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B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

T r a n s m i s s i o n P l a n n i n g

2025 WECC Progress Report

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1 Introduction

This Progress Report is prepared in accordance with the Western Electricity Coordinating Council's (WECC) Progress Report Policies and Guidelines. This Progress Report (also known as the Supplemental Progress Report) includes projects from the previous Progress Report and any new projects. Finally, BPA requests waiver of “Significant Impact” status for transmission projects that have insignificant impacts on the Western Interconnection System.

This Progress Report includes the following funded generation projects and transmission system facilities:

- New generation projects over 200 megawatts (MW) connected to the transmission system.
- New and upgraded transmission system facilities over 200 kilovolt (kV) that may significantly alter the operation of the transmission system. Projects typically included are transformer additions, reinforcements, substations, and series capacitors.
- Any facilities below 200 kV that may have a significant impact on the reliability of the Western Interconnection.

Each project reported includes:

- A brief physical description of the project
- The planned project in-service date
- The project status (the planning, design, or construction status)

This Progress Report does not include:

Projects such as bus tie breakers, bus sectionalizing breakers, shunt reactive additions (reactors & capacitors), reterminations, circuit breaker additions, line disconnect switches, and transfer trips are not included in this report. Projects that are not funded by BPA are typically not included as well.



2 Planned Transmission Projects

2.1 Schultz-Wautoma 500 kV Series Capacitor Addition

2.1.1 Project Description

This project is necessary to increase South of Allston (SOA) available transfer capability and improve operations and maintenance flexibility for SOA. The project will add 1152 Mvar, 24 OHM series capacitor (rated 4000A at 500 kV) on the Schultz-Wautoma line at the Wautoma substation.

2.1.2 Project Planned Operating Date

This project was energized in late 2024 and is undergoing additional commissioning & operational tests.

2.1.3 Project Status

This project is in the completion phase.

2.2 Keeler 500 kV Expansion and Transformer Addition

2.2.1 Project Description

This project will add 500 kV breakers at Keeler substation to reconfigure the Keeler 500 kV bus layout into a double-breaker-double-bus arrangement. This project also adds a second 500/230 kV transformer bank at Keeler substation.

2.2.2 Project Planned Operating Date

This project is expected to be completed sometime by 2027.

2.2.3 Project Status

This project is in the scoping phase and is subject to final funding approval.

2.3 Six Mile Canyon 500/230 kV Substation Addition

2.3.1 Project Description

This project is associated with L0510 interconnection request. This project is to add a new 500 kV substation tentatively named West of Boardman with 230 kV connection to the Umatilla Electric Cooperative. This project will enable local area capacity for load and generation service.

2.3.2 Project Planned Operating Date

This project is expected to be completed in 2027.

2.3.3 Project Status

This project is in the scoping phase.



2.4 Bell-Boundary 230 kV No. 1 (Sacheen) Line Upgrade

2.4.1 Project Description

The Boundary-Sacheen No. 1 230 kV line has been de-rated from 80°C to 60°C MOT. The line will be restored to 80°C MOT and eventually increase it to 100°C MOT. This project is needed to maintain reliable load service in the area.

2.4.2 Project Planned Operating Date

This project is expected to be completed in 2027.

2.4.3 Project Status

This project is in the construction phase.

2.5 LaPine 230/115 kV Transformer Addition

2.5.1 Project Description

This project will replace and relocate transformer bank no. 2. La Pine's existing 230/115 kV 100 MVA transformer will be replaced with a new 230/115 kV 300 MVA transformer. The project will accommodate new generation in the La Pine, Oregon area that is associated with transmission service requests.

2.5.2 Project Planned Operating Date

This project is expected to be completed in 2027.

2.5.3 Project Status

This project is in the queue phase.



3 Planned Generation Interconnection Projects

The following planned generation interconnection projects are in the design, construction, commercialize, or close out phase. It does not include projects that are in the Initiation and Planning or Project Authorization Phases.

3.1 G0362 & G0738 Wind Project, 204 MW

3.1.1 Project Description

The Wheatridge project is 204 MW. The wind generation project is located near Morrow Flat Substation in Morrow County, Oregon with a point of interconnection requested at BPA Morrow Flat Substation.

3.1.2 Project Planned Operation Date

G0362 requested in-service date is 2027.

3.1.3 Project Status

G0362 is in the scoping phase.

3.2 G0539 Solar Project, 600 MW total

3.2.1 Project Description

A 600 MW solar project interconnecting at BPA's Ponderosa substation in Central Oregon.

3.2.2 Project Planned Operation Date

G0539 requested in-service date is 2025.

3.2.3 Project Status

G0539 is in the design phase.

3.3 G0559 Wind Project, 250 MW total

3.3.1 Project Description

A 250 MW wind project interconnecting on BPA's McNary-Franklin No. 2 230 kV line in Eastern Washington.

3.3.2 Project Planned Operation Date

G0559 requested in-service date is 2026.

3.3.3 Project Status

G0559 is in the design phase.



3.4 G0367 & G0368 Wind and Solar Project, 202 MW total

3.4.1 Project Description

A 202 MW wind and solar project interconnecting at BPA's Maupin substation in Wasco County, Oregon.

