

Accelerating Clean Energy Technologies: Pathways to Commercial Liftoff

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APR

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Wu and Chen Auditorium
Levine Hall



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President Biden's Bipartisan Infrastructure Law and Inflation Reduction Act provided DOE billions of dollars to invest in and support large-scale demonstration and deployment of clean energy technologies over the next decade. These historic investments are intended to drive commercialization and unlock trillions in private investment to set the nation on a course to hit critical long-term decarbonization objectives while creating high quality American jobs, strengthening domestic supply chains and global competitiveness, and facilitating an equitable energy transition. By 2030, DOE reports that cumulative investments must increase from approximately \$40 billion to \$300 billion across the hydrogen, nuclear, long duration energy storage, and carbon management sectors. DOE's Office of Technology Transitions (OTT) is responsible for technology commercialization and engagement with the business and industrial sectors across the United States.

On March 8, 2023, the DOE announced a Partnership with the Edison Electric Institute, the Electric Power Research Institute (EPRI) and the Long Duration Energy Storage Council to support the development and domestic manufacture of long-duration energy storage (LDES) technologies that can meet all U.S. market demands by 2030 with the goal of reducing the cost of grid-scale energy storage by 90% for systems that deliver 10+ hours of duration.

With input from industry, investors, academics, and other stakeholders, the OTT prepared "Liftoff Reports" for emerging clean energy technologies which provide constant updates on market conditions, technology advances, governance issues, and community concerns. DOE also encourages direct public input, which can be submitted via email to liftoff@hq.doe.gov.

Reception to follow sponsored by the Environmental Innovations Initiative.