

ENERGY STORAGE ANNOUNCEMENT



What is the DOE's energy storage goal? WASHINGTON, D.C. a?? U.S. Secretary of Energy Jennifer M. Granholm today announced the U.S. Department of Energy (DOE)a??s new goal to reduce the cost of grid-scale, long duration energy storage by 90% within the decade.



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.



How much energy storage does New York have in 2024? As of April 1, 2024, New York has awarded about \$200 million to support approximately 396 megawatts of operating energy storage in the state. There are more than 581 megawatts of additional energy storage under contract with the State and moving towards commercial operation.



What is long duration energy storage? Long duration energy storage a?? defined as systems that can store energy for more than 10 hours at a time a?? would support a low-cost, reliable, carbon-free electric grid.



What are the new energy innovation hubs? The U.S. Department of Energy announced the creation of two new Energy Innovation Hubs led by DOE national laboratories across the country. One of the national hubs, the Energy Storage Research Alliance (ESRA), is led by Argonne National Laboratory and co-led by Berkeley Lab and Pacific Northwest National Laboratory.

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What is New York's energy storage roadmap? The roadmap is a comprehensive set of recommendations to expand New York's energy storage programsto cost-effectively unlock the rapid growth of renewable energy across the state and bolster grid reliability and customer resilience.



WASHINGTON, D.C. a?? 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.Funded in part by President a?|



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 a?|



5. It is within MEA's sole discretion to determine if an energy storage system is eligible for a residential or commercial tax credit. 6. Energy storage system installations must be completed during Tax Year 2024 (January 1, 2024 - December 31, 2024). For an energy storage system to be considered "complete," the system

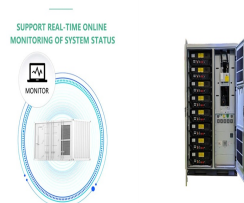


Full Applications for the Long-Duration Energy Storage Funding Opportunity Announcement were due on March 3, 2023. On September 22, 2023, OCED announced projects selected for award negotiations following a rigorous Merit Review process to identify meritorious applications to the Long-Duration Energy Storage Demonstrations Program based on the

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The teams were selected by competitive peer review under the DOE Funding Opportunity Announcement for the Energy Innovation Hub Program: Research to Enable Next-Generation Batteries and Energy Storage. While focused on basic science, the Funding Opportunity Announcement was developed in coordination through the DOE Joint Strategy a?|



Long-Duration Energy Storage Demonstrations Funding Opportunity Announcement Funding Opportunity Announcement Number: DE-FOA-0002867 FOA Type: Mod 000005 Assistance Listing Number: 81.255 Funding Opportunity Announcement Issue Date: 11/14/2022 Submission Deadline for Letter of Intent 12/22/2022 5:00 p.m. ET



With the RE+ clean energy expo in Las Vegas, US, coming to an end, we bring you a roundup of the major energy storage product announcements, including from Hithium, Sunwoda and Power Edison. With over 1,300 exhibitors covering the gamut of clean energy technologies, the four-day show is the largest renewables and clean energy event in North



WASHINGTON, D.C. a?? As part of President Biden's Investing in America agenda, a key pillar of Bidenomics, the U.S. Department of Energy (DOE) today announced \$7 billion to launch seven Regional Clean Hydrogen Hubs (H2Hubs) across the nation and accelerate the commercial-scale deployment of low-cost, clean hydrogena??a valuable energy a?|



Previous budget announcements covered by Energy-Storage.news in 2020 and 2021 were welcomed by IESA for their broad support of renewable energy and the green economy, but yesterday's announcement appears to be the first instance of specific, directly supportive policy announcements pertaining to energy storage by Minister Sitharam.

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Governor Hochul announced that the New Energy New York (NENY) Storage Engine has been designated a Regional Innovation Engine. Broome County Executive Jason Garnar said, "Today's announcement is great news for our community as it establishes Broome County as the nation's leader in battery research and manufacturing. Thank you Governor



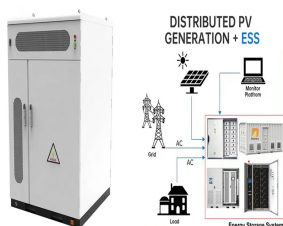
Federal Cost Share: Up to \$30.7 million Recipient: Wisconsin Power and Light, doing business as Alliant Energy Locations: Pacific, WI Project Summary: Through the Columbia Energy Storage project, Alliant Energy plans to demonstrate a compressed carbon dioxide (CO2) long-duration energy storage (LDES) system at the soon-to-be retired coal-fired Columbia Energy Center a?|



