

# Pge energy storage projects



## Overview

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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. 9 gigawatt hours (GWh) of dispatchable capacity to serve the Portland metro area. First-of-a-kind and fully sustainable microgrid platform, developed to support the long-term vision of the California Public Utility Commission and PG&E to ensure Calistoga's power resiliency during Public Safety Power Shutoffs (PSPS), creates blueprint for future installations across California. The new portfolio consists of three four-hour duration projects finalized through the utility's 2021 all-source RFP. 9 GWh of capacity to its grid in. Programs that help provide safe, reliable, affordable, and clean energy EPIC enables PG&E, other California Investor-Owned Utilities and the California Energy Commission (CEC) to demonstrate and deploy emerging technology projects that address developing grid needs.

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### [Inside the battery projects redefining PG& E's grid upgrade playbook](#)

When PG& E issued the second solicitation for its Distribution Infrastructure Deferral Framework pilot in late 2023, most bidders proposed aggregated fleets of small, behind-the-meter ...

### [PGE Energizes 475 MW of Battery Energy Storage to Boost Grid](#)

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) ...

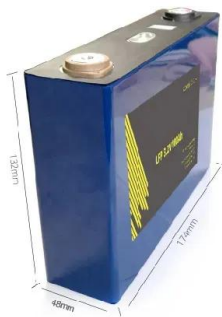


### [Emerging Electric Technology Programs , PG& E](#)

EPIC enables PG& E, other California Investor-Owned Utilities and the California Energy Commission (CEC) to demonstrate and deploy emerging technology projects that address developing grid needs.

### [Energy Vault, PG& E launch 'world's first' ultra-long duration hybrid](#)

PG& E argues that this project provides a unique, fully sustainable solution to address power resiliency amidst the growing challenges of wildfire risk in California.



### PG& E Corporation

Energy Vault® develops, deploys and operates utility-scale energy storage solutions designed to transform the world's approach to sustainable energy storage.

### [Energy Vault, PG& E Announce Successful Calistoga Resiliency Center](#)

Energy Vault and PG& E announce the successful completion of the Calistoga Resiliency Center, a hybrid microgrid energy storage facility integrating hydrogen fuel cells and lithium-ion ...



### [PGE procures 400MWAC of battery energy storage projects in ...](#)

US-based public utility Portland General Electric (PGE) has procured 400MWAC of new battery storage projects to be located at substations close to electrical demand in Oregon, US.



[PGE announces major clean energy storage project in Portland](#)

Portland General Electric, the utility that serves Portland, Oregon, announced Friday it is putting in the second-largest battery storage installation in the United States, 400 MW of power. Large batteries ...



[PGE completes 1.9 GWh of battery storage projects in Oregon with](#)

Portland General Electric (PGE) has completed the commissioning of three new battery energy storage systems (BESS), adding a total of 475 MW and 1.9 GWh of capacity to its grid in ...

[Energy Vault, PG& E unveil multi-day duration hydrogen-plus-battery](#)

The project will provide backup power for around 1,600 customers of utility Pacific Gas & Electric (PG& E) in the Californian city of Calistoga in the event of wildfires and extreme weather events.



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