

## Kongres Container

# 2025 cascade energy storage projects



## Overview

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Energy Northwest has announced the official name for its upcoming project, the Cascade Advanced Energy Facility, in collaboration with Amazon and X-energy. The project will see the construction of 12 modular nuclear reactors north of the Tri-Cities. How much energy will northwest's Cascade advanced energy facility generate?

Energy Northwest's Cascade Advanced Energy Facility is projected to generate 320 megawatts (MW) of carbon-free, reliable energy, and when fully built out, up to 960MW.

Will energy storage growth continue through 2025?

With developers continuing to add new capacity, including 9.2 GW of new lithium-ion battery storage capacity in 2024 through November 2024 and comparable levels of growth expected through the fourth quarter of 2024, energy storage investments and M&A activity are expected to continue this trajectory through 2025.

What is Cascade advanced energy facility?

The proposed project – now officially called Cascade Advanced Energy Facility – is poised to be the first SMR in the Pacific Northwest. “Today marks a pivotal step forward in bringing this transformative project to life,” said Bob Schuetz, CEO of Energy Northwest.

Will battery storage set a record in 2025?

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record growth in 2024 when power providers added 10.3 GW of new battery storage capacity.

What are energy storage systems?

Energy storage systems are not primary electricity sources, meaning the

technology does not create electricity from a fuel or natural resource. Instead, they store electricity that has already been created from an electricity generator or the electric power grid, which makes energy storage systems secondary sources of electricity. Wind.

What challenges do energy storage resources face?

Energy storage resources present a distinct set of challenges given their unique nature: unlike conventional or renewable generation, energy storage resources must be charged with electric power, which will sometimes (but not always) be provided by the offtaker.

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