

# Alliant energy storage





## Overview

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Where will Alliant Energy's energy storage system be built?

Pending approval, crews will build the energy storage system south of Portage, Wisconsin, in the town of Pacific, near the current Columbia Energy Center. For more information on Alliant Energy's energy storage projects, visit [alliantenergy.com/battery](https://alliantenergy.com/battery).

Does Alliant Energy have a carbon dioxide storage system?

Alliant Energy on Friday announced it received a \$30 million federal grant for a 200-megawatt-hour storage system in Columbia County. According to the U.S. Department of Energy, the project would be the first to demonstrate the carbon dioxide-based energy storage system at a commercial scale. Sign up for WPR's email newsletter.

What does Alliant Energy do?

As the electric grid continues to evolve, Alliant Energy is leading the way with new and innovative solutions. We are working to integrate emerging technologies and optimize energy resources such as wind and solar power, battery storage and traditional generation systems.

Will Alliant Energy add storage capacity in Columbia County?

In a statement, Alliant Energy CEO John Larsen said the added storage capacity from the system in Columbia County will help strengthen the company's generation portfolio and improve grid reliability.

Will Alliant Energy add 175 MW of battery storage in Wisconsin?

MADISON, Wis., Sept. 30, 2022 (GLOBE NEWSWIRE) -- With major advances in the transition to creating safe, clean renewable energy generation, Alliant Energy announces plans to add 175 megawatts (MW) of battery storage in Wisconsin.



## Who are Alliant Energy's Partners?

Alliant Energy and our project partners, including WEC Energy Group, Madison Gas and Electric, UW-Madison, Madison College, Shell Global Solutions US and the Electric Power Research Institute, are teaming up to construct a CO<sub>2</sub>-based energy storage system – the first of its kind in the United States.



## Alliant energy storage

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### Columbia Energy Storage Project Receives DOE Funding

Alliant Energy has been selected for a grant of up to approximately US\$30 million from the US Department of Energy's Office of Clean Energy Demonstrations for a proposed 200-megawatt hour energy storage system. ...

### Alliant Energy

Long duration energy storage (LDES) is becoming a common type of storage technology energy companies use to store and deliver 10 or more hours of electricity. The length of time these systems store energy comes into ...

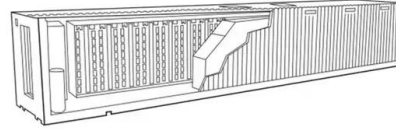


### Alliant Energy

When excess renewable energy is produced by the sun or wind, and when energy demand is low, storage systems such as utility-scale battery units can charge from solar, wind or other generation resources and then release energy when needed.

### Alliant Energy supercharges battery deployment

Accelerated development of energy storage capacity to deliver increased value, efficiency and reliability to Alliant Energy's customers in Wisconsin  
MADISON, Wis., Sept. 30, 2022 (GLOBE NEWSWIRE)



### Alliant Energy

DECORAH, Iowa - July 21, 2021 - Alliant Energy's new battery storage project in Decorah, Iowa, makes room on the grid for rooftop solar and maintains reliable electrical service across the community. You can select the language displayed on our website. [Click](#)

### Alliant Energy and Energy Dome sign deal to advance nation's ...

Energy Dome and Alliant Energy have signed a supply contract to provide Energy Dome's patented compressed carbon dioxide battery system to Alliant's 20-MW/200-MWh Columbia Energy Storage



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## Alliant Energy

Long duration energy storage (LDES) is becoming a common type of storage technology energy companies use to store and deliver 10 or more hours of electricity. The length of time these systems store energy comes into play when we talk about managing energy costs.

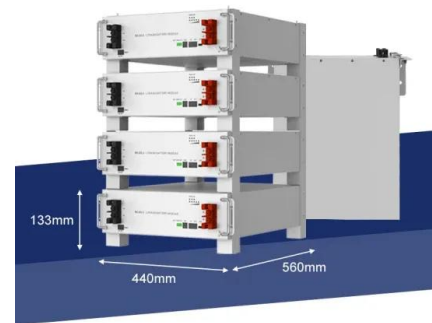


## Wisconsin will house an energy storage facility that's ...

A first of its kind energy storage system will be coming to Wisconsin in the next few years, and could serve as a blueprint for wide-scale deployment across the country. Alliant Energy on Friday announced it received ...

