

**JH Solar**

# **Demonstration energy storage announcement**



## Overview

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The Biden-Harris Administration, through the U.S. Department of Energy (DOE), today announced nearly \$350 million for emerging Long-Duration Energy Storage (LDES) demonstration projects capable of delivering electricity for 10 to 24 hours or longer to support a low-cost, reliable, carbon-free electric grid. What did OE announce at the energy storage Grand Challenge summit?

OE made these announcements at its 4th Annual Energy Storage Grand Challenge Summit bringing together stakeholders who will shape the future of the electricity infrastructure through next-generation energy storage solutions.

What does OE's new RD&D report mean for energy storage?

New Report Showcases Innovation to Advance Long Duration Energy Storage (LDES): OE today released its new report "Achieving the Promise of Low Cost LDES." This report is one example of OE's pioneering RD&D work to advance the next generation of energy storage technologies.

What is the long-duration energy storage portfolio?

The Long-Duration Energy Storage portfolio helps to advance LDES systems toward widespread commercial deployment. The goal of this portfolio is to fund projects that will overcome the technical and institutional barriers that exist for deployment, with a focus on different technology types for a diverse set of regions.

How can pre-production storage system design improve manufacturing scale-up?

Identifying and implementing design innovations will align pre-production storage system design to set the stage for manufacturing scale up and improved production of cost-effective, safe, and reliable short-, medium-, and long-duration storage technologies. New Report Showcases Innovation to Advance Long Duration Energy Storage (LDES):.

What is the DOE/DoD long-duration energy storage joint program (LDEs)?

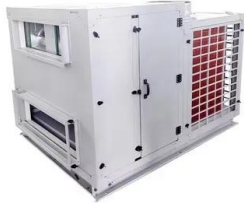
DOE/DOD Long-Duration Energy Storage Joint Program: These projects will demonstrate LDES technologies on government facilities through collaboration between DOE and Department of Defense (DOD).

Why do we need energy storage technologies?

From providing critical backup power during natural disasters to supporting more renewable energy coming online, energy storage technologies make the grid more flexible and resilient. Today's energy storage technologies are not sufficiently scaled or affordable enough to meet energy demand that fluctuates throughout the day and night.

## Demonstration energy storage announcement

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### Bipartisan Infrastructure Law ENERGY STORAGE PILOT ...

This NOFO will fund demonstrations of a variety of energy storage solutions at pilot-scale to advance technology maturity, reduce uncertainty in cost and performance characteristics, ...

### US DOE offers US\$100 million for non-lithium ...

A Notice of Intent was issued by the DOE's Office of Clean Energy Demonstrations (OCED) earlier this week (2 July), seeking energy storage demonstration projects with 10-hours or more maximum discharge ...



### Long Duration Energy Storage Demonstration Initiative and Joint ...

Lab Call Announcement (\$30m) for Long Duration Energy Storage Demonstrations Letters of Intent are due by Nov 2, 2022 at 5 p.m., ET. Additional funding anticipated application opening ...

## Opportunity Information

The anticipated Funding Opportunity Announcement will address FY2023 Congressional Direction, which directs OE to pursue a competitive pilot demonstration grant

program, as ...



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

The Department of Energy's (DOE's) National Energy Technology Laboratory (NETL), on behalf of the Office of Electricity (OE), is releasing a funding opportunity ...

## Nearly \$15 Million Awarded to Four Demonstration Projects To ...

Governor Kathy Hochul today announced nearly \$15 million in awards to four demonstration projects that advance long duration energy storage solutions that will help ...



## [FedConnect: Opportunity Summary](#)

The Department of Energy's (DOE's) National Energy Technology Laboratory (NETL), on behalf of the Office of Electricity (OE), is releasing a funding opportunity ...

## NY Governor Hochul Announces Long-Duration Energy Storage Demonstration

The technology can be used in urban and rural settings to demonstrate a stable energy supply during periods of high demand and in extreme weather conditions. Today's ...



## Department of Energy to Fund Non-Lithium Long ...

The U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) is looking to advance the development of non-lithium long-duration energy storage (LDES) by funding pilot ...

## OCED Announces \$100 Million for Non-Lithium Long-Duration ...

As part of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) today opened ...



## Energy Storage Demonstration and Validation , Research Funding

The objective of this FOA is to fund demonstrations of 3 different energy storage technologies that operate at a meaningful scale in the field and consist of strong partners that ...

## China's energy storage capacity expands to support low-carbon ...

At the beginning of this year, the NEA released a list of 56 new-type energy storage pilot demonstration projects, including 17 lithium-ion battery projects and 11 ...



## [FedConnect: Opportunity Summary](#)

The anticipated Funding Opportunity Announcement will address FY2023 Congressional Direction, which directs OE to pursue a competitive pilot demonstration grant ...

## Long-Duration Energy Storage Demonstrations Selections for ...

Long-Duration Energy Storage Demonstrations Selections for Lab Call OCED is funding six projects in two topic areas for development by DOE National Laboratories to demonstrate ...



