



# **BPA Overview and Transmission Initiative Updates**

**NWESS 2026 - April 2026**

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# Introduction to BPA

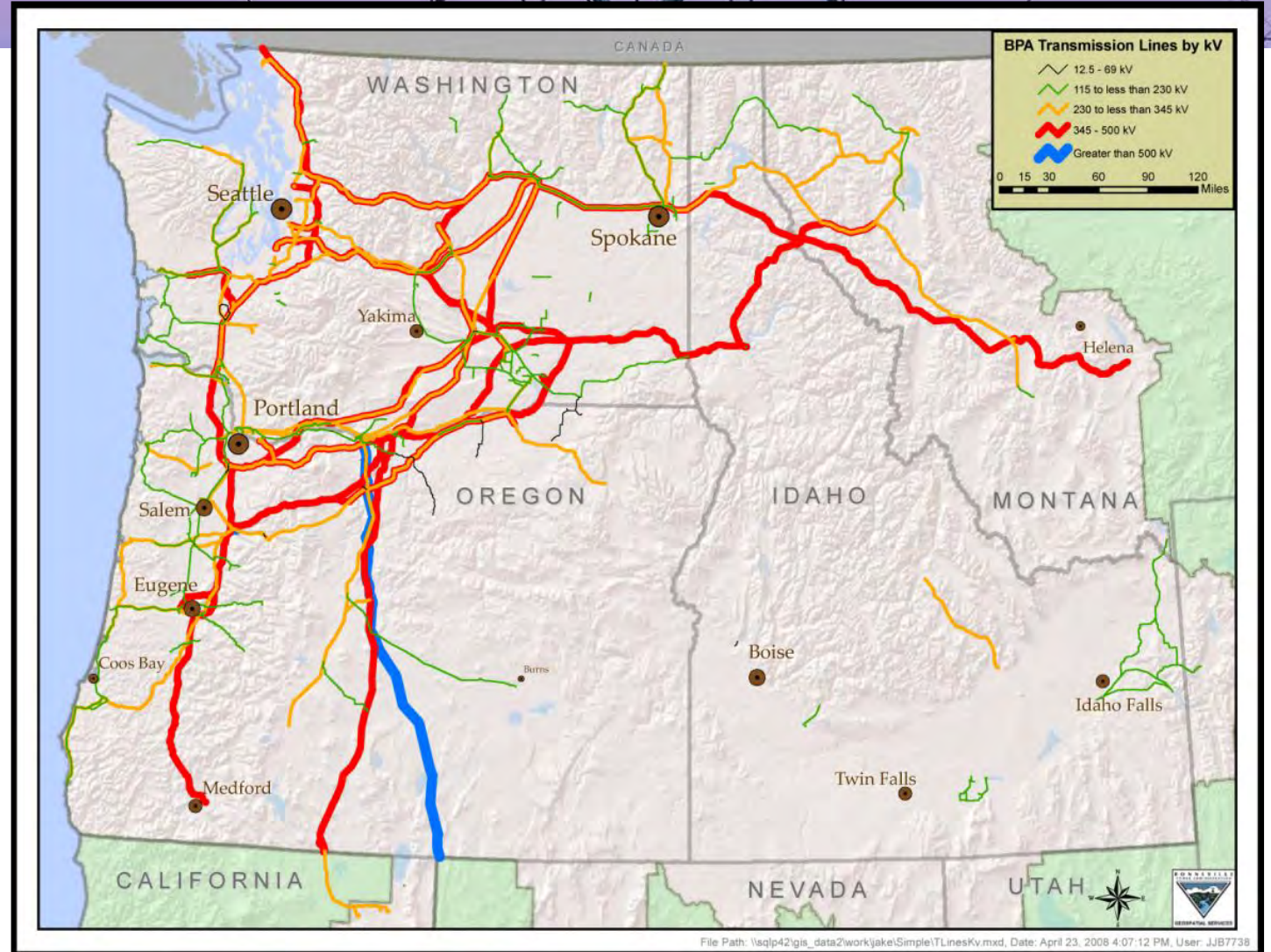
- BPA is a self-funded Power Marketing Authority under the US Department of Energy
- BPA has a current operating budget of \$4.869B
- BPA markets power from 31 Federal hydro plants, the Columbia Generating Station Nuclear Plant, and several small non-Federal power plants.
  - BPA owns no power generators.
  - About 80% of the power BPA sells is hydroelectric.
- BPA accounts for about 28% of the electric power consumed within the PNW and over 50% of power consumed in WA.
  - BPA recovers all costs from selling power and transmission services.
- BPA, with USCOE & USBR, invests \$250 - \$300 million per year in Fish & Wildlife programs across the Columbia River basin

