

## Global PV Storage Insights

# Battery storage container project financing options in New Zealand 2025



## Overview

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What is the NZ battery project?

The NZ Battery Project was set up in 2020 to explore possible renewable energy storage solutions for when our hydro lakes run low for long periods. A pumped hydro scheme at Lake Onslow was one of the options being explored. The Government stopped the Lake Onslow investigations in late 2023.

Why are battery energy storage systems important in New Zealand?

There is growth in renewable energy generation as New Zealand moves to a low carbon economy. But renewable energy like solar and wind are intermittent which means Battery Energy Storage Systems, which can be flicked on to supply power quickly, are important to manage winter peaks, and to make the national power grid resilient.

Can battery technology save energy in New Zealand?

transferring and using energy. In New Zealand, our hydro lakes store energy on a large scale. However, until now we have had limited options to store electricity cost-effectively close to where it is used. Around the world, battery technology now offers opportunities to store electricity economically.

Does Eku energy have a battery storage system in New Zealand?

Eku Energy has bought a major battery energy storage system (BESS) in New Zealand's North Island to build out its storage assets.

What is a battery energy storage system?

ESSs enable electrical energy to be stored and then injected into the power system when it is needed most. This ensures that homes and businesses are powered even when the sun does not shine or the wind is not blowing. Battery energy storage systems (BESSs) are the most common new form of ESSs in New Zealand.

How many MW is a battery energy storage system?

It will have a total installed capacity of between 200-300MW. The BESS will connect to an existing 220 kV line via a new 33kV underground cabling into a new switching substation, and then into the Transpower substation, and onto the national grid. Why build a Battery Energy Storage System now?

## Battery storage container project financing options in New Zealand

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### £220m funding secured for Eccles 400MW battery ...

18th March 2025 - London, UK Zenobe, the battery storage and fleet electrification specialist, has today announced one of the largest standalone battery storage financings in Europe for its latest Battery Energy Storage ...

### Meridian brings online New Zealand's first grid-scale battery storage

Meridian anticipates that the BESS will generate annual revenues of up to US\$35 million. Image: Meridian Energy. Meridian Energy, a New Zealand state-owned energy ...



### The Rise of Grid-Scale Battery Projects in New Zealand

Grid-scale battery storage solves this problem of solar and wind intermittency, enabling the use of renewable plants for large sets of consumers. These are the NZ battery storage projects in the pipeline.

### Residential Solar in New Zealand: Understanding the ...

Background Residential solar systems and battery storage are expected to play an increasingly important role in New Zealand's

energy future, aligning with EECA's renewables energy ...



## A regulatory roadmap for battery energy storage systems

New Zealand's distribution sector and consumers are considering new ways to create additional capacity without building physical infrastructure. Controllable distributed energy resources offer ...

## Update on the NZ Battery Project

Currently, New Zealand relies on the combustion of coal and gas to maintain security of supply through dry years when there is less rainfall/snow melt in the South Island hydro lakes. Cabinet ...



## Poland roundup: Statkraft 700 MW BESS portfolio, LGES battery

The Polish branch of Statkraft, Europe's largest producer of renewable energy, has built a portfolio of 700 MW of battery energy storage projects. The Oslo-headquartered ...



## The need for energy storage: Firming New Zealand's ...

Build new generation or storage assets, recognising that renewables could be an expensive option, but the investment case for new gas turbines is currently difficult.



## BATTERY STORAGE IN NEW ZEALAND

We considered hosting our own trial of grid-connected battery storage, but first we chose to investigate the benefits of battery storage across the electricity supply chain. We did this by ...

## Contact to develop a grid-scale 100 MW battery in Auckland

Contact's first renewable project in Auckland to start immediately. Tesla selected as battery energy storage system supplier, the first Megapack 2 XL project in New Zealand. ...



## BBDF 2025: Understanding BESS project bankability

Financing remains one of battery energy storage system's (BESS) biggest talking points, as bankability, risk mitigation, insurance, and more.

## Battery Energy Storage: Financing Options and Strategies

Part 1 of our Anatomy of a Great Battery Energy Storage System Project webinar series this session, we delved into the different financing options available



## Poland Launches EUR1 Billion Battery Storage Program ...

Learn about Poland's EUR1 billion energy storage subsidy aimed at installing 5.4 GWh of BESS by 2028, strengthening grid stability and accelerating the green transition.

