



WestTEC Transmission Study: Advancing Oregon's Energy Future

WestTEC's 10-year West-Wide Transmission Study provides an actionable plan to advance critical transmission projects that strengthen reliability, integrate new resources, and enable economic growth in Oregon and across the West.

About the WestTEC study

Through an unprecedented effort paid for and driven by over 70 regional utilities and stakeholders, WestTEC's *West-Wide Transmission Study: 10-year Horizon Report* identifies critical transmission projects required for reliable and efficient grid operations through 2035. While this summary focuses on projects located in Oregon, the broader portfolio also includes transmission investments in neighboring states that will provide significant reliability and economic benefits to Oregon.

WestTEC benefits for Oregon

WestTEC transmission projects would deliver significant benefits to Oregon, including:

- **More generation.** Enables 10 GW of new capacity, representing a 52% increase from today.
- **More resilience.** Supports critical electricity transfers to keep the lights on during extreme events, such as winter storms and heat waves.
- **More economic development.** Enables 13% load growth by 2035, positioning Oregon to attract and grow new industries.
- **Advancing Oregon's goals.** Supports Oregon's Clean Energy Target's bill of 100% clean electricity by 2040.

Oregon 2035 outlook



13% load growth



1,705 miles of transmission upgrades*



10 GW of new generating capacity

*Includes interstate transmission projects with mileage outside of Oregon.

Total investment in Oregon

The WestTEC study identified a need for \$9 billion of new or upgraded transmission in Oregon — roughly 62% of the investment in the I-5 highway project between Portland, OR, and Vancouver, WA.

While this may seem daunting, projects representing 77% of the total mileage have either been identified in previous utility studies or are currently under development.

Oregon has the expertise, resources, and institutions to deliver these projects. The following page reviews the full project portfolio and outlines what is next.

Proposed WestTEC transmission projects in Oregon

In Oregon, WestTEC confirmed the need for 17 projects already identified by incumbent and independent developers. It also identified 4 additional projects that are not yet formally planned and will require sponsors. All projects must be completed by 2035 to meet growing demand and maintain reliability in Oregon and across the West.

Bonneville Power Administration, PacifiCorp, and Portland General Electric projects

BPA has identified 11 new and upgraded transmission projects totaling approximately \$3.1 billion in its resource and transmission plans.

PAC is planning three additional transmission lines and is jointly developing the 290-mile Boardman-to-Hemingway transmission line with Idaho Power, connecting Idaho and Oregon.

PGE has partnered with the Confederated Tribes of Warm Springs to develop a 100-mile transmission line supported by a \$250 million US Department of Energy grant. PGE is also developing a separate 33-mile transmission line.

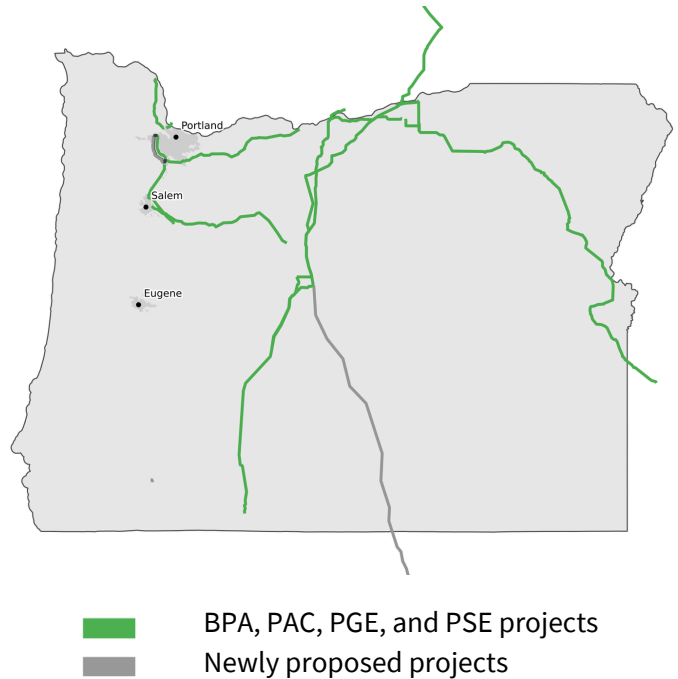
What happens next?

WestTEC's 10-Year Transmission Study provides an actionable roadmap for advancing transmission in Oregon. Given the long timeline for siting, permitting, and construction, it is critical to move these projects forward now. Incumbent and independent transmission developers must complete their planned projects, while newly proposed projects will need to be advanced through new partnerships. Strong coordination across stakeholders will be essential to ensure these projects are successfully delivered.

Coming soon...

Expected later in 2026, WestTEC's 20-year horizon study will build on the 10-year horizon study by examining Western grid needs through 2045 under varied load growth, policy, and technology futures. Extending the planning horizon enables more proactive decision-making, helping ensure that near-term investments deliver the greatest long-term value at the lowest overall costs. Additionally, the 20-year study will quantify the cost savings delivered by the portfolio.

WestTEC transmission portfolio in Oregon by project developer



Source: Horizon Energy Systems, 2026, ourgridfuture.org

Newly proposed projects

The WestTEC plan identified one new line, one upgrade through substation upgrades, and two reconductoring projects, totaling \$2.1 billion to address both intrastate and regional needs. While some are being considered by developers, they have not advanced to development and still require sponsorship. Early coordinated action on these projects is essential to ensure reliability through 2035.