For Informational Purposes Only



# BPA Transmission Infrastructure (FCRTS)

- BPA owns and operates 15,000+ circuit miles of transmission lines, including 4,735 miles of 500-kV lines
- BPA owns and operates 3500+ miles of fiber optic network
- BPA serves over 300 customers
- BPA operates several large paths in the Western Interconnection:
  - Northwest AC Intertie with California (4,800 MW)
  - Pacific HVDC Intertie (3,220 MW)
  - Northern Intertie with Canada (3,150 MW)
  - Montana Intertie (2,200 MW)

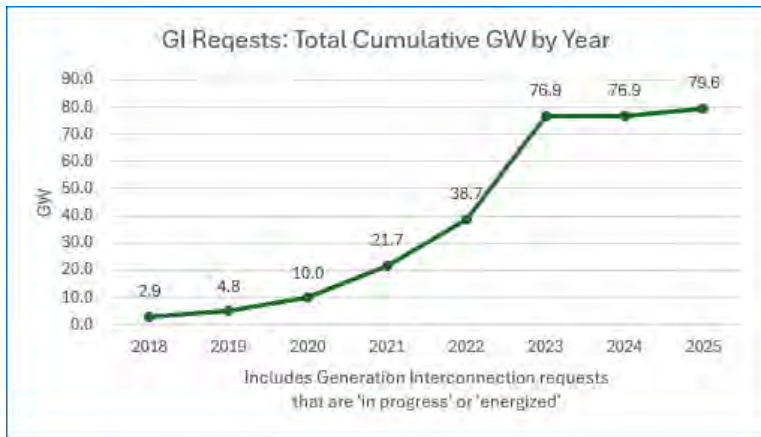


# BPA's Transmission Queues

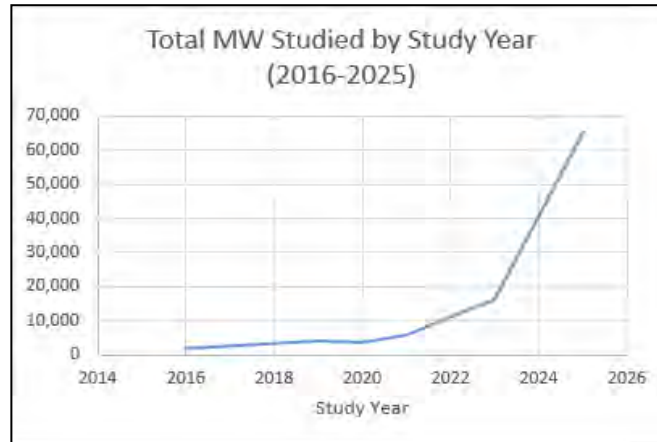
BPA identifies transmission upgrades in response to customer needs in three general areas: 1) Generator Interconnection; 2) New Transmission Service; and 3) Line/Load Interconnection



