PGE Energizes 475 MW of Battery Energy Storage to Boost Grid Reliability and Keep Costs Low for Oregonians

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PORTLAND, Ore., Aug. 7, 2025 /PRNewswire/ -- Portland General Electric (PGE) today announces the completion of three new utility-scale battery energy storage systems, adding 475 megawatts (MW) and more than 1.9 gigawatt hours (GWh) of dispatchable capacity to serve the Portland metro area.



Together, these three facilities can power roughly 300,000 homes for four hours during peak demand or when power is limited due to weather or unexpected interruptions. Additionally, they offer flexibility and backup capacity to ensure that PGE customers have access to electricity when they need it most.

"Batteries play an important role in helping PGE build a more flexible, reliable and diverse generation portfolio," said Darrington Outama, PGE Senior Director of Energy Supply. "In addition to providing power during peak hours every day, batteries enhance our ability to respond to sudden changes in the grid and help keep energy supply and demand balanced. For customers, that means more stable and reliable power, all at the lowest possible cost."

Strategically located at key substations in North Portland, Troutdale and Hillsboro, these four-hour lithium-ion battery energy storage systems are integrated into PGE's system to better align the production and consumption of electricity, which reduces strain on the grid. Battery storage reduces PGE's reliance on expensive short-term electricity purchases, helping stabilize energy costs, limit price volatility for customers, and support the integration of intermittent sources like wind and solar.

Two of the newly operational facilities, successfully developed and awarded to Eolian, L.P. (Eolian) through Portland General Electric's 2021 All-Source Request for Proposals (RFP) process, include:

- **Seaside:** A 200 MW PGE-owned facility located in North Portland and delivered to PGE by Eolian, L.P. (Eolian) under a fixed-cost Build-Transfer Agreement (BTA). The facility achieved commercial operation in July 2025.
- **Sundial:** A 200 MW facility in Troutdale, developed by Eolian and operated by NextEra Energy Resources under a 20-year storage capacity agreement with PGE. The facility achieved commercial operation in December 2024.
- **Constable:** A 75 MW PGE-owned facility located in Hillsboro and constructed for PGE under an engineering, procurement and construction agreement with Mortenson. The facility achieved commercial operation in December 2024.

"Battery energy storage systems sited at major substations radically improve the use of existing high voltage transmission lines, avoiding expensive or challenging new grid upgrades and providing a low-cost load growth solution through existing infrastructure," said Aaron Zubaty, CEO of Eolian.

In addition to the three new large-scale battery facilities, PGE completed its 17 MW Coffee Creek Battery Storage system near Wilsonville in 2024. The completion of Seaside, Sundial, Constable and Coffee Creek brings PGE's large-scale battery storage capacity to 492 MW.

About Portland General Electric

Portland General Electric (NYSE: POR) is an integrated energy company that generates, transmits and distributes electricity to over 950,000 customers serving an area of 1.9 million Oregonians. Since 1889, Portland General Electric (PGE) has been powering social progress, delivering safe, affordable, reliable and increasingly clean electricity while working to transform energy systems to meet evolving customer needs. PGE customers have set the standard for prioritizing clean energy with the No. 1 voluntary renewable energy program in the country. PGE was ranked the No. 1 utility in the 2024 Forrester U.S. Customer Experience Index and is committed to reducing emissions from its retail power supply by 80% by 2030 and 100% by 2040. In 2024, PGE employees, retirees and the PGE Foundation donated $5.5 million and volunteered nearly 23,000 hours to more than 480 nonprofit organizations. For more information visit www.PortlandGeneral.com/news.

About Eolian

Eolian operates a growing portfolio of battery energy storage projects and develops and invests in clean energy and co-located datacenter projects across the US. For over 20 years, Eolian's founding management has worked together to build the assets at the core of the company, creating unique and proprietary structures that have directly funded the development of nearly 30 GW of operating or under-construction energy storage, solar, and wind generating capacity across the country. Eolian is owned by its employees and funds that are managed by Global Infrastructure Partners (GIP), a BlackRock company and leading global infrastructure investor For more information, follow Eolian on LinkedIn or visit www.eolianenergy.com.

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