

Energy Storage Agency New Energy Project



Overview

The Long Duration Energy Storage (LDES) program has been allocated over \$247 million to invest in the demonstration and deployment of non-lithium-ion long duration energy storage technologies across California, paving the way for opportunities to foster a diverse portfolio of energy.

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Energy Storage

At PNNL, we connect cutting-edge fundamental scientists with end-use domain experts to discover and develop new energy storage technologies for grid and

[MIT Energy Initiative conference spotlights research](#)

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.



[What's the best way to expand the US electricity grid?](#)

Growing energy demand means the U.S. will almost certainly have to expand its electricity grid in coming years. What's the best way to do this? A new study by MIT researchers examines

Energy Storage Research , NLR

NLR's multidisciplinary research, development, demonstration, and deployment drives technological innovation and commercialization of integrated



[NextEra Energy Resources , Key Energy Storage , Project](#)



['World's Largest' Energy Storage Site Approved as Part](#)

"California is moving faster than ever before to build the clean energy we need, now with the world's largest solar and battery project," said California



[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.

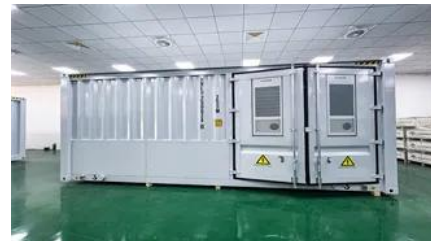


Learn how the Key Energy Storage project will create jobs, economic growth, and clean energy in Fresno County, California.



[Energy Department Pioneers New Energy Storage](#)

To that end, OE today announced several exciting developments including new funding opportunities for energy storage innovations and the



[Research - DOE Office of Electricity Energy Storage Program](#)

In a rapidly evolving energy landscape, our research and development improves the safety, reliability, and performance of energy storage, while making it as cost-effective as possible.

Using liquid air for grid-scale energy storage

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, according to a new



Making clean energy investments more successful

New research emphasizes the importance of well-validated models and forecasting tools in evaluating choices for investments in clean energy technologies and policies by governments and

Evelyn Wang: A new energy source at MIT

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and channel



New facility to accelerate materials solutions for fusion energy

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam

How artificial intelligence can help achieve a clean energy future

A look at how AI can be used to help support the clean energy transition by helping to manage



power grid operations, plan infrastructure investments, guide the development of novel



New materials could boost the energy efficiency of microelectronics

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which

[California Approves \\$169M Darden Project: World's Largest](#)

The Darden project joins a string of clean energy achievements in California, which added a record 7,000 MW of new capacity in 2024 and has reached 100% clean energy on 91% of



A new approach could fractionate crude oil using much less energy

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil

Long Duration Energy Storage Program

As the deployment of intermittent renewable energy sources accelerates and the frequency of extreme weather events increases due to climate change, there is a growing need for



[Strata cuts ribbon on 70 MW Inland](#)



[New Southern California Energy Storage Project](#)

State and local energy leaders joined company representatives to celebrate the launch of the 68.8 MW/275.2 MWh system, one of the largest

[Empire Energy](#)

As one of nine battery storage projects announced by PG&E in 2022, the Inland Empire Energy Storage project is part of a broader effort to



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