



# New Energy Storage Demonstration Project

What is the energy storage demonstration and pilot grant program?

The Energy Storage Demonstration and Pilot Grant Program is designed to enter into agreements to carry out 3 energy storage system demonstration projects. Technology Developers, Industry, State and Local Governments, Tribal Organizations, Community Based Organizations, National Laboratories, Universities, and Utilities.

Could solid-state storage help accelerate the transition to a net-zero emissions economy?

The project also aims to identify the most beneficial uses of solid-state storage of clean renewable hydrogen. At scale, this technology could help accelerate the transition to a net-zero emissions economy by increasing the availability of resilient, on-site renewable power generation and storage.

Where is Alliant Energy demonstrating a CO<sub>2</sub> long-duration energy storage system?

Locations: Pacific, WI Project Summary: Through the Columbia Energy Storage project, Alliant Energy plans to demonstrate a compressed carbon dioxide (CO<sub>2</sub>) long-duration energy storage (LDES) system at the soon-to-be retired coal-fired Columbia Energy Center power station in Pacific, Wisconsin.

Can repurposed lithium-ion EV batteries be used in LDES systems?

Smartville, Inc. plans to help solve this issue by demonstrating the viability of repurposed lithium-ion electric EV batteries in LDES systems across a range of use cases, environments, and sizes--from smaller scale (50kW x 10 hour) to larger scale (200kW x 10 hour).

On December 9, the first batch of new energy storage demonstration projects during the "14th Five Year Plan" in Zhejiang Province - Tongxiang City Rongxiang Dyeing and ...

On May 26, 2022, the world's first non-supplemental combustion compressed air energy storage power plant (Figure 1), Jintan Salt-cavern Compressed Air Energy Storage National ...

The plan specified development goals for new energy storage in China, by 2025, new . Home Events Our Work News & Research. ... Energy Storage Demonstration Projects are Publicized Nov 24, 2020 Nov 24, 2020 ...

Zhangjiakou 100MW Advanced Compressed Air Energy Storage Demonstration Project is the first one in the world, with a construction scale of 100MW/400MWh and a system design efficiency of 70.4%. ... Feb 27, 2023 ...

Federal Cost Share: Up to \$30.7 million Recipient: Wisconsin Power and Light, doing business as Alliant Energy Locations: Pacific, WI Project Summary: Through the Columbia Energy Storage project, Alliant



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Energy plans to ...

On November 10, 2020, the National Energy Administration published a list of its first batch of science and technology innovation (energy storage) pilot demonstration projects. The list of ...

This long-duration energy storage (LDES) project aims to be a key demonstration of critical power backup of an acute care hospital in the U.S. and provide resiliency in a region that is increasingly at-risk for significant power outages ...

Governor Hochul announced that New York State will receive U.S. Department of Energy (DOE) funding for a long-duration energy storage demonstration project that will use fire-safe battery technology. ... "When it ...



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