

# UM 2011 Kick Off Workshop June 14, 2019



# Introduction



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# Logistics



- Location
  - Portland State Office Building
  - Conference Room 1D-70
  - 800 NE Oregon St.,
  - Portland, OR 97232
- Phone: 1-866-390-1828 or 216-706-7075
  - Access Code: 6739703

# Today's Agenda

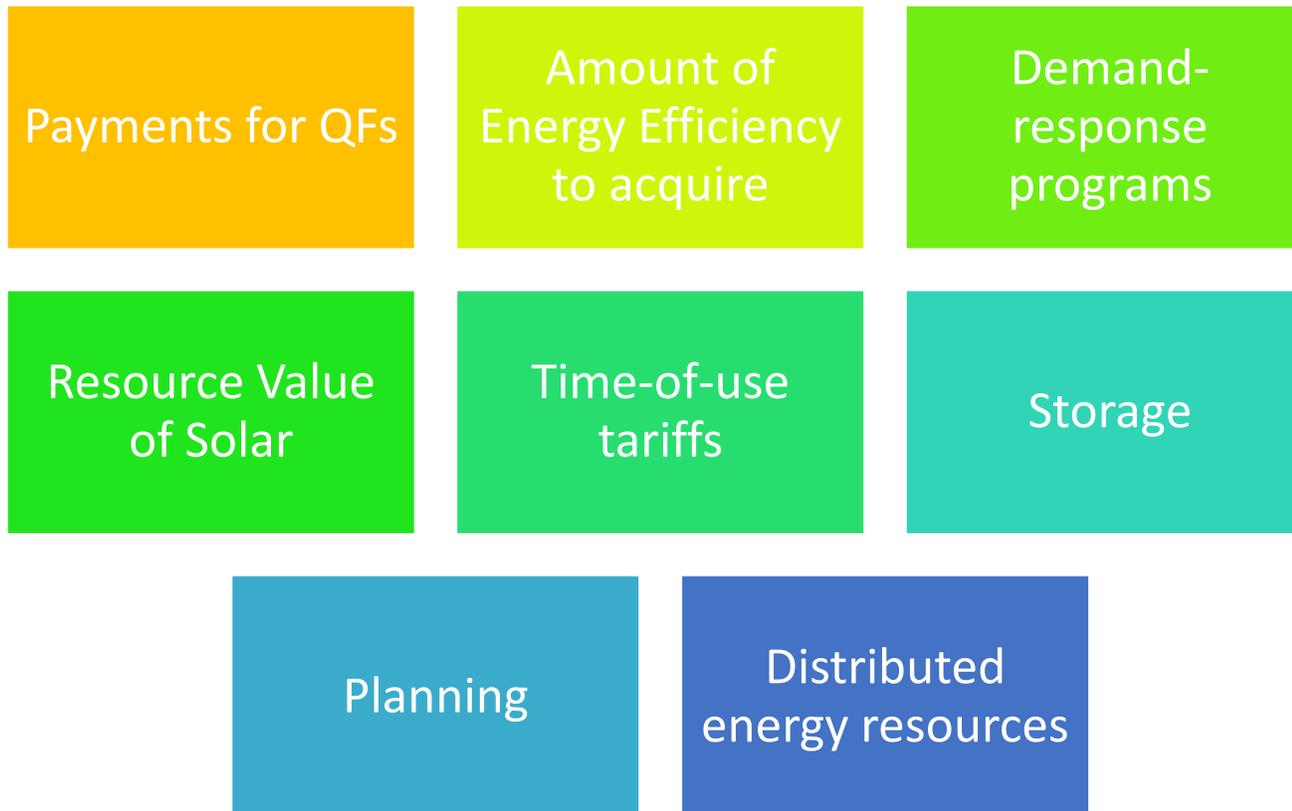


- Utility Presentations on Capacity
  - Idaho Power
  - PacifiCorp
  - PGE
  - NW Natural
- Regional Stakeholder Perspective on Capacity
  - NWECC
- Regional Planning Group Presentation on Capacity
  - Northwest Power and Conservation Council

# General Capacity Investigation



- Capacity need and capacity values are used in multiple areas



# UM 2011 Approach



## Define Capacity

- What is capacity? How do utilities define it? Are there differences in flexible vs firm? By type (dispatchable, demand-side, variable intermittent resource (VIR), distributed energy resource (DER), storage, market contracts, other)

## Examine Capacity Acquisition

- How do utilities acquire capacity, for future/long-term, mid-term, short-term, seasonal, hourly, other?
- What methods of acquisitions – RFPs, bi-lateral negotiations, market purchase, capacity is ‘put’ to utility?

## Establish value methodology

- Peak-reduction, load shifting, delay in generation or T&D projects, ancillary services

## End Results

- End product is a series of recommendations on how the Commission should treat capacity
  - How to appropriately value resources: Dispatchable vs non-dispatchable, Energy Efficiency, intermittent resources, QFs, future products and services

# Phase 1: What is Capacity?



- Common understanding of ‘capacity’.
- Workshop to examine issues such as:
  - How do the resource characteristics such as dispatchability, firm capability to meet peak needs, commercially operational date vs timing of system need, and physical location on the system (T&D circumstances) factor in to the definition of capacity?
  - What system operational needs does capacity meet?
  - In the evolving energy grid is there a difference between flexible and firm capacity?
  - Do different resource types bring different capacity levels or values?

# Process - Investigation Phases



Phase 1: Define Capacity

Phase 2: Identify Capacity Acquisition

Phase 3: Valuing Capacity

<b>Timeframe (tentative)</b>	June 2019 – July 2019	August 2019 – September 2019	Q4 2019 – Q1 2019
<b>Goal</b>	Develop a knowledge-base for defining capacity.	Develop a knowledge-base for identifying capacity needs.	Develop modeling methodology to value capacity in all its forms.
<b>Milestones</b>	workshops to define capacity types (dispatchable, demand-side, variable intermittent resource (VIR), distributed energy resource (DER), storage, market contracts, other) and distinctions between operational vs mandated capacity.  capacity.	needed to define capacity acquisition (future, seasonal, short-term, markets, EIM, hourly, other).  Capacity needs.	define capacity value (peak-reduction, load shifting, delay in generation or T&D projects, ancillary services)  capacity value and method for incorporating in current capacity-related dockets.
<b>Key Objective</b>	Common definition for defining capacity.	Final proposal for determining Capacity need.	Commission acknowledgement of final report with recommendations on approach for capacity related issues.

# Process – After Workshop



- Staff to prepare draft language on defining capacity
- Language to be circulated to parties for comments
- Staff to potentially present definition at a Regular Public Meeting
- Phase 2 – Capacity Acquisitions