



EPRI



Long Duration Energy Storage

Providing Balance to the Energy Transition

Overview:

U.S. Department of Energy Memorandum of Understanding on Long Duration Energy Storage with IET, EPRI and the LDES Council

MISSION:

Support the development and deployment of energy storage technologies that can meet market demands by 2030 and meet the target contained in DOE's Long Duration Storage Shot of *reducing the cost of grid-scale energy storage by 90% for systems that deliver 10+ hours of duration within the decade.*

HOW:

Following is a non-exhaustive overview of topics and activities the Parties will consider undertaking to fulfil [their partnership](#) to accelerate the commercialization of long duration energy storage (LDES) over the next five years:

1. **Facilitate the understanding and dissemination of knowledge to stakeholders and the public about the technological, economic, and resilience benefits of long duration energy storage.**
 - Leverage the [DOE Long Duration Energy Storage Liftoff Report](#) and other relevant technical reports by MOU parties to scale technologies from innovation/pilot to market maturity
 - Track and amplify LDES projects globally that receive awards and funding from DOE and other sources
 - Address conferences, workshops, webinars and other public events to broadly share the benefits of LDES
2. **Provide access to specific EPRI, DOE and national lab core competencies in energy storage and energy infrastructure integration for supporting research, development, demonstration, and deployment purposes.**
 - Create a framework for continued information sharing among all MOU Parties, their members, and individual National Labs
 - Understand how the MOU Parties and National Labs are working together and how the MOU can support all Parties
 - Provide opportunities for all MOU Parties, National Labs and industry stakeholders to share insights and expertise
3. **Benefit from knowledge provided by regulators, energy companies, technology vendors, and the financial community to identify barriers, and potential solutions, to LDES deployment.**
 - Host technical conference in April 2024 (inaugural LDES Industry Summit)
 - Educate regulators and legislators about diverse values of LDES and the use cases for power, heat, and industry
 - Identify market and regulatory barriers and develop recommendations to address
 - Encourage more inclusive resource and transmission planning to recognize LDES flexibility and resiliency benefits for a just and equitable clean energy transition