



LLSE CONTAINERS

# Columbia Energy Storage Power





## Overview

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### What is the Columbia Energy Storage Project?

The Columbia Energy Storage Project uses a new technology, designed by Energy Dome. The system's unique features will boost grid stability, improve resilience and deliver enough electricity to power approximately 18,000 Wisconsin homes for 10 hours on a single charge.

### Will Alliant Energy build a long-duration energy storage system in Columbia County?

Alliant Energy filed an application with the state Public Service Commission on Aug. 7 to build a long-duration energy storage system in Columbia County. It would be the first project of its kind in North America.

### Is Columbia Energy Storage Project a forward-looking statement?

Similarly, statements that describe the Columbia Energy Storage Project and our clean energy vision are forward-looking statements. These forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from those expressed in, or implied by, the statements.

### Is a new energy storage system coming to Wisconsin?

Photo courtesy of Alliant Energy A first of its kind energy storage system coming to Wisconsin took a step forward this month, almost a year after the project was announced. Alliant Energy filed an application with the state Public Service Commission on Aug. 7 to build a long-duration energy storage system in Columbia County.



## Columbia Energy Storage Power



[First of its kind 'energy dome' storage project ...](#)

Aug 19, 2024 · A first of its kind energy storage system coming to Wisconsin took another step forward this month, almost a year after the project was ...

### [The Best of the BESS: The Role of Battery Energy Storage ...](#)

Oct 24, 2025 · In an era of rapid technological advancement and increasing reliance on renewable energy, battery energy storage systems (BESS) are emerging as pivotal players in ...



[Alliant Energy: Revolutionary energy storage project surges ...](#)

Aug 14, 2024 · Development of the Columbia Energy Storage Project is led by Alliant Energy in partnership with WEC Energy Group, Madison Gas and Electric, Shell Global Solutions US, ...

### **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 ...



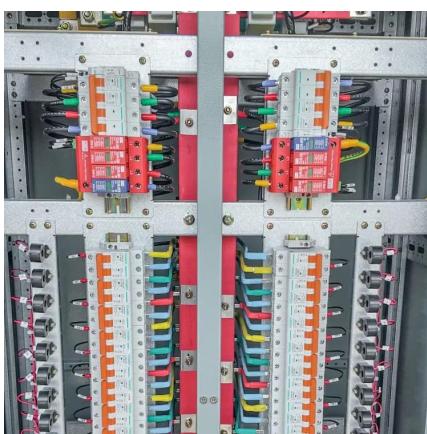
[First of its kind 'energy dome' storage project takes another ...](#)

Aug 19, 2024 · A first of its kind energy storage system coming to Wisconsin took another step forward this month, almost a year after the project was announced.



[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 ...



[Finding a Longer-Duration Alternative to Battery Storage](#)

Dec 1, 2025 · Lithium-ion limitations spur the search for Long-Duration Energy Storage (LDES). CAES and its variants offer safer, scalable solutions for grid reliability.



## [Columbia Energy Storage Project To Pioneer CO2-Based ...](#)

Sep 14, 2024 · 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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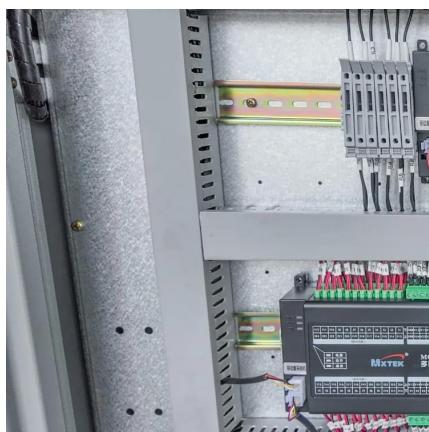


## [The first industrial-scale energy storage facility in the U.S.](#)

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 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 ...



## **Alliant Energy**

The Columbia Energy Storage Project is the first long-duration energy storage project of its kind to be developed in the United States. The system's unique features will boost grid stability and ...



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