



WALMER ENERGY

Columbia Power Station 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.

How much electricity does the Columbia Generating Station produce?

The Columbia Generating Station produces 1,190 gross megawatts of electricity. This accounts for 10% of all energy demands in Washington and is enough to power the entire city of Seattle.

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).



Columbia Power Station Energy Storage

Columbia Energy Storage Project Receives ...

Sep 27, 2023 · Pending approval, project construction could begin in 2025 with completion in 2026. Development of the Columbia Energy Storage ...

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 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 ...

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 ...

Wisconsin Regulators Approve First of its Kind Long-Duration Storage

Jul 25, 2025 · Plans to construct a first of its kind long-duration energy storage system of its kind in the United States are advancing following approval from the Public Service Commission of ...

Columbia Energy Storage Project Receives DOE Funding

Sep 27, 2023 · 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 ...

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 OKs Nation's First CO2 Battery Storage Project

Jul 21, 2025 · The Public Service Commission of Wisconsin has approved Alliant Energy's plan to build Columbia Energy Storage Project with Energy Dome.

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 ...

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 OKs Nation's First CO2 Battery ...

Jul 21, 2025 · The Public Service Commission of Wisconsin has approved Alliant Energy's plan to build Columbia Energy Storage Project with ...

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 ...

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 ...

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