Energy Storage Database

The authoritative archive of accurate, up-to-date energy storage project and policy developments

U.S. DEPARTMENT OF ENERGY | Electricity Delivery & Energy Reliability

Energy Storage Program

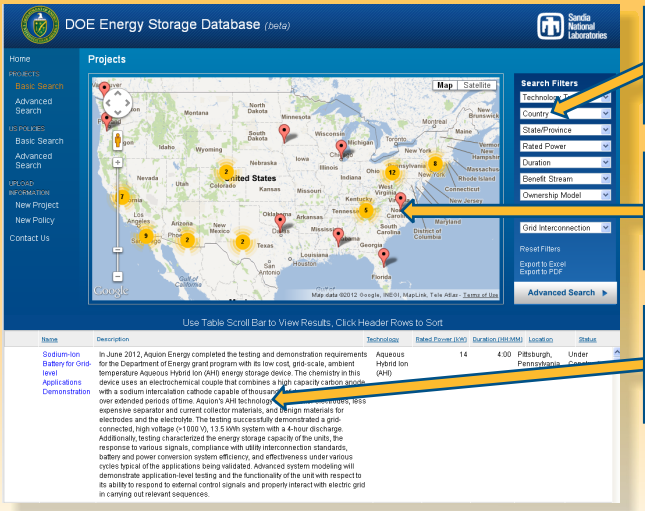
Sandia National Laboratories

Energy storage projects and policies across the United States are rapidly evolving and expanding. A publicly accessible central archive is increasingly essential to document these developments; to facilitate future projects; and to ease cross-sector, national, and international coordination. The U.S. Department of Energy (DOE) and Sandia National Laboratories contracted Strategen Consulting LLC to develop a database of energy storage projects and policies. When completed, the database will present current information about energy storage projects worldwide and U.S. energy storage policy in an easy-to-use and intuitive format. The database will be research-grade, unbiased, and vetted by a third party. Users will be able to search by region, technology, service territory, benefit stream, and other project or policy statistics. Search results will be displayed as a sortable list and can be exported as Adobe PDF or Microsoft Excel files.

Objectives

- Create a publicly accessible, easy-to-use, searchable database of energy storage projects and policies
- Become the go-to source for accurate, up-to-date energy storage project and policy developments
- Cultivate a trusted network of users to load updated project and policy data directly into the database

Interface Examples



Benefits

- Eliminates duplicative industry efforts to aggregate project and policy data
- Cultivate a trusted, non-biased industry resource
- Ease comparison and organization of industry data about projects and policies
- Centralize the exchange of energy storage industry information

Project Partners

- Sandia National Laboratories *www.sandia.gov*
- Strategen Consulting LLC *www.strategen.com*

For More Information

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Related Reading

Energy Storage Database, http://www.energystorageexchange.org/.

Sandia National Laboratories, "Energy Storage Systems Program (ESS)," http://www.sandia.gov/ess/.

Importance of Energy Storage

Large-scale, low-cost energy storage is needed to improve the reliability, resiliency, and efficiency of next-generation power grids. Energy storage can reduce power fluctuations, enhance system flexibility, and enable the storage and dispatch of electricity generated by variable renewable energy sources such as wind, solar, and water power. The Office of Electricity Delivery and Energy Reliability Energy Storage Program funds applied research, device development, bench and field testing, and analysis to help improve the performance and reduce the cost of energy storage technologies.

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