## Energy Storage Demonstration and Validation

Funding for innovative long duration energy storage system (ESS) demonstration projects that advance a technology towards commercialization and validate its cost and performance in the ...

## Project Selections for Funding Opportunity Announcement 2400: ...

Project Selections for Funding Opportunity Announcement 2400: Clean Hydrogen Production, Storage, Transport and Utilization to Enable a Net-Zero Carbon Economy (Round 4)

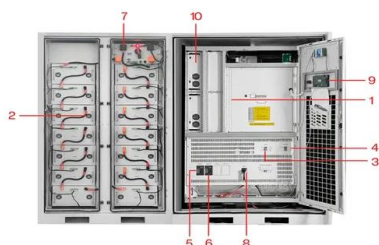


### Long-Duration Energy Storage

Long-Duration Energy Storage Pilot Program: These projects will advance a diverse set of LDES technologies towards commercial viability and utility-scale demonstrations.

### Award Wednesdays , July 24, 2024

Long-Duration Energy Storage (LDES) Demonstrations Program Stored Rechargeable Energy Demonstration (STORED) OCED has awarded the LDES STORED project, led by Urban Electric Power (UEP) ...



- |                             |                             |
|-----------------------------|-----------------------------|
| 1 PCS Module                | 6 OPV2 side circuit breaker |
| 2 Battery room              | 7 High Volt Box             |
| 3 Grid side circuit breaker | 8 BAT side circuit breaker  |
| 4 Load side circuit breaker | 9 LCD display screen        |
| 5 OPV1 side circuit breaker | 10 MPPT                     |

### OCED eXCHANGE: FAQs

Select an Announcement to view questions and answers for the specific funding opportunity. Alternatively select "Non-Announcement related items" to view system FAQ items.

## Energy Department Pioneers New Energy Storage Initiatives

This FOA is in coordination with DOE's Office of Clean Energy Demonstrations (OCED)'s Notice of Intent to fund \$100 million for Long-Duration Energy Storage Pilot projects, ...



## Energy Department Selects Projects to Receive \$15M for Storage

The three innovative demonstration projects selected through this funding opportunity announcement will advance energy storage technologies leading to ...

## OCED Announces \$100 Million for Non-Lithium Long-Duration Energy

, the U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) today opened applications for up to \$100 million in funding to support pilot-scale ...



## DOE Selects \$15M in Projects Advancing Energy Storage and

...

WASHINGTON, D.C. - The U.S. Department of Energy's (DOE) Office of Electricity (OE) today announced three storage technologies projects that will receive up to \$5 ...

## DOE LDES DE-FOA-0002867 Long-Duration ...

Questions about this FOA? Email LDESFOA@hq.doe Problems with OCED eXCHANGE? Email OCED-ExchangeSupport@hq.doe Include FOA name and number in subject line. 1 Executive Summary The U. Department of ...



## Energy Storage Demonstration and Validation , 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 ...

## Governor Hochul Announces Long-Duration ...

Governor Kathy Hochul today 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 ...



### APPLICATION SCENARIOS



## Award Wednesdays , September 4, 2024

Long-Duration Energy Storage (LDES) Demonstration Program Children's Hospital Resilient Grid with Energy Storage OCED awarded the Children's Hospital Resilient Grid with Energy Storage ...

## Carbon Capture Demonstration Projects Program

Program Overview The Carbon Capture Demonstrations Projects Program invests in integrated carbon capture, transport, and storage technologies and infrastructure that can be readily replicated and deployed at power plants ...



### [Award Wednesdays , June 26, 2024](#)

Long-Duration Energy Storage (LDES) Demonstrations Program Second Life Smart Systems (SMART) OCED awarded the LDES SMART project, led by Smartville, Inc., ...

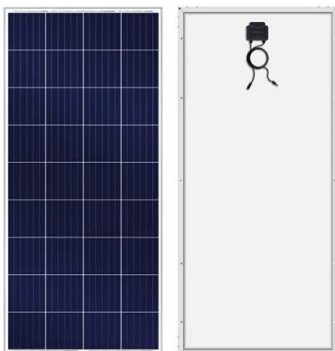
## OCED News

The U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) today opened applications for up to \$1.8 billion in funding for the design, construction, and operation of mid- and ...

To Strive forward No Energy Waste



- ✓ All in one
- ✓ 100-215kWh High-capacity
- ✓ Intelligent Integration



## DOE Releases \$350 Million for Energy Storage ...

In October, DOE issued a \$30 million Lab Call Announcement for Long-Duration Energy Storage Demonstrations. Remaining funding for LDES programs will be covered at a later date.

## OCED eXCHANGE: Funding Opportunities

Notice of NOFO Review The Office of Clean Energy Demonstrations is reviewing all its current Notices of Funding Opportunity Announcements (NOFO). More guidance for applicants will be ...



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