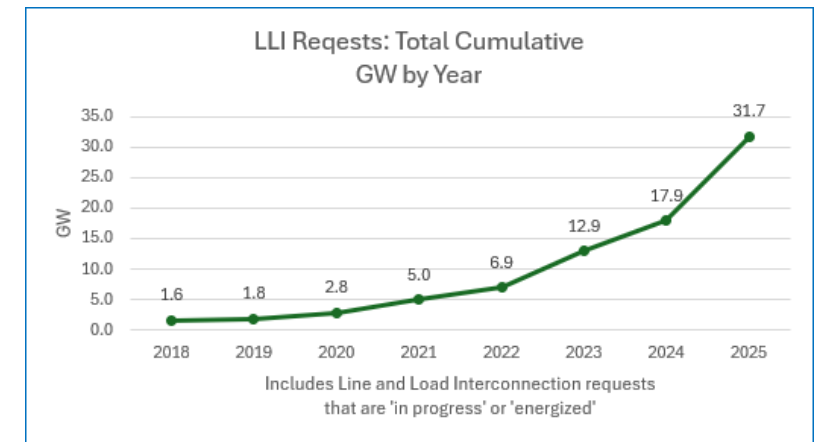
## 1. Generator Interconnection



## 2. Transmission Service



## 3. Line/Load Interconnection



# Grid Access Transformation

The regional demand guided BPA to a determination that a significant transformation of how it evaluates, studies and responds to long-term firm service needs across the region was necessary. BPA launched the Grid Access Transformation initiative in response.

## Evaluation Criteria (TC-27)

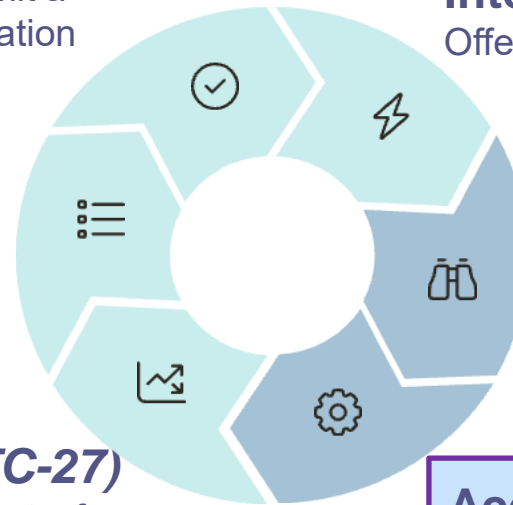
Requirements to submit a completed application

## Interim Service (TC-27)

Offer earlier access with informed risk

## LTF Queue Management (TC-27)

Activating what can move forward



## Proactive Planning (Future State)

Move ahead of requests

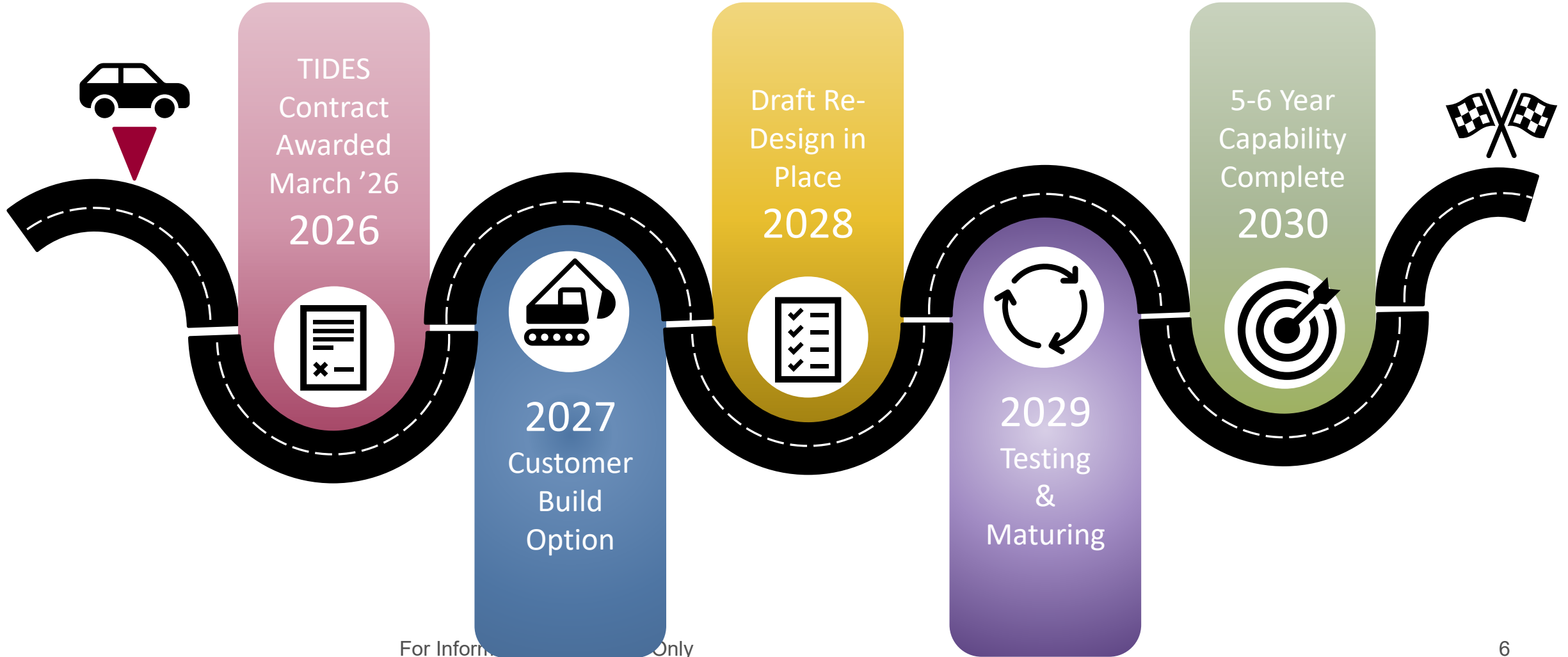
## NITS Forecasts (TC-27)

