

# Columbia Edge Yard Energy Storage Power Station





## Overview

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What is the Columbia Energy Storage Project?

Utilizing cutting-edge technology designed by Energy Dome, the Columbia Energy Storage Project will boost grid stability, improve resilience and deliver enough electricity to power approximately 18,000 Wisconsin homes for 10 hours on a single charge.

What is Alliant Energy's Columbia Energy Storage Project?

Alliant Energy's revolutionary Columbia Energy Storage Project, using Energy Dome's safe, reliable CO<sub>2</sub> battery, represents a significant advancement in energy storage while bolstering the power grid to benefit Wisconsin customers.

Will Wisconsin build the first long-duration energy storage system?

MADISON, Wis. (July 18, 2025) – Plans to construct the first long-duration energy storage system of its kind in the United States are advancing following approval from the Public Service Commission of Wisconsin (PSC).

Where will a new energy storage system be built?

The energy storage system will be built south of Portage, Wisconsin in the town of Pacific and near Alliant Energy's existing Columbia Energy Center. Construction is expected to begin in 2026 and be completed by the end of 2027.



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### [Pioneering energy storage project advances in Wisconsin](#)

MADISON, Wis. (July 18, 2025) - Plans to construct the first long-duration energy storage system of its kind in the United States are advancing following approval from the Public Service ...

### [Tesla to Build Grid-Side Energy Storage Station in Shanghai](#)

Jun 24, 2025 · The energy storage station will be located in the Lin-gang Special Area of the China (Shanghai) Pilot Free Trade Zone. Partners in the project include Tesla, the ...



### [Pioneering energy storage project advances ...](#)

MADISON, Wis. (July 18, 2025) - Plans to construct the first long-duration energy storage system of its kind in the United States are advancing ...



### [Wisconsin Utility Investors](#)

The Columbia Energy Storage Project is the first long-duration energy storage system of its kind to be developed in the United States. The 18-megawatt project is designed to improve grid ...



### Wisconsin Regulators Approve First of its Kind Long-Duration Storage

Jul 25, 2025 · Utilizing cutting-edge technology designed by Energy Dome, the Columbia Energy Storage Project will boost grid stability, improve resilience and deliver enough electricity to ...



### Wisconsin Regulators Approve Alliant Energy's 20MW CO2 Battery Storage

Jul 24, 2025 · The Columbia Energy Storage Project will utilize Energy Dome's closed-loop CO2 battery system, a novel technology that stores electricity by compressing carbon dioxide gas ...



### Columbia Energy Storage Project To Pioneer CO2-Based ...

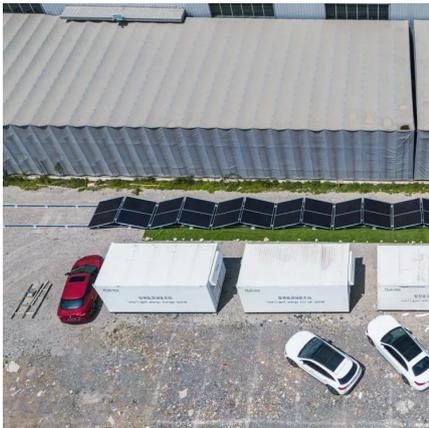
Sep 14, 2024 · The Columbia Energy Storage Project in Wisconsin is set to become the first U.S. initiative to deploy a carbon dioxide (CO2) battery system, marking a significant step in the ...





## Alliant Energy Corporation

Alliant Energy's new battery system, known as the Columbia Energy Storage Project, would be the first-of-its-kind in the United States and represents a significant advancement toward a ...



### **The first industrial-scale energy storage facility in the U.S.**

Jul 25, 2025 · The Public Service Commission (PSC) has just approved the Columbia Energy Storage project--the nation's first industrial-scale deployment of an innovative energy storage ...

## Wisconsin Approves Columbia Energy Storage Project with ...

Jul 22, 2025 · The Public Service Commission of Wisconsin has approved plans for construction of the Columbia Energy Storage Project, which uses a CO2 battery to bolster the power grid. ...



### **Wisconsin Approves Alliant's Long-Duration Energy Storage ...**

Jul 21, 2025 · Alliant Energy's Columbia Energy Storage Project, the first long-duration energy storage system of its kind in the US, has been approved by the Public Service Commission of ...



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