GPE Utility Storage

Energy Storage System Centralized Procurement Process

Overview

This chapter supports procurement of energy storage systems (ESS) and services, primarily through the development of procurement documents such as Requests for Proposal (RFPs), Power Purchase Agreements (PPAs), and term sheets.

Article Content

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

DOE ESHB Chapter 20 Energy Storage Procurement

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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

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

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.

Next-generation geothermal energy: Promise, progress, and challenges

Geothermal energy, a clean, continuous energy source accessible in many locations, has been slow to catch on. Nearly 2,000 years ago, the Romans made extensive use of geothermal

Giving buildings an “MRI” to make them more energy-efficient and ...

Founded by a team from MIT, Lamarr.AI utilizes drones, thermal imaging, and AI to identify energy waste and structural issues in buildings and recommend retrofits.

Energy Storage

The IPA plans to analyze the results of the initial storage procurement, the results of the ongoing Resource Adequacy Study process, and the upcoming Integrated Resources Plan process

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

CPUC Advances Clean Energy with Centralized Procurement Strategy

By 2037, the CPUC''s directive could lead to the completion of this procurement strategy, if bid costs are found to be reasonable and contracts are approved, enhancing California''s grid

CPUC Authorizes Procurement of 10.6 GW of Clean

The decision establishes principles for allocating the costs and benefits of the centralized procurement across all load-serving entities (LSEs)

Energy Storage Procurement En

The materials included are designed to give specific examples of the elements that should be included in a solicitation for the procurement and installation of a battery energy storage project that is designed

Explained: Generative AI''s environmental impact

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

MIT engineers create an energy-storing supercapacitor from ancient ...

MIT engineers created a carbon-cement supercapacitor that can store large amounts of energy. Made of just cement, water, and carbon black, the device could form the basis for

Understanding ammonia energy''s tradeoffs around the world

MIT Energy Initiative researchers calculated the economic and environmental impact of future ammonia energy production and trade pathways.

Contact Us

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