



Energy storage project announcement

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

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). View announcements, including upcoming funding opportunities, for all LDES programs [here](#).

Is 2023 a good year for energy storage?

It's been a positive year for energy storage in 2023, with new markets opening up and supply chain bottlenecks and price spikes for battery energy storage systems (BESS) easing, though challenges remain. A roundup of the biggest projects, financing and offtake deals in the sector that Energy Storage News has reported on this year.

What does Kathy Hochul's energy storage project mean for New York?

Governor Kathy Hochul's \$16.6 million in awards for five long duration energy storage projects will help harness renewable energy and provide stored energy to New York's electric grid.

What does \$17 million in competitive funding mean for energy storage?

The additional \$17 million in competitive funding will encourage further product development and demonstration projects in long duration energy storage that are 10 to over 100 hours in duration at rated power.

What is long-duration energy storage (LDEs)?

The Long-Duration Energy Storage (LDES) portfolio will validate new energy storage technologies and enhance the capabilities of customers and communities to integrate grid storage more effectively. DOE defines LDES as storage systems capable of delivering electricity for 10 or more hours in duration. [Learn more](#).

What is a CO2 energy storage project?

The project plans to store excess energy from the grid that can be deployed when needed, taking excess energy from the grid and converting the CO2 gas into a compressed liquid form, which reduces the typical complexity and costs associated with storage.

WASHINGTON, D.C. -- As part of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy (DOE) today announced over \$3 billion for 25 selected projects across 14 states to boost the domestic production of advanced batteries and battery materials nationwide. The portfolio of selected projects, once fully contracted, are ...

Today's announcement will help DOE realize its Long Duration Storage Shot goal of reducing the cost of LDES by 90 percent by 2030 and supports the Biden-Harris Administration's efforts to advance critical clean energy technologies, expand the adoption of renewable energy resources, and strengthen America's energy security.



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Projects must enable a long-duration capable (10+ hours) energy storage technology with a pathway to \$0.05/kWh Levelized Cost of Storage (LCOS) by 2030, the goal of the Long Duration Storage Shot. Long-duration grid scale energy storage helps build the electric grid that will power our clean-energy economy--and accomplish President Biden's ...

The expansion of Moss Landing Energy Storage Facility in California, already the world's biggest BESS project, to more than 3GWh was one of the highlights of the first half of this year for the US energy storage industry. Image: Vistra Energy. A roundup of the biggest projects, financing and offtake deals in the energy storage sector that we ...

Today's announcement supports the Climate Leadership and Community Protection Act goals to generate 70 percent of the state's electricity from renewable sources by 2030 and 100 percent zero emission electricity by 2040. ... Payment of prevailing wage as a programmatic requirement for energy storage projects with a capacity of one megawatt and ...

With these projects storing the surplus clean, homegrown energy produced from renewable sources, we can boost our energy security by relying less on fossil fuels, protect household bills, and help ...

Today, the U.S. Department of Energy's (DOE) Loan Programs Office (LPO) announced a conditional commitment for an up to \$72.8 million partial loan guarantee to finance the development of a solar-plus long-duration energy storage microgrid on the Tribal lands of the Viejas Band of the Kumeyaay Indians near Alpine, California. This project is the first to be ...

On Nov. 14, 2022, U.S. Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) issued a Funding Opportunity Announcement (FOA) for up to \$350 million for emerging Long-Duration Energy Storage (LDES) demonstration projects capable of delivering electricity for 10-24 hours or longer.

Eos' energy storage pipeline grows by \$1.3B amid shift to larger, longer-duration projects More than half of Eos Energy's \$12.9 billion project pipeline comes from proposals delivered in 2023 ...

It comes a few days after the EU's European Parliament approved the bloc's Net Zero Industry Act (NZIA), which seeks to ensure Europe can meet 40% of its clean energy deployment needs with domestically-manufactured products, as reported by our sister site PV Tech.. The new funding opportunity is split into five categories. The bulk, accounting for EUR2.4 ...

ESS Inc manufacturing its energy storage system at its Oregon plant. Image: ESS Inc. Iron-saltwater flow battery company ESS Inc looks set to deploy by far its largest project to-date, a 50MW/500MWh system at a renewables hub from German energy firm LEAG, with potential for more.

