

Island Energy Storage Battery Project





Overview

What's going on with Long Island's Battery energy storage projects?

The Long Island Power Authority approved two utility-scale battery energy storage contracts on Wednesday, Dec. 18 — a 50-megawatt project on LIPA's property that had formerly been slated to become the Shoreham Nuclear Power Plant, and a 79-megawatt facility on Rabro Drive in Hauppauge.

Which long Island utility-scale battery energy storage projects have been approved?

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Why did Lipa approve a battery energy storage system?

“CCE applauds LIPA for approving the contracts for two Battery Energy Storage Systems, which will assist our critical transition away from dirty, polluting peaking plants while creating a more resilient energy grid and delivering renewable power to Long Island homes.

Do Island power systems have centrally managed storage facilities?

Centrally managed storage facilities in island power systems dominate the relevant literature. Table 4 includes the papers dealing with the centrally managed storage concept. Table S2 of the Supplementary data and Fig. 7 present additional details for the most representative ones.

Who is proposing battery energy storage systems (Bess) on the east end?

Both projects are proposed by Key Capture Energy, a company that has in the past proposed Battery Energy Storage Systems (BESS) on the East End.

How important are energy storage stations in Nii?



Undoubtedly, energy storage stations (ESS) are vital for the electricity sector of NII to move to penetrations of renewables over 50 %. As can be inferred from Table 1, pumped hydro storage (PHS) and battery energy storage (BES) technologies dominate the landscape of actual grid-scale applications for island systems.



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[SOUTHEAST ASIA'S LARGEST ENERGY STORAGE ...](#)

Singapore, February 2, 2023 - Sembcorp Industries (Sembcorp) and the Energy Market Authority (EMA) today officially opened the Sembcorp Energy Storage System (ESS). The Sembcorp ...

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[Island Power Storage Systems: The Secret Sauce for ...](#)

In this deep dive, we'll explore how cutting-edge energy storage is rewriting the rules of island power management, complete with real-world success stories you can't afford ...

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Island Residential Energy Storage Case Study , GSL ENERGY ...

In 2024, GSL ENERGY successfully deployed an off-grid residential energy storage system on Saipan Island, USA, providing local users with a green, independent, and reliable ...

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[Map details locations of battery sites on Staten Island: See](#)

STATEN ISLAND, N.Y. -- A new dataset shows that 13 more lithium-ion battery energy storage sites



(BESS) are currently "in the pipeline" for Staten Island, each one set to ...

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A comprehensive review of electricity storage applications in island

The purpose of this paper is to comprehensively review existing literature on electricity storage in island systems, documenting relevant storage applications worldwide and ...

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Waikoloa Solar + Storage Project

AES Hawai'i's Waikoloa Solar + Storage Project began commercial operations in April 2023 and is the largest project of its kind on ...

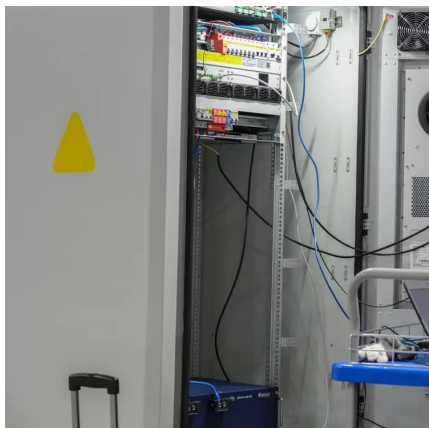
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[OK's Construction of 110 MW Battery Storage Facility in ...](#)

Approved Plans Include Significant Fire Safety Features ALBANY -- The New York State Public Service Commission (Commission) today approved the construction and operation of a battery ...

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Island Power Storage Systems: The Secret Sauce for Sustainable Energy

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Here's where Key Capture wants to develop two utility-scale ...

On Wednesday the Long Island Power Authority Board of Trustees approved two battery energy storage contracts in Suffolk County, New York that will provide much-needed ...

