

October 31, 2019

VIA ELECTRONIC FILING

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

Attn: Filing Center

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

PacifiCorp d/b/a Pacific Power provides the attached report to the Public Utility Commission of Oregon (Commission) and staff, in compliance with Order No. 18-138, to provide quarterly updates to the Commission and staff as the development of the new wind projects from the 2017R Request for Proposals and transmission projects proceed. This report includes the update for the third quarter of 2019. Updates from the second quarter update have been provided in redline.

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

Sincerely,


Etta Lockey
Vice President, Regulation

cc: Rose Anderson, OPUC Staff



New Wind & Transmission Projects Quarterly Update

Public Utility Commission of Oregon
Third Quarter 2019

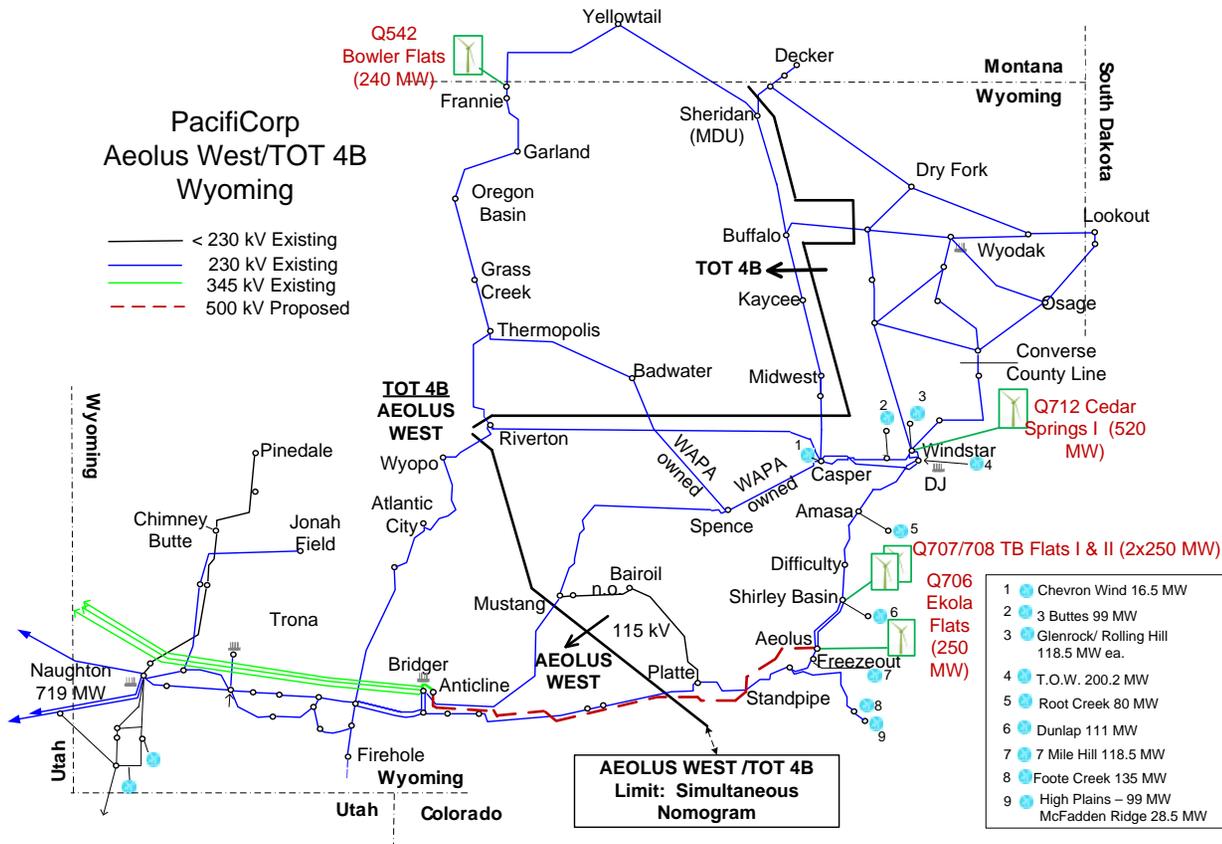


2017 IRP OPUC Acknowledgement Order



- 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).

