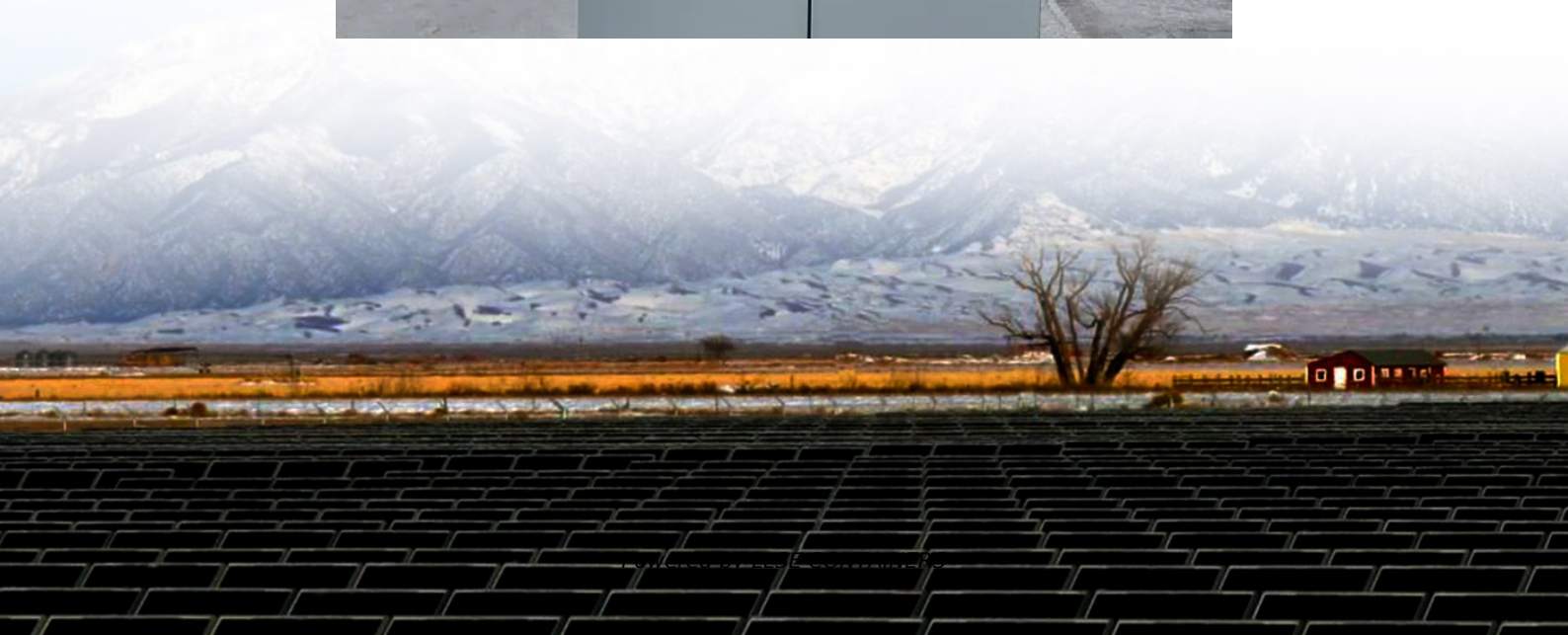


Columbia Energy Storage Power





Overview

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 ...



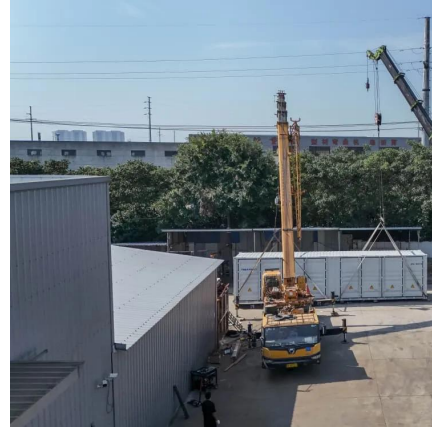
[Alliant Energy: Revolutionary energy storage project surges ...](#)

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 ...



[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 ...



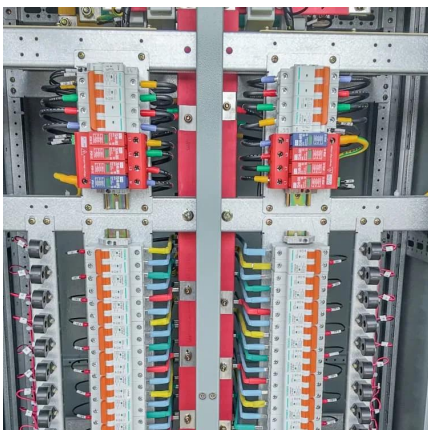
[First of its kind 'energy dome' storage project takes another ...](#)

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.



[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 ...

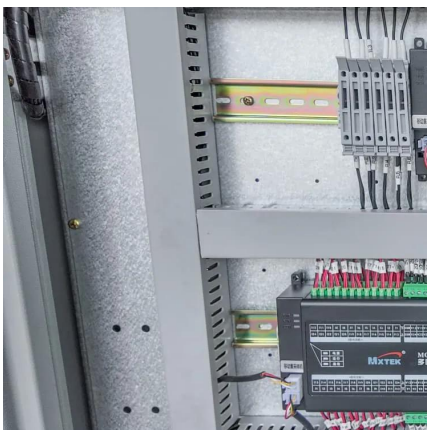


[Wisconsin Regulators Approve First of its Kind Long-Duration Storage](#)

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 ...

[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 ...



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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