



# Office energy storage castries

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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.](#)

Funded by the Bipartisan Infrastructure Law, the LDES portfolio received \$505 million to help advance LDES systems toward widespread commercial deployment. This portfolio provides an opportunity for nascent LDES technologies to overcome the technical and institutional barriers that exist for full-scale deployment with a focus on a range of different technology types for a diverse set of regions.

On September 22, 2023, OCED announced projects selected for award negotiations following a rigorous Merit Review process to identify meritorious applications based on the criteria listed in the Funding Opportunity Announcement.

Today's energy storage technologies are not sufficiently scaled or affordable to support the broad use of renewable energy on the electrical grid. Cheaper long-duration energy storage can increase grid reliability and resilience so that clean, reliable, affordable electricity is available whenever and wherever to everyone.

This portfolio will help advance LDES systems toward widespread commercial deployment by providing an opportunity for nascent LDES technologies to overcome the technical and institutional barriers that exist for full-scale deployment with a focus on a range of different technology types for a diverse set of regions. This investment is aligned with DOE's Energy Storage Grand Challenge and will be critical to achieving the Department-wide Long-Duration Storage Shot goal of reducing the cost of grid-scale energy storage by 90% within the decade.



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Contact us for free full report

Web: <https://www.hollanddutchhtours.nl/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