Transmission/New Wind - Wyoming



2017R RFP Wind Projects Status Update



	TB Flats I & II (PacifiCorp)	Ekola Flats (PacifiCorp)	Cedar Springs (NextEra)
Interconnection	Shirley Basin POI; LGIA executed	Aeolus POI; LGIA executed	Windstar POI; LGIA executed; an amended and restated LGIA submitted for FERC approval in July 2019
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 in acquired
Permitting Status	Permitting in process and on schedule; industrial siting and conditional use permits received	Permitting in process and on schedule; industrial siting and conditional use permits received	Permitting in process and on schedule; industrial siting and conditional use permits received
Avian Data Collection / Permitting	Underway (24 Months); agency consultation continues	Underway (24 Months); agency consultation continues	Underway (24 Months); agency consultation continues
Contracts	Balance of plant EPC contract executed in August 2018 with FNTF issued in April 2019	Balance of plant EPC contract executed in August 2018 with FNTF issued in April 2019	Build-transfer agreement and power purchase agreement executed on October 19, 2018
Upcoming Milestones	Complete TB I collector substation foundations September 2019	First WTG foundation concrete placement October 2019	BTA Firm Date August 2019
Outreach / Community Engagement	Support Industrial Siting Permit Conditions	Support Industrial Siting Permit Conditions	Support Industrial Siting Permit Conditions

Transmission Work-scope Overview



Aeolus-to-Bridger/Anticline (Energy Gateway, Segment D2)

- New 140-mile, 500 kilovolt transmission line and new Aeolus and Anticline substations
- New 5-mile, 345 kilovolt Anticline-to-Jim Bridger line; including modifications at Jim Bridger substation
- New voltage control device at Latham substation

Network Upgrades

- New 16-mile, 230 kilovolt line from Shirley Basin to proposed Aeolus substation, with substation modifications (TB Flats I & II)
- Reconstruction of 16-mile, 230 kilovolt Shirley Basin-Aeolus line, with substation modifications (Cedar Springs)
- Reconstruction of 4-mile, 230 kilovolt Aeolus-Freezeout line, with substation modifications (Cedar Springs)
- Reconstruction of 12-mile, 230 kilovolt Freezeout-Standpipe line, with substation modifications (Cedar Springs)
- 230 kilovolt Shunt Capacitor additions at ~~Frannie~~, Grass Creek and Hill Top substations

Transmission Planning Update



Complete

- Updating the power system model for Wyoming to include the PacifiCorp 2017R RFP short list resources as well as the latest computer model for the Vestas V136-4.3 MW wind turbines
- Completed the detailed analysis for both the Standpipe, Aeolus and Bridger (C/D) remedial action schemes (RASs) as well as engineering review of the three RAS schemes and initial presentation to WECC RAS Reliability Subcommittee (RASRS)
- Completed the Investment Appraisal Document (IAD) for replacing the dynamic line rating equipment on the Platte – Standpipe 230 kV line with newer technology equipment. (This dynamic line rating is key to achieving necessary transfers on the Aeolus West transmission path.)

In-Process

- Design of the Aeolus Area Voltage Control Scheme – utilizing wind farm dynamic reactive capabilities
- Coordination between Transmission Planning and Grid Operations is continuing to assure a smooth operational transition from project pre-D.2 project to the post-D.2 project configuration
- Aeolus West FAC-013-2 Assessment of Transfer Capability (effective summer 2021)

Future

- Approval of the Aeolus RAS and modifications to the Standpipe and Bridger (C/D) RAS by the WECC
- Aeolus West Path Rating:
 - California ISO – RC West System Operating Limit (SOL) studies

Transmission Project Status Update



- National Environmental Policy Act
 - Gateway West Segment D, Record of Decision November 2013
 - Plan of Development and Mitigations, currently in final development
- Certificate of Public Convenience and Necessity
 - Filed June 30, 2017
 - ~~Bench Order approval issued April 12, 2018~~
 - ~~Written Order issued October 8, 2018~~
- Conditional Use Permit (Carbon County)
 - ~~Application submitted May 22, 2018~~
 - Board of County Commissioners approval September 4, 2018
- ~~Wyoming Industrial Siting Permit~~
 - ~~Application submitted July 30, 2018~~
 - ~~Industrial Siting Council approval October 26, 2018~~
- ~~Aeolus to Bridger transmission line construction contract awarded November 2018~~
- ~~Aeolus to Bridger substations construction contract awarded November 2018~~
- ~~SVC (Latham Device) contract awarded February 2019~~
- Aeolus to Bridger construction began April 9, 2019
 - Underway: Structure foundation excavation and pouring (76% complete), structure erection (56% complete) and wire stringing (25% complete)
 - Underway: Substation construction/modifications at Aeolus, Anticline and Jim Bridger, including excavation, grounding, cable trench work, conduit installation, bus work and circuit breaker change-out/installation
- 230 kilovolt Network Upgrade construction began June 30, 2019
 - Underway – New transmission line construction between Shirley Basin and Aeolus substations (16 miles), including construction access roads, foundation work and structure erection
 - Underway – Transmission 230 kilovolt line rebuild between Shirley Basin and Aeolus (16 miles)
 - Underway: Substation construction/modifications at Shirley Basin, Freezeout, Cedar Springs and TB Flats I and II substations, as well as reconstruction of the Freezeout to Aeolus transmission line (4 miles)
 - Underway – Shunt capacitor additions at Hill Top and Grass Creek substations
- 230 kilovolt Shunt Capacitor procurement Q3 2019, construction 2020