

# Inaugural Long Duration Energy Storage Summit – April 2024

*October 18, 2024*

In 2023, EEI, EPRI, the Long Duration Energy Storage Council, and DOE established a partnership to advance the deployment of long duration energy storage (LDES), which was memorialized in a memorandum of understanding (MOU) subsequently signed by the four parties. On April 8-9, 2024, the partners held their inaugural LDES Summit at EEI in fulfillment of the MOU.

The summit, which highlighted recent developments with LDES technologies and the role of LDES technology in the clean energy transition, also brought together key stakeholders to identify challenges and potential solutions for LDES deployment. Featured case studies highlighted three different types of LDES technologies involving three different uses in three different geographic locations. The “Electrochemical Storage Case Study” examined lessons learned from the successful implementation by Xcel Energy and Form Energy of an LDES project in Minnesota and related Integrated Resource Plan approval process. “Grid-scale Deployment: The “Mechanical Storage Case Study” focused on the Columbia Energy Storage project in Wisconsin, which is being led by Alliant Energy and Energy Dome and was recently awarded \$30 million in funding by the DOE. “Grid-scale Deployment: The “Thermal Storage Case Study” examined an energy storage project in Alaska being led by the Golden Valley Electric Association and Echogen, which was recently awarded funding by the DOE.

The summit also featured several guest speakers. Assistant Secretary on Energy Gene Rodrigues offered keynote remarks on the key role LDES technologies can play in the clean energy transition and DOE’s efforts to advance the technology. Additionally, Will McNamara from Sandia National Labs talked about the LDES National Consortium that Sandi is leading, which provides a forum for stakeholders to meet and identify barriers, synergies, and develop strategies to achieve LDES commercialization within the next decade.

Additionally, the Department of Energy chose the summit to announce the 12 finalists for the DOE Decadal LDES Challenge competition, who all gave a brief presentation on their idea. The Decadal LDES Challenge was a fast pitch competition to select “needle-moving” ideas for further development to accelerate progress towards the LDES Earthshot and Energy Storage Grand Challenge goals.

**[Read more:](#)**

- Summit Agenda
- Case Study Slides
- Decadal Challenge slides