3.4.2 Project Planned Operation Date

G0367 requested in-service date is 2024.

3.4.3 Project Status

G0367 is in the completion phase.



4 Request For Waiver of “Significant Transmission Projects”

This section lists projects that are not expected to have significant impacts on the operation of the Western Interconnect System. Thus, BPA requests waiver of “Significant Transmission Project” status for the purpose of the Project Coordination Review Process.

4.1 Six Mile Canyon 500/230 kV Substation Addition

This project adds a new 500 kV substation tentatively named West of Boardman with 230 kV connection to the Umatilla Electric Cooperative. This project will enable local area capacity for load and generation service. BPA is the only affected NERC Transmission Planner or Transmission Owner for this project. Impacts to local BPA customers have already been coordinated via applicable Interconnection Study Requests and annual NERC TPL-001 System Assessments. No wider impacts to the Western Interconnection are expected from this project.

4.2 Bell-Boundary 230 kV No. 1 (Sacheen) Line Upgrade

The Boundary-Sacheen No. 1 230 kV line has been de-rated from 80°C to 60°C MOT. The line will be restored to 80°C MOT and eventually increase it to 100°C MOT. This project is needed to maintain reliable load service in the area. BPA and Avista are the only affected NERC Transmission Planner or Transmission Owner for this project. Impacts to local BPA customers have already been coordinated via annual NERC TPL-001 System Assessments. No wider impacts to the Western Interconnection are expected from this project.

4.3 Lapine 230/115 kV Transformer Addition

This project will replace and relocate transformer bank no. 2. La Pine's existing 230/115 kV 100 MVA transformer will be replaced with a new 230/115 kV 300 MVA transformer. The project will accommodate new generation in the La Pine, Oregon area that is associated with transmission service requests. BPA is the only affected NERC Transmission Planner or Transmission Owner for this project. Impacts to local BPA customers have already been coordinated via applicable Interconnection Study Requests annual NERC TPL-001 System Assessments. No wider impacts to the Western Interconnection are expected from this project.



5 Prior Submissions Granted Waiver of “Significant Transmission Projects”

5.1 Boardman Area Reinforcement Longhorn Substation (2024 Waiver)

This project adds a new source to the Boardman area by looping the McNary – Coyote Springs 500 kV line into 500 kV breaker-and-a-half yard, adds two 1200 MVA 500-230 kV transformers, and adds a 230 kV breaker-and-a-half yard to serve growing data center load in the area. BPA is the only affected NERC Transmission Planner or Transmission Owner for this project. Impacts to local BPA customers have already been coordinated via applicable Interconnection Study Requests and annual NERC TPL-001 System Assessments. No wider impacts to the Western Interconnection are expected from this project.

5.2 Cross Cascades North Upgrade (2024 Waiver)

This project enables additional transmission capacity on West of Cascades North (WOCN). Both Schultz-Raver #3 and #4 500 kV lines will be re-conducted; the 500 kV series capacitor on the Schultz-Raver #4 500 kV line will be upgraded to its ultimate rating to match the 500 kV series capacitor on the Schultz-Raver #3 500 kV line; a new +350/-300 Mvar STATCOM will be installed at Olympia 230 kV; a new 221 Mvar shunt capacitor bank will be installed at Paul 500 kV.

BPA is not seeking a new Accepted Rating for WOCN with this project, and any potential impacts on adjacent transmission systems have been coordinated through distribution of BPA’s Annual NERC TPL-001 System Assessment and BPA’s commercial Transmission Service Request and Expansion Process (TSEP) Cluster Studies. Puget Sound Energy (PSE) owns portion of the WOCN path definition, but the nature of the Project prevents any impacts to PSE’s circuits (series capacitors will offload PSE’s parallel transmission circuits).

5.3 Pearl-Sherwood-McLoughlin Upgrade (2023 Waiver)

(Formerly Pearl-Sherwood 230 kV Corridor Reconfiguration)

This project will split two sets of 230 kV circuits jumpered together and add 230 kV switch gear at BPA Pearl and PGE Sherwood substations, to be operated as four standalone 230 kV circuits (Pearl-Sherwood #1, #2 and #3 230; and Pearl-Sherwood-McLoughlin #1 230). The project will also reconnector several segments of the new circuits. This is a joint project with PGE and no other affected Transmission Owners. BPA and PGE has coordinated all potential impacts internal to their respective systems through multiple study forums.

5.5 South Tri-Cities Reinforcement (2022 Waiver)

This project proposes to add a Webber Canyon 500/115 kV transformer and new Webber Canyon-Badger Canyon 115kV line in the Tri-Cities area. This project will maintain reliable local load service to the Tri-Cities area. BPA is the only affected NERC Transmission Planner or Transmission Owner for this project. Impacts to local BPA customers have already been



coordinated via applicable Interconnection Study Requests and annual NERC TPL-001 System Assessments. No wider impacts to the Western Interconnection are expected from this project.

The project is in the design phase and is expected to be completed in 2027



6 Point of Contact

6.1.1 WECC StS Rep and Point of Contact

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