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New solar + battery storage project completes first stage of ...

The new Hoohana Solar project started commercial operations on July 11, 2025, marking the completion of the first stage of grid-scale renewable energy systems brought ...

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LIPA Approves Battery Storage at Site of Shuttered Shoreham ...

The Long Island Power Authority approved two utility-scale battery energy storage contracts on Wednesday, Dec. 18 -- a 50-megawatt project on LIPA's property that had ...

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Frequently Asked Questions

The battery storage system collects energy from the local electric grid during times of low or normal demand. The energy is then stored in a large battery on the distribution system, ...

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Rhode Island adopts 600MW energy storage target, USDA funds ...

Meanwhile, on the same day Rhode Island Governor Daniel McKee signed the legislation, utility Golden Valley Electric Association (GVEA) in Alaska announced the award of ...

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Battery Storage Facility Approved for Site of Former Shoreham ...

Energy Storage's Role in Long Island's Future The project supports the state's Climate Leadership and Community Protection Act, which sets targets of 70% renewable ...

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Projects , NineDot Energy

NineDot Energy designed and is developing a battery storage project in one of the highest need areas of New York City. The site is currently under ...

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Oyster Shore Energy Storage

Jupiter Power is proposing to build and operate Oyster Shore Energy Storage, an approximately 275-megawatt battery energy storage system in Glenwood ...

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[Here's where Key Capture wants to develop two utility ...](#)

On Wednesday the Long Island Power Authority Board of Trustees approved two battery energy storage contracts in Suffolk County, ...

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[AGL, Wärtsilä complete 250MW BESS project in ...](#)

The 250MW, 250MWh (1-hour duration) battery energy storage system (BESS) is sited on Torrens Island in South Australia, where AGL - ...

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Battery Storage Facility Approved for Site of Former Shoreham ...

The new battery facility will occupy a two-acre corner on the west side of the property, adjacent to over 300 acres of wooded land owned by National Grid. Key Capture ...

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LIPA Board of Trustees Approve Two Utility-Scale Battery ...

LIPA Board of Trustees Approve Two Utility-Scale Battery Energy Storage Contracts Approved Contracts will Enhance LIPA's Clean Energy Portfolio and Ensure Continued Reliability of the ...

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[LIPA Board of Trustees Approve Two Utility-Scale ...](#)

Matthew Aracich, President of the Building and Construction Trades Council of Nassau Suffolk Counties, said, "The approval of these battery energy storage ...

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[Jordan Solar and Energy Storage Project](#)

Jordan BC Solar Project Limited Partnership, a subsidiary of Recurrent Energy, is developing the Jordan Solar and Energy Storage Project (Project), an ...

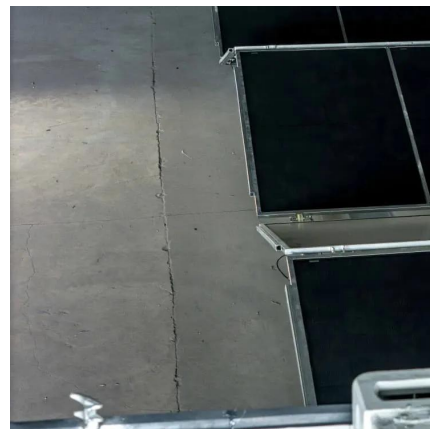
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[Battery energy storage facilities proposed for East ...](#)

Residents from across the Island were present at this meeting, hoping to learn more about the battery storage systems that are proposed in ...

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[Energy storage strategies for island power](#)

In a recent project on a large, densely populated island, DEPCOM modeled 15 different battery systems with varying technologies and multiple system configurations against ...

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Battery energy storage facilities proposed for East Setauket

Residents from across the Island were present at this meeting, hoping to learn more about the battery storage systems that are proposed in their own towns. Many questioned the ...

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