Applicant requests a route different than that determined by the Company, the Company may provide the Line Extension along the requested route if the Applicant pays the Company all additional costs resulting from the provision of that route and the requested route is not contrary to Company standards and practices.
- 2) **Company Ownership**
The Company will own and maintain all Facilities to the SP.
- 3) **Company Installation**
The Company will install all Facilities to the SP except that an Applicant for overhead Facilities may arrange to have the Facilities located on the property constructed by an electrical contractor acceptable to the Company, subject to the following conditions:
 - a) The Company will furnish the design and construction specifications for the connection and perform the necessary surveying;

RULE I (Continued)

Company Installation (Continued)

- b) The Applicant will, prior to the beginning of construction, cause the contractor to furnish the Company a certificate naming the Company as an additional insured in an amount not less than \$1 million under the contractor's general liability policy;
 - c) During and after completion of the work by the contractor, the Company will make inspections. If the construction meets the Company's design specifications, the Company will accept ownership, and the Applicant will provide to the Company the title to the construction, together with all rights-of-way and easements required by the Company, free and clear of any liens or encumbrances; and
 - d) Following receipt of the title, the Company will energize the Line Extension to make Electricity Service available to the Applicant.
 - e) If, within 24 months of the time the Company energized the Line Extension, it determines that the overhead Distribution Facilities are deficient in materials or workmanship, the Applicant must pay the cost to correct the deficiency to the Company's satisfaction.
- 4) **Unusual Distribution Facilities or Nonstandard Construction**
The Company is required to install only those Facilities deemed necessary to render service in accordance with the Tariff. The Company is not required to make Line Extensions which involve additional or unusual Facilities, nonstandard construction, or other unusual conditions. If, at the Applicant's request, the Company installs Facilities which are in addition to, or in substitution of, the standard Facilities which the Company would normally install but which are otherwise acceptable to the Company, the additional cost of such nonstandard Facilities will be paid by the Applicant and will not be subject to the Line Extension Allowance in Schedule 300. In the case of conversion from overhead service to underground service, Section 6 of this Rule applies. In the case of relocation or removal of services and facilities, Section 7 of Rule C applies.

2. Applicant Cost Responsibilities

A. Payment

Applicants who have cost responsibilities under this section and Section 3 will make payment in full at the time the Company agrees to make the Line Extension.

Applicant's payment requirements for jobs with Line Extension Costs estimated to be equal to or exceeding \$250,000 may be as follows:

- 1) The Applicant will provide a cash payment of 10% of the estimated Line Extension Cost prior to the Company initiating design work;

RULE I (Continued)

Payment (Continued)

- 2) At the time the Company orders any special order and/or long lead-time electrical and/or pathway material, the Applicant will provide a cash payment to the Company for the full cost of the order; and
- 3) At the commencement of construction, the Applicant will provide a payment equal to any remaining Line Extension Costs necessary to complete construction. Acceptable means of payment will be at the sole discretion of the Company.

The Line Extension Allowance will be refunded at the time the Applicant's Electricity Service is established. If Applicant's Electricity Service is not established, payments made under Section (2)(A) are not refundable.

B. Applicants for New Permanent Service

1) Individual Applicants

Applicants for new permanent service will be responsible for the Line Extension Costs, less the applicable Line Extension Allowance listed in Schedule 300. In addition, any payments to a third party for easements, permits, additional costs associated with Underground Line Extensions, and all other additional costs described in this rule will be the responsibility of the Applicant and are not eligible for the Line Extension Allowance.

2) Other than Individual Applicants

The Company will install a main-line primary distribution system to provide service to a project (e.g., a subdivision, industrial park, or similar project) to serve Customers within the project provided the Applicant pays in advance for: 1) the total estimated cost of the installation of a continuous conduit system which includes, but is not limited to, the costs of trenching, boring, excavating, backfilling, ducts, raceways, road crossings, paving, vaults, transformer pads and any required permits; and 2) all other Applicant cost responsibilities based on the expected load within the project. The expected load in a large lot subdivision, industrial park, or similar project is comprised of only those loads projected to be connected within the first five years. Any Line Extension refund owed to the Customer or Applicant will be based on load connected within the first five years.

In residential subdivisions or phases of residential subdivisions where Line Extensions will not require subsequent additional extensions of primary voltage Distribution Facilities to serve the ultimate users within the subdivision, the refund will be based on the Line Extension Allowances for the subdivision calculated in accordance with Schedule 300.

RULE I (Continued)

C. Existing Customers

1) Nonresidential

Where an Applicant is an existing Nonresidential Customer requesting an additional SP, the conversion of a single-phase service to three-phase service, or additional capacity, the Applicant will make payment in full at the time the Company agrees to make the Line Extension. The Line Extension Allowance in these cases will be based on the incremental, annual kWh to be served by the Company or, in the case of a change in the applicable rate schedule, equal to four times the increase in annual revenues from Basic and Distribution Charges.

