

# What is the New Energy Storage Demonstration Zone



## Overview

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Department of Energy (DOE) today announced up to \$325 million for 15 projects across 17 states and one tribal nation to accelerate the development of long-duration energy storage (LDES) technologies. China has officially announced the procurement of sodium-ion batteries, setting a price ceiling at \$150/kWh. This exciting development comes alongside the construction of a groundbreaking energy storage project in the suburban district of Fengxian, south of Shanghai. The five new towns — Jiading, Qingpu, Songjiang, Fengxian, and Nanhui — encircle Shanghai's urban center from the northwest to the southeast. The document, titled "Several. Visit USA. government is responding to Winter Storm Fern. Heat is stor ative electrode material stored in tanks.

## What is the New Energy Storage Demonstration Zone

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### DOE Announces \$325 Million for Long-Duration Energy Storage ...

Funded by President Biden's Bipartisan Infrastructure Law, these demonstration projects will increase community control of local power systems, mitigate risks associated with disruptions to ...

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### Energy Storage Demonstration and Validation , [netl.doe.gov](https://netl.doe.gov)

These demonstrations will contribute data to the National Lab led Rapid Operational Validation Initiative (ROVI) in order to unlock insights about the performance of these systems that ...



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### ENERGY STORAGE PILOT DEMONSTRATIONS

This program will fund technology demonstrations for energy storage solutions at the pilot-scale. The program will focus on non-lithium technologies, long-duration (10+ hour discharge) systems, and ...

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### Long-Duration Energy Storage



DOE defines LDES as storage systems capable of delivering electricity for 10 or more hours in duration. The Long-Duration Energy Storage portfolio helps to advance LDES systems toward widespread ...

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## Energy Storage Demonstration and Pilot Grant Program

Visit [USA.gov](https://www.usa.gov) to learn how the U.S. government is responding to Winter Storm Fern. The Energy Storage Demonstration and Pilot Grant Program is designed to enter into agreements to carry out 3 ...

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## Shanghai releases policies to accelerate development of five new towns

New towns will accelerate the implementation of typical user-side energy storage scenarios in industrial parks and data centers, supporting the construction of a series of energy ...

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## China Announces Sodium-Ion Battery Procurement at \$150/kWh

China has officially announced the procurement of sodium-ion batteries,



setting a price ceiling at \$150/kWh. This exciting development comes alongside the construction of a ...

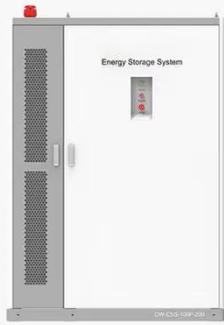
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### Recommendations for Implementing Energy Storage ...

In the Energy Act, Congress directed DOE to establish a focused energy storage research, development, and demonstration (RD& D) program, including the large-scale demonstration of ...

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-  BATTERY CAPACITY  
50kWh-500kWh
-  DC VOLTAGE RANGE  
400V-1000V
-  DEGREE OF PROTECTION  
IP54
-  OPERATING TEMPERATURE RANGE  
-10-50°C



### THE OFFICE OF CLEAN ENERGY DEMONSTRATIONS

Aims to provide energy storage through 10-megawatt, 100-hour-long LDES systems at retiring coal plants in Minnesota and Colorado, accelerating the commercialization of multi-day storage

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### Tesla battery gigafactory in Shanghai launches production

Covering about 200,000 square meters, the new energy storage project attracts

a total investment of 1.45 billion yuan (\$200 million). Up to 10,000 Megapack units are scheduled to be ...

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