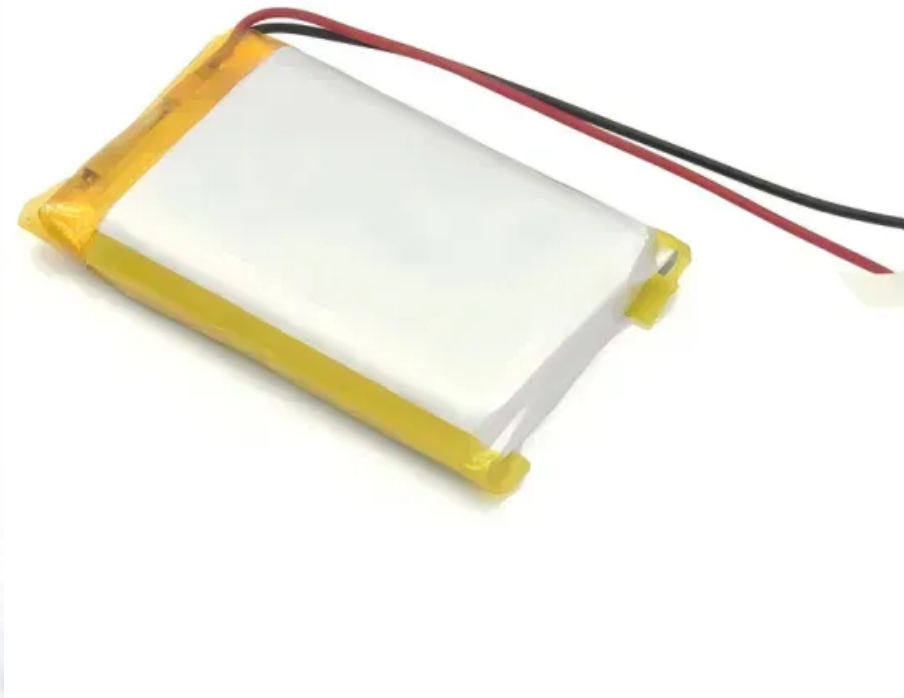


## Global PV Storage Insights

# Expected ROI of standalone energy storage project in New Zealand 2025



## Overview

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

Eku Energy has bought a major battery energy storage project in New Zealand's North Island to build out its storage assets. Eku Energy has acquired a 300 MW battery energy storage project in New Zealand's Waikato region, marking its entry into the country.

Where is New Zealand's first grid-connected battery energy storage system located?

Meridian Energy has completed construction of New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakākā, with an official opening ceremony scheduled for later today.

Why is fuel storage important in New Zealand?

The choice of fuel used for storage is critical for security, price stability and environmental impact. There is value in New Zealand having diversity for its storage solutions, as seen by the impact of the lack of gas in Winter 2024. Working with every facet of the energy industry, to help clients respond to business issues and trends.

What will New Zealand's energy sector do in 2024?

New Zealand's energy sector experienced the first year of the new coalition Government's policy workplan in 2024. The Government's legislative focus is to enable regulatory settings for industry development and investment, rather than the Government making direct investment into the sector.

Will Rankine power supply increase wholesale electricity prices in New Zealand?

Concept Consulting's modelling shows that without thermal generation from the Rankine units as part of New Zealand's energy storage solution, wholesale electricity prices would likely be 60% higher in the short-term (the next two-to-

three years) and 11% higher in the long-term (ten+ years).

Will Huntly assets support New Zealand's energy security?

Off the back of its experience in Winter 2024, Genesis asked KPMG and Concept Consulting to assess the future requirement for Huntly assets to support New Zealand's energy security over the short, medium, and long term. Key takeaways from this report:

## Expected ROI of standalone energy storage project in New Zealand

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### Energy storage safety and growth outlook in 2025

Looking ahead: Keys to success Several factors will define the energy storage market in 2025: the continued dominance of LFP chemistry and its downward impact on ...

### Co-location and standalone storage both 'good ...

Individual market dynamics and appetite for risk play an important role in the effectiveness of co-location as a hedge for renewable assets.