2) Residential

Where an Applicant is a Residential Customer requesting additional capacity at the same SP, the Line Extension Allowance is as listed in Schedule 300. Any excess amount will be the responsibility of the Applicant. In addition, any payments to a third party for easements, permits and additional costs associated with Underground Line Extensions and all additional costs described in this rule will be the responsibility of the Applicant and are not eligible for the Line Extension Allowance.

3. Special Conditions for Underground Line Extensions

A. Applicability

Underground Line Extensions will be made:

- 1) When required by a governmental authority having jurisdiction;
- 2) When required by the Company for reasons of safety, resiliency or because the extension is from an existing underground system; or
- 3) When otherwise mutually agreed upon by the Company and the Applicant.

B. Responsibility for Costs

- 1) The Applicant will be responsible for the current and reasonable future costs associated with the installation of the Line Extension's continuous conduit system, which includes but is not limited to, the costs of trenching, boring, excavating, backfilling, ducts, raceways, road crossings, paving, vaults, transformer pads and any required permits. The Company will own and maintain the conduit system once Company conductors have been installed.
- 2) At its option, the Company may perform the Applicant's responsibilities listed in (B)(1) above at the Applicant's expense or permit the Applicant to perform these responsibilities at Applicant's expense. Where work is to be performed in an existing right-of-way and requires the Company to obtain a permit from a governmental body, the Company may specify additional requirements and place restrictions on the selection of contractors.

RULE I (Continued)

Responsibility for Costs (Continued)

- 3) ~~Where the Company provides trenching and backfilling for installation of applicable residential underground service laterals, the charges specified in Schedule 300 will apply. Estimated actual costs will apply w~~Where the Company provides trenching, and backfilling, ~~beyond the service lateral installation process, estimated actual costs will apply as specified in Schedule 300.~~ The Applicant will be responsible for all additional costs of excavating rock, furnishing and installing raceway, excavating to a depth in excess of Company standards, manual digging, and the repair of paved roads, walks, and driveways when such work must be performed.
- 4) ~~Where no other restrictions apply and the Applicant is only considering submersible transformers for aesthetic reasons, the Applicant may request the installation of submersible transformers instead of standard pad-mounted transformers. In this event, the cost set forth under the Transformers Section of Schedule 300 will be paid by the Applicant.~~

D. Additional Services

- 1) **Service Locates**
The Company will locate underground water, sewer and water runoff services along the Applicant's proposed trench route on the Applicant's property if requested by the Applicant. ~~The cost set forth in Schedule 300 will be paid by the Applicant~~
- 2) **Service Guarantee/Wasted Trip Charge**
The Company will begin the installation of residential single family underground service laterals within seven working days following the date an Applicant requests such service, except during periods of major storms or other such conditions beyond the Company's control. If the Company does not meet this standard, the Company will pay the Applicant the Service Guarantee Charge in Schedule 300. If, however, Company resources are dispatched to install the residential single family service lateral within the seven-day period and the Applicant's site or other facilities are not ready for service, the Applicant will be assessed the Wasted Trip Charge in Schedule 300.
- 3) ~~**Long-Side Service Connection Charge**
—Where the Applicant requests that the Company provide trenching and conduit for a long-side service connection the charge in Schedule 300 will apply.~~
- 3) **Joint Trench Installation Charge**
Upon mutual agreement between the Company and the Applicant, the Company may install telephone and cable services during the installation of the underground service lateral. The parties involved will mutually agree to the price for such service.

RULE I (Continued)

4. Refunds

- A. Where an Applicant has paid all or a portion of the costs of a Line Extension and additional Customers are subsequently connected to it, the Company will, at its initiative or on request from the Applicant for the original Line Extension, compute on a prorated basis the Line Extension Cost responsibility for up to three additional new Applicants connected to the original Line Extension and make collections and refunds for up to three additional Applicants, provided the following three conditions are satisfied:
- 1) The original Line Extension has been in service for less than five years when the additional connections are made;
 - 2) The original Line Extension has been in service less than six years when the application for refund is made; and
 - 3) The payment made by the original Applicant was \$100 or more.
- B. Where additional Applicants are connected within five years of completion of the original Line Extension, and the allowances for the subsequent Line Extensions exceed additional Applicants' costs, the difference may be refunded to the original Applicant under the following conditions:
- 1) Application for such refunds may be made as additional Applicants are connected, but no more frequently than on an annual basis; and
 - 2) The total amount refunded will not exceed the Line Extension Cost paid by the original Applicant.