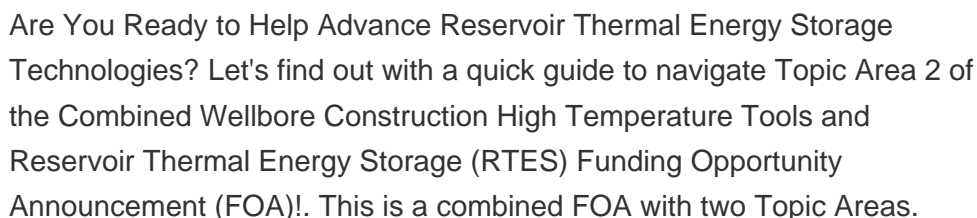
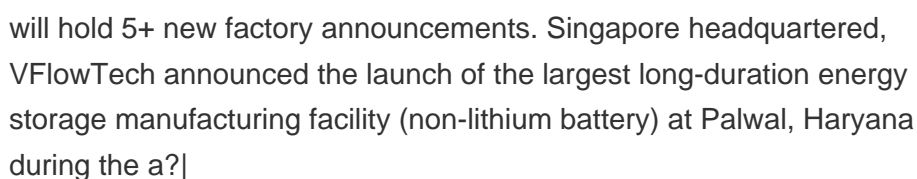
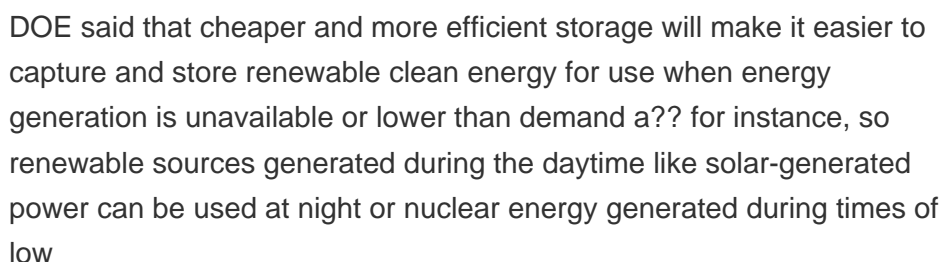
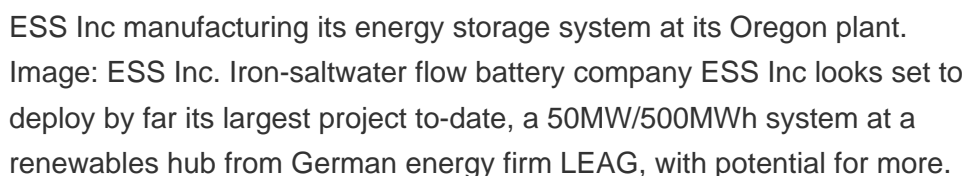
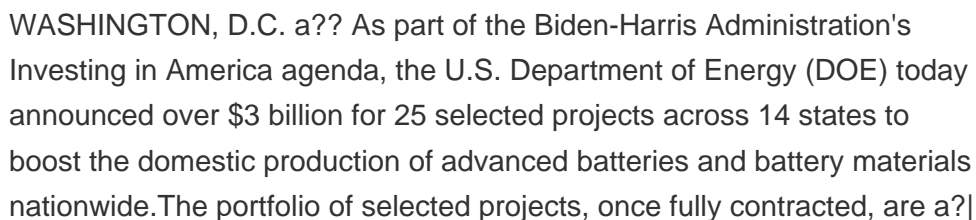
THE DEPARTMENT OF MINERAL RESOURCES AND ENERGY IS PROCURING NEW GENERATION CAPACITY FROM BATTERY ENERGY STORAGE IN ACCORDANCE WITH MINISTERIAL DETERMINATIONS GAZETTED UNDER THE INTEGRATED RESOURCE PLAN 2019. THE DEPARTMENT RELEASED AND ANNOUNCED THE FIRST BID WINDOW a?|



On September 22, 2023, the Office of Clean Energy Demonstrations (OCED) announced the selection of 15 projects under the Long-Duration Energy Storage Program to enter award negotiations. Local stakeholders will have substantive opportunities to engage with both DOE and the project teams, starting during the negotiation process and extending throughout the full a?|



Following Wartsila's Q3 2023 announcement that it had surpassed a billion dollars in sales for the 12-month rolling period that preceded, the company proclaimed the ES& O division to have become profitable. Energy-Storage.news" publisher Solar Media will host the 9th annual Energy Storage Summit EU in London, 20-21 February 2024. This



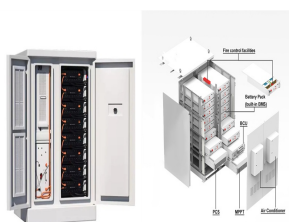
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These awards are through the Storage Innovations 2030: Technology Liftoff funding opportunity announcement (FOA) to advance energy storage innovations to help deliver clean, affordable electricity to Americans when and where it is needed most. OE selected three organizations (listed below) for their innovative ideas to tackle key R&D barriers



In additional comments provided to Energy-Storage.news, Keefe said: "Our announcement shows battery energy storage now achieving scale and impact. We showed we are driving energy storage into the mainstream in the capital markets. Energy storage is growing at a 23% CAGR through 2030a??that is 150% of tech."



The draft code language includes updates and additions to improve coordination, safety and emergency preparedness in the planning of energy storage projects. As the battery energy storage system (BESS) industry evolves, the proposed recommendations will advance the safe and reliable growth of BESS capacity that is critical to the clean energy



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. Battery energy storage plays a pivotal role in improving grid reliability, stabilizing electricity prices, harnessing the



Topic Area 1: High-Temperature Tools for Well Integrity Evaluation . Topic Area 1 seeks applications to address wellbore tools and technology to supplement and advance beyond currently available off-the-shelf (OTS) solutions provided by the oil and gas industry for cement and casing evaluation. Current solutions are suitable for the upper end of the oil and a?|



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 a?12.4 a?|

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Governor Kathy Hochul today announced over \$5 million is now available for long duration energy storage projects through New York State's Renewable Optimization and Energy Storage Innovation Program. Today's announcement builds on the more than \$30 million awarded in 2022 and 2023 by NYSERDA to nine projects through the first two rounds



WASHINGTON, D.C. a?? 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?|