The Department of Energy is making nearly \$350 million available for emerging long-duration energy storage



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(LDES) demonstration projects capable of delivering electricity for 10 to 24 hours or longer.

Federal Cost Share: Up to \$270 million Recipients: Calpine Texas CCUS Holdings, an indirect subsidiary of Calpine Location: Baytown, Texas Project Summary: Calpine plans to build the Baytown Carbon Capture and Storage Project (Baytown CCS Project), a carbon capture demonstration facility that aims to capture carbon dioxide from the Baytown Energy Center ...

Portland General Electric, the utility serving Portland, Oregon, announced Friday it is putting in the second-largest battery storage installation in the United States, at 400 MW of power. The significance of such projects is ...

As of mid-2022, Germany's biggest BESS project was Lausitz Battery Energy Storage System (60MW/52MWh), at a coal plant operated by generator LEAG. Energy-Storage.news" publisher Solar Media will host the 9th annual Energy Storage Summit EU in London, 20-21 February 2024. This year it is moving to a larger venue, bringing together ...

Office: Carbon Management FOA number: DE-FOA-0002711 Download the full funding opportunity: FedConnect Funding Amount: \$2.25 billion Background Information. On October 21, 2024, announced more than \$518 million to support 23 selected projects across 19 states that will fight climate change by developing the infrastructure needed for national ...

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 ...

However, the bigger megawatt-hour figure and 4-hour duration of Synergy's BESS at Collie is also significant in a market that has, to date, seen battery storage going from 1-hour to 2-hour duration for most large-scale projects. Energy-Storage.news" publisher Solar Media will host the 1st Energy Storage Summit Australia, on 21-22 May 2024 ...

Regional Quote: Mayor of Greater Manchester Andy Burnham said: "My vision is for Greater Manchester to be a leader in the green transition - and Highview Power's decision to build one of the world's largest long duration energy storage facilities at Carrington is a huge boost for the region. This new plant will deliver renewable energy to homes and business across our ...

The U.S. Department of Energy's (DOE) Office of Electricity (OE) today announced the selectees of \$15 million in awards to show that new Long Duration Energy Storage (LDES) technologies will work reliably and cost effectively in the field. LDES will transform the electric grid to meet the nation's growing need for clean, reliable, efficient, cost-effective energy.

On September 22, 2023, OCED announced projects selected for award negotiations following a rigorous Merit Review process to identify meritorious applications to the Long-Duration Energy Storage Demonstrations



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Program based on the criteria listed in the Funding Opportunity Announcement. OCED began awarding LDES projects in June 2024.

Tesla CEO Elon Musk announced his Master Plan part 3 during a Tesla Investor day event in Austin, Texas. The new plan calls for a \$10 trillion investment to power the world with batteries, among ...

In concurrent news, Giga Storage hopes to start construction on its 300MW/1,200MWh Leopard BESS project in the Netherlands this year, CCO Lars Rupert told Energy-Storage.news whilst at the ees Europe trade show and conference last week.. Leopard is also planned for a location in the north of the country, at a former aluminium smelting site of ...

Today, the U.S. Department of Energy's (DOE) Loan Programs Office (LPO) announced a conditional commitment to Eos Energy Enterprises, Inc. (Eos) for an up to \$398.6 million loan guarantee for the construction of up to four state-of-the-art production lines to produce the "Eos Z3(TM)," a next-generation utility- and industrial-scale zinc-bromine battery energy ...

The Department of Energy's (DOE) Office of Clean Energy Demonstrations (OCED) is issuing this Funding Opportunity Announcement (FOA) in collaboration with the Office of Fossil Energy and Carbon Management (FECM) for integrated carbon capture and storage (CCS) projects that demonstrate substantial improvements in the efficiency, effectiveness ...

WASHINGTON, D.C. -- As part of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy (DOE), through its Loan Programs Office (LPO), today announced the closing of a \$72.8 million loan guarantee to finance the development of a solar-plus-long-duration-energy-storage microgrid. The microgrid will be located on the Tribal ...

A roundup of the biggest projects, financing and offtake deals in the energy storage sector that we have reported on this year. It's been a positive year for energy storage ...

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