5. Special Conditions for Portland River District Undergrounding Project

For an area within the City of Portland, depicted as the shaded region on the map included as Appendix A⁽¹⁾, the applicable Applicant cost responsibilities of Underground Line Extensions, as specified in Section (3)B(1), will be incurred as a Service Connection Charge. This charge will be equal to \$39,040.00⁽²⁾ for a standard 200' X 200' block within the district. For any development area other than the standard size, the charge will be prorated based on the comparative size of that area.

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- ⁽¹⁾ Between Broadway and Glisan Street and behind Union Station, the River District boundary is defined by the railroad right-of-way. Their respective streets or the Willamette River defines all other sections of the River District boundary.
- ⁽²⁾ This amount will be applicable through the year 2009. Beyond 2009, the charge will be escalated annually by the Company's then authorized cost of capital.

RULE I (Continued)

6. Conversion from Overhead to Underground Service

A. General

The Company will replace overhead with underground Facilities whenever such conversion is practicable and economically feasible. Customers connected by overhead Distribution Facilities owned by the Company that desire underground service will comply with applicable provisions of this rule.

B. Payment for Service Changes

The party requesting conversion from overhead to underground will pay the Company, prior to conversion, the estimated original cost, less depreciation, less salvage value, plus removal expense of any existing overhead Facilities no longer used or useful by reason of said underground system, and the costs of any necessary rearrangements, modifications, and additions to existing Facilities to accommodate the conversion of Facilities from overhead to underground.

C. Special Conditions

The conversion of overhead to underground Facilities affecting more than one Customer will be conditioned on the following:

- 1) The governing body of the city or county in which the Company's Facilities are located will have adopted an ordinance creating an underground district in the area in which both the existing and new Facilities are and will be located, providing:
 - a) All existing overhead communication equipment and Distribution Facilities in such district are removed;
 - b) Each Customer served from such electric overhead Facilities will, in accordance with the Company's rules for underground service, make all necessary electrical facility changes on said Customer's Premises in order to receive service from the Company's underground Facilities as soon as available; and
 - c) The Company is authorized to discontinue its overhead service on completion of the underground Facilities.
- 2) All Customers served from overhead Facilities will agree in writing to perform the wiring changes required on their Premises so that service may be furnished in accordance with the Company's rules regarding underground service. Such Customers must also authorize the Company to discontinue overhead service upon completion of the underground Facilities.

RULE I (Continued)

Special Conditions (Continued)

- 3) When the local government requires the Company to convert overhead Facilities to underground at the Company's expense, the provisions of OAR 860-022-0046 will apply.
- 4) That portion of the overhead system that is placed underground will not impair the utilization of the remaining overhead system.

D. Cost of Area Conversions

Area conversions may involve an allocation or assessment of costs and responsibilities among Customers. Such assessment and collection thereof will be the responsibility of a governmental unit or an association of those affected.

E. Cost of Additional Circuit Capacity

Where the Company installs an underground circuit with capacity in excess of the existing overhead, any additional cost to provide such excess circuit capacity will be at the Company's expense. Applicant cost responsibilities will be as defined in Section (6)(B) plus all reasonable costs for conduit or vault space installed to establish pathways for future circuit capacity.

7. Nonpermanent Line Extension

A. General

A Line Extension is nonpermanent when the Company believes service for its intended purpose by the Applicant will continue for less than five years. If the Company believes a requested Line Extension is nonpermanent, the Company will require a cash advance of the entire Line Extension Cost, plus payments to third parties for easements and those costs outlined under Section 3, plus the estimated cost of removing the Line Extension, less any salvage value. If service is used for the intended purpose by the Line Extension Applicant for a period of five years, that portion of the amount advanced by the Applicant which was in excess of the amount that would have been charged for a permanent Line Extension will be refunded to the Applicant with interest.

RULE I (Concluded)

B. Greater than 1 MWA Nonresidential Nonpermanent Service

Nonresidential Line Extension Applicants with Line Extension Costs of \$50,000 or greater, with loads in excess of 1 MWA, will sign a contract agreeing to accept Electricity Service at a specified minimum load. If service is terminated within an initial term of five years or if service is reduced to shut-down mode, a Service Termination Charge equal to the Line Extension Allowance (LEA) less 1/5th for each year service was taken at the specified minimum will be assessed as follows:

$$\frac{[(5 - \text{Years Served}) * \text{LEA}]}{5}$$

8. Excess Capacity

Excess Capacity will be determined to exist where:

- A. The characteristics of the Customer's load require the Company to install Facilities larger than the kVA demand of the load for voltage regulation or other reasons;
- B. The Customer requests additional capacity due to planned expansion needs that have not yet occurred; or
- C. The Customer requests Facilities that are in excess of what the Company determines is required based on the Company's analysis of the Customer's planned load.

