

October 11, 2022

VIA ELECTRONIC FILING


Public Utility Commission of Oregon
Attn: Filing Center
201 High Street SE, Suite 100
Salem, OR 97301-3398

**Re: LC 67—PacifiCorp's Compliance Filing—New Wind and Transmission Projects
Quarterly Update**

In compliance with Order No. 18-138, PacifiCorp d/b/a Pacific Power submits for filing its quarterly update on the progress of the development of the new wind projects from the 2017R Request for Proposals and transmission projects. This filing includes the update for the third quarter of 2022. Updates since the second quarter 2022 update have been provided in redline.

Please direct any questions regarding this report to Cathie Allen, Manager, Regulatory Affairs, at (503) 813-5934.

Sincerely,



Shelley McCoy
Director, Regulation

Enclosure

Cc: Rose Anderson, OPUC Staff



New Wind & Transmission Projects Quarterly Update

Public Utility Commission of Oregon
Third Quarter 2022



2017 IRP OPUC Acknowledgement Order



- 2017 IRP Acknowledgement Order, Order No. 18-138, docket LC 67, Appendix A:

Provide quarterly updates to the Commission and Staff as development of the projects chosen in the 2017R RFP and the transmission projects proceed (through the date the projects go into service).



2017R RFP Wind Projects Status Update



	TB Flats (PacifiCorp)	Ekola Flats (PacifiCorp)	Cedar Springs II (NextEra)
Interconnection	Shirley Basin POI; LGIA executed; LGIA COD TB I achieved August 9, 2021; LGIA COD TB II achieved October 19, 2021	Aeolus POI; LGIA executed; LGIA COD achieved April 1, 2021	Windstar POI; A&R LGIA executed; LGIA COD achieved April 1, 2021; Non-standard LGIA Amendment is pending
Safe Harbor Turbines	Assigned and documented	Assigned and documented	Assigned and documented
Site Control	50,000 acres private/state leases acquired; gen-tie right-of-way acquired	17,000 acres private/state leases acquired; gen-tie right-of-way acquired	70,000 acres private leases acquired; gen-tie right-of-way acquired
Permitting Status	Industrial siting and conditional use permits received	Industrial siting and conditional use permits received	Industrial siting and conditional use permits received
Avian Data Collection / Permitting	Eagle incidental take permit application submitted	Eagle incidental take permit application submitted	Eagle incidental take permit application submitted
Contracts	Balance of plant agreement executed in August 2018 with FNTF issued in April 2019; One Final Completion Certificate is pending	Balance of plant agreement executed in August 2018 with FNTF issued in April 2019 and Final Completion Certificates have been executed	Build-transfer agreement and power purchase agreement executed on October 19, 2018; BTA transaction closed on December 1, 2020
Upcoming Milestones	Completed ADLS integration with completion certificate pending	Completed ADLS integration	Completed ADLS integration with completion certificate pending
Outreach / Community Engagement	Maintaining Industrial Siting Permit Conditions	Maintaining Industrial Siting Permit Conditions	Maintaining Industrial Siting Permit Conditions

Transmission Projects Status Update



	Aeolus to Bridger Transmission	Aeolus to Bridger Substation	230kV Network
Construction	The transmission line was placed in-service November 3, 2020	<p>Aeolus, Anticline and Jim Bridger Substations all fully complete and placed in-service November 3, 2020</p> <p>Shunt Capacitors at Grass Creek and Hill Top all complete and placed in-service November 2020</p> <p>RAS Modifications complete and placed in-service November 3, 2020</p> <p>Latham STATCOM complete and placed in-service November 12, 2020</p> <p>Final punch-list work complete</p>	<p>230kV transmission line completion status:</p> <ul style="list-style-type: none"> a) Shirley Basin – Aeolus #2: Completed, in-service September 3, 2020 b) Freezeout – Standpipe: Completed, in-service October 13, 2020 c) Aeolus – Freezeout: Completed, in-service October 23, 2020 d) Shirley Basin – Aeolus #1 line: completed, in-service November 5, 2020 <p>Substation construction/modifications at all locations complete and energized:</p> <ul style="list-style-type: none"> a) Windstar: Complete b) Shirley Basin: Complete c) Freezeout: Complete d) Wind Farm Collector Substations: Complete
Permitting Status	All required permits acquired	All required permits acquired	All required permits acquired
Upcoming Milestones	Energized November 3, 2020	Energized November 3, 2020	Energized per notes above

Transmission Planning Update



Complete

- Final FAC-013-02 transfer capability assessment studies were completed and distributed to affected utilities (WAPA, Idaho Power, PSCO (Xcel Energy), Tri-State, Deseret Power, Black Hills and Basin Electric)
- RFP/eAuction process for the dynamic line rating (DLR) system to be added to the existing Dave Johnston – Amasa – Difficulty – Shirley Basin 230 kV line to maximize transmission line utilization during the varying wind conditions in eastern Wyoming has been completed and awarded to the low bidder
- The updated Bridger Remedial Action Schemes (RAS) was completed and placed in-service
- The Aeolus RAS **for EV2020** was completed and placed in-service
- The Latham STATCOM was tested and placed in-service
- The Aeolus Area Voltage Control Scheme utilizing wind farm dynamic reactive capabilities is operational
- System Operating Limit (SOL) studies for the 2021 summer season were completed and approved March 29, 2021
- The following studies have been completed for the Gateway South Project
 - Reactive Compensation Study: To identify additional static/dynamic reactive compensation devices such as shunt capacitors or reactors or SVC or STATCOM required for reliable operation of the Gateway South Project
 - Swing Current Study: To determine the maximum swing current through the series capacitors on the Gateway South line under outage conditions
 - Closing Angle study: To determine what the angle difference would be between the two ends (Aeolus and Clover) with the GWS out of service and the angle at which the GWS can be reliably switched in-service after an outage
- **Scope document for the changes to Aeolus RAS due to energization of Gateway South (EV2024) developed**
- The bids for the following transmission equipment have been awarded
 - Series capacitor bid awarded.
 - **Weekly meeting being conducted with the manufacturer on design progress**
 - Transformers
 - Phase shifters

In-Process

- Implementation of the Dave Johnston – Amasa – Difficulty – Shirley Basin 230 kV line DLR system
 - Contract negotiations with Tri-State G&T to upgrade equipment at Difficulty ongoing
- Design studies in progress for the series capacitors at Little Snake and Coyote on the GWS line
- **Studies for changes to Jim Bridger RAS due to energization of Gateway South and additional resources under progress**