Anchored in customers' own forecasts, for which they are accountable

## Accelerate Expansion (Future State)

Restructure plan, design, and build processes to meet regional urgency

# Accelerate Expansion Five Year Timeline



# Grid Expansion and Reinforcement Portfolio (GERP)

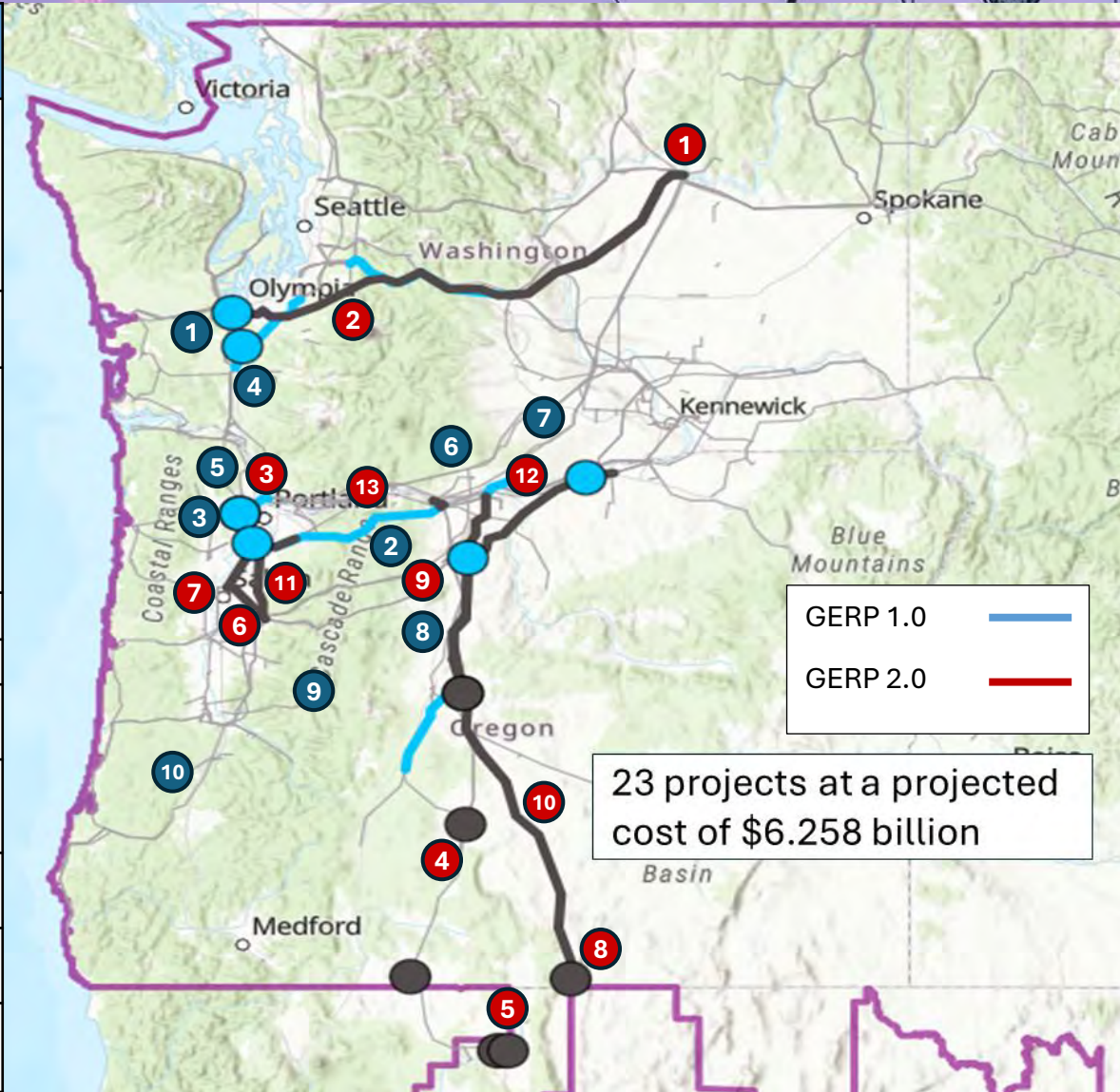
- In 2023 and 2024 BPA announced over 20 new transmission line and substation projects, totaling over \$6 billion in estimated direct costs, which will help improve and increase transmission capacity and reliability throughout the Northwest.
- These expansion projects were recently rebranded to the Grid Expansion and Reinforcement Portfolio (GERP) to reflect the expanded scope and purpose of the work.
- In Feb. 2026, BPA launched an interactive map of the GERP projects which can be accessed [here](#).

