

What are the new energy innovation hubs?

The U.S. Department of Energy announced the creation of two new Energy Innovation Hubs led by DOE national laboratories across the country. One of the national hubs, the Energy Storage Research Alliance (ESRA), is led by Argonne National Laboratory and co-led by Berkeley Lab and Pacific Northwest National Laboratory.

What is Berkeley Lab's new energy storage center?

A brainchild of Lab Director Mike Witherell last spring, the intent was to reinforce Berkeley Lab's role as a serious national energy storage player, highlight the Lab's new Energy Storage Center which was established in the fall of 2020, and shine a spotlight on the depth and breadth of exciting energy storage work taking place at the Lab.

Is new energy New York a hub for battery innovation?

The federal government designated the New Energy New York (NENY) project led by Binghamton University a hub for battery innovation in a series of announcements Oct. 23. NENY received a Regional Tech Hub designation from the Biden-Harris administration and the U.S. Department of Commerce's Economic Development Administration (EDA).

What is the future of energy storage?

Storage enables electricity systems to remain in balance despite variations in wind and solar availability, allowing for cost-effective deep decarbonization while maintaining reliability. The Future of Energy Storage report is an essential analysis of this key component in decarbonizing our energy infrastructure and combating climate change.

What is the Energy Storage Research Alliance?

The Energy Storage Research Alliance will focus on advancing battery technology to help the U.S. achieve a clean and secure energy future and become dominant in new energy storage industries.

What is the Energy Storage Research Alliance (Esra)?

The Energy Storage Research Alliance will focus on advancing battery technology to help the U.S. achieve a clean and secure energy future. Berkeley Lab's contributions to ESRA include world-leading energy storage research expertise and capabilities, such as the Advanced Light Source. Credit: Marilyn Sargent/Berkeley Lab

The investments support the broader New Energy New York (NENY) initiative, whose goal is to create a National Hub for Battery Innovation and Manufacturing. The state's investment will be funded through the Upstate ...

Effectively cooling battery energy storage installations will be important in designing clean energy systems

that meet the demands of a more sustainable and electrified world. Borrowing and evolving technologies from ...

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The size of a shopping centre, the hub will provide facilities to pilot innovative new energy technology, including energy storage and hydrogen. It will also provide a real-life, hands-on ...

Rain Carbon Inc. (RAIN), a global leader in upcycling of industrial by-products to high value carbon materials, has announced a 30,000 sq. ft. industrial facility in Hamilton, Ontario, Canada to ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power ...

JCESR Renewed for Another Five Years September 18, 2018. The U.S. Department of Energy (DOE) announced its decision to renew the Joint Center for Energy Storage Research (JCESR), a DOE Energy Innovation Hub ...

