

EQACC SOLAR

Columbia Power Emergency Energy Storage



Overview

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 CO₂ 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. (J) – 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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CX-033516: Columbia Energy Storage Project - Phase 1

DOE's Office of Clean Energy Demonstrations (OCED) is proposing to provide funding to Alliant in support of the Columbia Energy Storage Project. The proposed activities ...

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Wisconsin OKs Nation's First CO2 Battery Storage Project

The Public Service Commission of Wisconsin has approved Alliant Energy's plan to build Columbia Energy Storage Project with Energy Dome.

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Energy Dome's 10-hour Wisconsin battery approved

The project will utilise Energy Dome's CO2 Battery, which stores energy via the adiabatic compression of carbon dioxide. Image: Energy Dome, Alliant Energy Energy Dome ...

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Wisconsin OKs Nation's First

CO2 Battery ...

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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 ...

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Wisconsin Regulators Approve First of its Kind Long-Duration Storage

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State Regulators Approve Columbia Energy Storage Project

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 ...

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Columbia Energy Storage Project Receives DOE Funding

Pending approval, project construction could begin in 2025 with completion in 2026. Development of the Columbia Energy Storage Project is being led by Alliant Energy in ...

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Columbia Energy Storage Project Receives ...

Pending approval, project construction could begin in 2025 with completion in 2026. Development of the Columbia Energy Storage ...

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

...

The Columbia Energy Storage Project is poised to provide enough electricity to

power approximately 18,000 Wisconsin homes for 10 hours on a single charge, enhancing grid ...

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Pioneering energy storage project advances in Wisconsin

MADISON, Wis. (J) - 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 ...

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

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 ...

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Our Lifepo4 batteries can be connected in parallels and in series for larger capacity and voltage.



Energy Dome's 10-hour Wisconsin battery ...

The project will utilise Energy Dome's

CO2 Battery, which stores energy via the adiabatic compression of carbon dioxide.
Image: ...

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Pioneering energy storage project advances ...

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