Web site: [Grid Expansion and Reinforcement Portfolio \(GERP\) - Bonneville Power Administration](#)

# GERP 1.0 & 2.0 Map

## GERP 1.0

1	Cross Cascades North Upgrades <ul style="list-style-type: none"> <li>Schultz-Raver 500 kV Line Upgrade</li> <li>Paul 500 kV Substation Upgrade</li> <li>Olympia 230 kV Substation Upgrade</li> </ul>
2	Big Eddy-Chemawa 230/500 kV Line Upgrade
3	Portland Area Upgrades <ul style="list-style-type: none"> <li>Pearl-Sherwood McLoughlin 230 kV Line Upgrade</li> <li>Keeler-Horizon 230 kV Line</li> <li>Keeler 230/500 kV Transformer Addition</li> </ul>
4	Chehalis-Covington 230 kV Line Upgrade
5	Ross-Rivergate 230 kV Line Upgrade
6	Rock Creek-John Day 500 kV Line Upgrade
7	Six Mile Canyon 230/500 kV Substation (New Construction)
8	Bonanza 230/500 kV Substation (New Construction)
9	La Pine-Bonanza 230 kV Line (New Construction)
10	Buckley 500 kV Substation Rebuild



## GERP 2.0

1	Grand Coulee-Columbia-Schultz 500 kV Line Upgrade
2	Schultz-Olympia 500 kV Line Upgrade
3	North of Pearl Upgrades
4	Central Oregon 500 kV Dynamic Reactive Upgrades
5	Hilltop/Warner Reactive
6	Salem Area Upgrades #1 (North of Marion)
7	Salem Area Upgrades #2 (North of Marion)
8	NOB Substation (New Construction)
9	Lower Columbia-Bonanza 500 kV Line (New Construction)
10	Bonanza to NOB 500 kV Line (New Construction)
11	Ostrander-Pearl 500 kV Line Upgrade
12	Big Eddy-Quenett Creek Upgrade
13	Big Eddy-The Dalles Line Rebuild