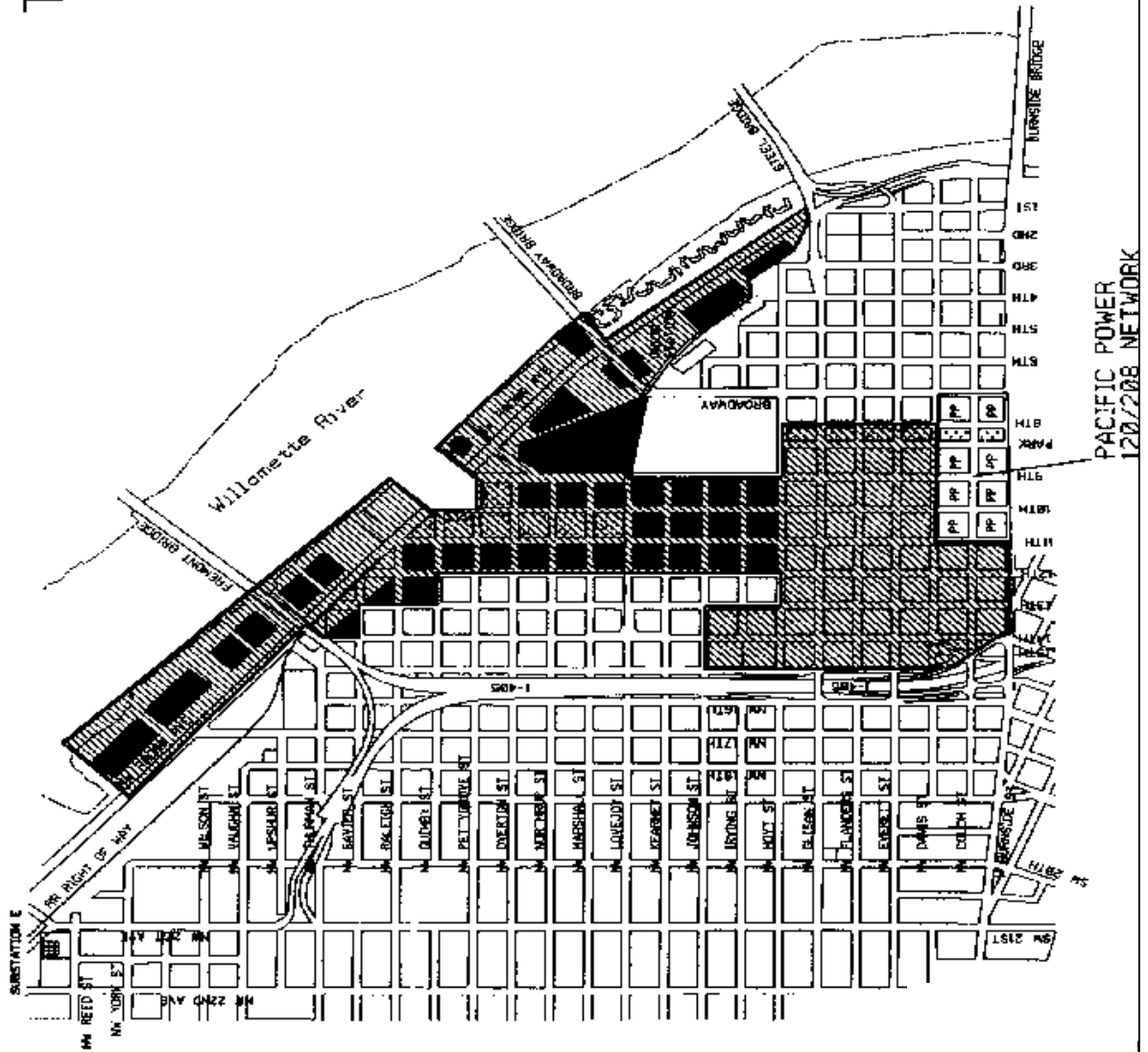
When a Customer applying for a service upgrade or a new service Applicant requires Excess Capacity, such installation will be ineligible for a Line Extension Allowance associated with the unused or underutilized portion of the Line Extension. The unused or underutilized portion of the Line Extension will be determined by comparing the cost of the Line Extension with and without the Facilities necessary to serve the Excess Capacity. The Customer or Applicant will also be responsible for a maintenance charge equal to the present value of future maintenance of the excess Facilities at the time the new service or service upgrade is installed. If within five years of installation the excess capacity situation is determined to no longer exist the Company will refund the portion of the Line Extension charges that resulted from the designation of Excess Capacity, including the maintenance charge. It is the responsibility of the Customer to inform the Company as to the change in their capacity requirement within the five-year period.

9. Rules Previously in Effect

Amounts advanced under the conditions established by a rule or contract previously in effect will be refunded in accordance with the provisions of that rule or contract.

RULE I
APPENDIX A

The River District



DIVISION DISTRICT

PACIFIC POWER
120/208 NETWORK