## Alliant Energy

CEDAR RAPIDS, Iowa (August 2, 2022) - A new 5-megawatt (MW) energy storage system in Cedar Rapids, Iowa, has doubled Alliant Energy's battery storage capacity in the state. The recently completed, state-of-the-art battery system is another significant step in Alliant Energy's development of storage capacity to complement its growing renewable energy portfolio and ...



## Energy Dome Signs First U.S. Contract with Alliant Energy for

MADISON, Wis.-- (BUSINESS WIRE)-- Energy Dome, a leader in long-duration energy storage solutions, announces a landmark advancement in its commercial-scale ...



### Alliant Energy's Columbia Energy Storage Project

site redevelopment effort, will increase energy reliability and resilience while delivering incredible value to customers. Pending approval, we expect the energy storage system to be operational by the end of 2027. Alliant Energy's Columbia Energy Storage Project



### Alliant Energy gets 700MWh BESS for Wisconsin PV approved

Image: Alliant Energy. US utility Alliant Energy's plans to build two large-scale battery storage projects to pair with solar PV plants in Wisconsin have been approved by regulators. The company said yesterday (9 August) that the Public Service Commission

### New technology offers mind-blowing breakthrough for storing energy

It will be the first zero-pollution Energy Dome facility in North America, as long as the application gets final approval from regulators. Once it gets the all-clear, construction should begin in 2026, with plans to be online by 2027. "Once that CO 2 supply is fully filled in the dome, we'll be able to cycle that back and forth," Tony Palese, an Alliant spokesman, shared ...



### Alliant Energy supercharges battery deployment

The added flexibility created by battery energy storage solutions will diversify and complement Alliant Energy's generation portfolio while increasing customer access to ...



### Alliant Energy utility wants to demonstrate nation's first CO2 ...

To achieve the promised 73%-75% efficiency requires a minimum 20 MW storage system that Alliant Energy estimates would cost between \$60 million and \$90 million.



### 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 deliver enough electricity to power ...

### Alliant Energy seeks OK for Columbia Energy Storage Project

Alliant announced in September it had been awarded a grant of up to \$30 million from the Office of Clean Energy to build a 200-megawatt-hour energy storage system that would be the first of its



### [Q3 2024 Alliant Energy Corp Earnings Call](#)

5 ???· We issued a news release last night announcing Alliant Energy's third quarter and year-to-date financial results, narrowed our 2024, earnings guidance range provided 2025, earnings and dividend



### Alliant Energy utility wants to demonstrate nation's first CO2 ...

The Columbia Energy Storage Project, led by Alliant Energy in partnership with WEC Energy Group, Shell, EPRI, the University of Wisconsin-Madison and other partners, will take up to 20 MW to

### Home Energy Storage (Stackble system)



High Efficiency    Easy installation    Safe and Reliable    Perfect Compatibility

**Product Introduction**

- Scalable from 10 kWh to 50 kWh
- Self-Consumption Optimizer
- Integrated with inverter to avoid the compatibility problem
- LFP battery, safest and long cycle life
- Stackable design for easy installation
- Capable of High-Powered Emergency-Backup and Off-Grid Function



### ENERGY STORAGE SYSTEM - Alliant Energy Solution (BD) Ltd.

Energy storage creates multiple opportunities for more efficient power production, better grid management, and increased stability and availability. Standards -- Battery storage is designed and manufactured in facilities certified to standards ISO 2008:9001 and