## A 2025 Update on Utility-Scale Energy Storage Procurements

While the energy storage market continues to rapidly expand, fueled by record-low battery costs and robust policy support, challenges still loom on the horizon--tariffs, ...



## New Zealand needs big batteries and needs them now!

A few big batteries built quickly and New Zealanders can enjoy cheap hydropower coming north. Battery technology reduces bills and makes our power system more resilient and can be built ...

## NZ Battery Project

Although tools such as peer-to-peer trading and demand response programmes for residential consumers show signs of future potential, many battery services cannot presently be ...



## **Boralex closes financing for Canada's largest BESS**

The Hagersville Battery Energy Storage park, located in Haldimand County, Ontario, Canada, will be the largest battery energy storage system (BESS) project to date in Canada. The project is expected operational ...

## **Six Predictions for the Battery Industry 2025**

Solutions are required to shorten project timelines, enabling the correct timing of the previously communicated commissioning. New system designs, in which the entire ...



## **List of Lithium Battery Manufacturers in South Africa 2025**

Enertec Batteries was founded in 1982, it is a well-known lithium battery and energy storage product supplier in South Africa. With 40 years of industry experience, it offers ...

## How to finance battery energy storage , World ...

Battery energy storage systems can address the challenge of intermittent renewable energy. But innovative financial models are needed to encourage deployment.



## Ekus Energy enters New Zealand with 300 MW battery ...

...

Ekus Energy has acquired a 300 MW battery energy storage project in New Zealand's Waikato region, marking its entry into the country. The project will be co-developed with local firm Helios Energy and will connect to ...

## Financing battery storage+renewable energy

Some of the Hawaiian islands, for example, require renewable generators to couple any new generating facilities with batteries to help manage the local grid. In emerging markets, small, ...



## Latest Battery Energy Storage System (BESS) Projects in New ...

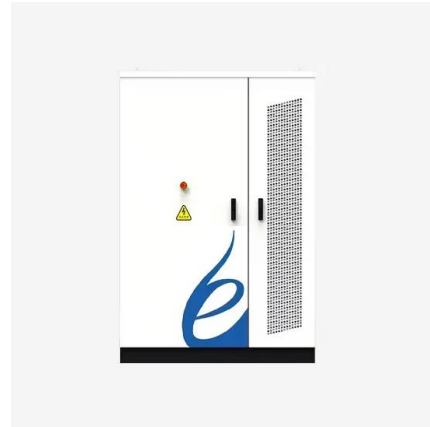
...

Search all the latest and upcoming battery energy storage system (BESS) projects, bids, RFPs, ICBS, tenders, government contracts, and awards in New Zealand with our comprehensive ...

...

## New Zealand's first grid-scale battery energy storage system

A large-scale grid-connected battery energy storage system is to be built at Ruakaka on North Island, thought to be the first of its kind in New Zealand. The 100 MW storage system, which ...



## BBDF 2025: Understanding BESS project bankability

Financing remains one of battery energy storage system's (BESS) biggest talking points, as bankability, risk mitigation, insurance, and more.

## Making project finance work for battery energy storage projects

Why securing project finance for energy storage projects is challenging It has traditionally been difficult to secure project finance for energy storage for two key reasons. Firstly, the nascent ...



## Utility-Scale Battery Storage in 2025: Navigating Tariffs, Tax

EXECUTIVE SUMMARY Battery Energy Storage Systems (BESS) have become a cornerstone of modern energy infrastructure in the United States. As the national grid lessens its dependence ...

## Saft energy storage system to support New Zealand's transition ...

Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakaka on North Island Saft lithium-ion technology ...



## Contact to develop a grid-scale 100 MW battery in ...

Contact's first renewable project in Auckland to start immediately. Tesla selected as battery energy storage system supplier, the first Megapack 2 XL project in New Zealand. The battery system will discharge stored energy at ...

## Financing Strategies for Battery Energy Storage Projects

This webinar is ideal for anyone involved in the implementation of battery energy storage projects at their facilities and will provide valuable insights and strategies for successful deal design



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