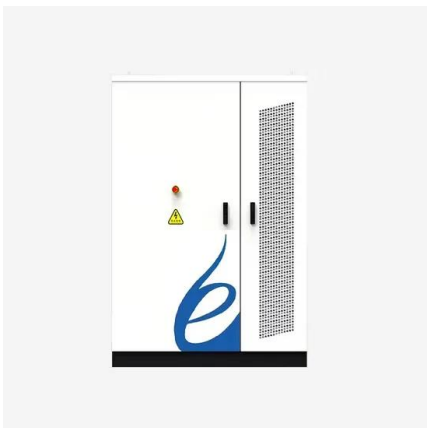
### Alliant Energy seeks OK for Columbia Energy Storage Project

Alliant announced in September it had been awarded a grant of up to \$30 million from the Office of Clean Energy to build a 200-megawatt-hour energy storage system that would be the first of its kind in the U.S. The energy storage project would use a new



### [Alliant Energy Corporation](#)

The 200-MW project caps Alliant Energy's historic solar buildout to benefit customers and communities Alliant Energy announced it successfully completed constructing its Grant County Solar Project . The 200-megawatt (MW) solar array in Potosi, Wisconsin, can generate enough electricity to power more than 50,000 homes annually. The project's ...





## Welcome to Alliant Energy!

My Account is your key to helpful tools and programs. Manage your account anywhere, anytime. Access My Account online or on our Mobile App. With My Account, you can: Pay your bill with a credit/debit card or savings/checking account. View your energy



## Alliant Energy: Revolutionary energy storage project surges forward

MADISON, Wis. (August 14, 2024) - Alliant Energy announced it filed a landmark project application with the Public Service Commission of Wisconsin (PSC). The application seeks approval for the Columbia Energy Storage Project, a first-of-its-kind energy storage system that will usher in a new wave of long-duration energy storage solutions in the country.

## Utility Alliant Energy seeks Wisconsin regulator's approval for long

US utility company Alliant Energy has moved forward with a long-duration energy storage (LDES) project based on Energy Dome's carbon dioxide-based (CO<sub>2</sub>-based) technology. Alliant Energy said last week (14 August) that it has filed a project application with the regulatory Public Service Commission (PSC) of Wisconsin for its Columbia Energy Storage ...



## Revolutionary energy storage project surges forward

Energy Dome is revolutionizing energy storage and enabling grid decarbonization by making solar and wind power dispatchable 24/7. The company invented and developed the CO<sub>2</sub> Battery(TM), ...



### Energy Dome Signs First U.S. Contract with Alliant Energy for

A Signed Supply Contract Cements the Role of Energy Dome's Technology in the U.S. Energy Storage Market Madison, Wisconsin - 23 October 2024 - Energy Dome, a ...



### Alliant Energy

Alliant Energy selected FlexGen, a leading energy storage solution and software technology provider, to provide the energy management system and battery energy storage equipment. "Alliant Energy is one of the country's most forward-looking and innovative utilities when it comes to energy storage and system reliability.

### Alliant Energy: Revolutionary energy storage project surges forward

Energy Dome is revolutionizing energy storage and enabling grid decarbonization by making solar and wind power dispatchable 24/7. The company invented ...





### Alliant Energy

First of its kind energy project in US expected to be constructed in Columbia County. Alliant Energy selected to receive federal grant for a cutting-edge energy storage system MADISON, Wis. (September 22, 2023) - Columbia County may soon be home to one of the most sustainable, advanced energy storage systems in the country, according to Alliant Energy.

### Alliant Energy Announces Third Quarter 2024 Results

Third quarter GAAP earnings per share was \$1.15 in 2024, compared to \$1.02 in 2023 2024 earnings guidance narrowed to a range of \$2.99 - \$3.06 per share Provided 2025 earnings guidance range of \$3.15 - \$3.25 per share and 2025 annual common stock dividend target of \$2.03 Forecasted 2025 - 2028 capital expenditures of \$11 billion in aggregate Alliant Energy ...



### Alliant Energy gets 175MW/700MWh BESS projects at Wisconsin ...

US utility Alliant Energy's plans to build two large-scale battery storage projects to pair with solar PV plants in Wisconsin have been approved by regulators. The company said yesterday (9 August) that the Public Service Commission Wisconsin (PSCW) has given

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