### New Zealand's Electrochemical Energy Storage ...

With strategic investments and cross-sector collaboration, electrochemical storage will anchor New Zealand's clean energy future, ensuring its landscapes remain pristine while powering

### Ekus Energy enters NZ with 300 MW battery project ...

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 Auckland-

headquartered solar company ...



## Battery Energy Storage Systems

BSES Rahdhani Power Limited (BRPL) and Global Energy Alliance for People and Planet (GEAPP) together have launched India's first ever commercial standalone BESS, expected to ...



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

As of June, grid operator Transpower had six connection requests for standalone BESS, 25 for solar-plus-storage projects, and one wind-plus-storage request. Eku ...



## **A 2025 Update on Utility-Scale Energy Storage ...**

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, shifting tax incentives, and supply chain uncertainties ...



## CAISO: The state of grid-scale battery energy storage ...

Which major battery projects are currently in testing and expected to reach commercial operation in 2025. How CAISO's Resource Adequacy market is shaping battery investment and financing decisions. To get full access to Modo ...

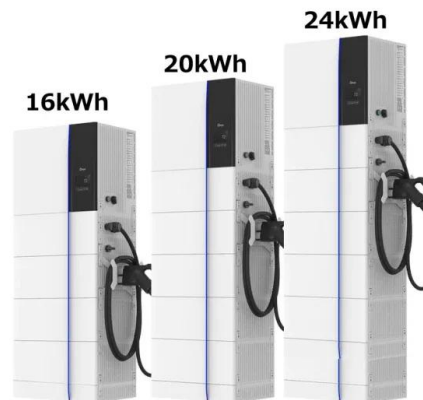


## Energy Storage in 2025: What's Hot and What's Next?

The energy storage landscape is changing quickly as scientists work to create better and longer-lasting storage solutions. Experts are focused on improving smart grids to ensure that electricity systems work well and are.

## Strategic Player in the Future of New Zealand Energy

Note: Project timing was re-prioritised in Q3 2024 due to the failure of rig-less interventions on Copper Moki-1 & 2 meaning all free cash has been directed to completing the Tariki Project in ...



## Ekü Energy enters New Zealand with 300 MW battery

...

As of June, grid operator Transpower had six connection requests for standalone BESS, 25 for solar-plus-storage projects, and one wind-plus-storage request. Ekü Energy is jointly owned by Macquarie Asset ...

## New Zealand's 'first grid-scale battery storage project' ...

Electric power distribution company WEL Networks and developer Infratec have launched their grid-connected battery energy storage system (BESS) in New Zealand. The two companies said last Friday (20 ...



## Meridian Energy Completes New Zealand's First Large-Scale ...

Meridian Energy has completed construction of New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakaka, with an official opening ...

## Understanding the Return of Investment (ROI) of Energy Storage ...

Several key factors influence the ROI of a BESS. This article explores the various factors influencing the return of investment of BESS.



## Biggest generator in New Zealand presses go on first ...

The biggest generation company in New Zealand presses go on its first big solar farm, and reveals some interesting data around its output and pricing.

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

Concept Consulting's modelling shows that without thermal generation from the Rankine units as part of New Zealand's energy storage solution, wholesale electricity prices would likely be 60% ...



## Utility-Scale Battery Storage , Electricity , 2024 , ATB , NREL

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are ...

## The need for energy storage

In Aotearoa New Zealand we are fortunate to have a strong history of investing in renewable energy. The continuing investment in renewables is supporting New Zealand to meet the ...



## New Zealand's Energy Outlook , Ministry of Business, Innovation

New Zealand's Energy Outlook presents projections of future energy supply, demand, prices and greenhouse gas emissions, aimed at informing the energy debate.

## Battery Energy Storage Roadmap

Energy storage is integral to achieving electric system resilience and reducing net greenhouse gases by 45% before 2030 compared to 2010 levels, as called for in the Paris Agreement. China and the United States ...



## **Financing Energy Storage: A Cheat Sheet**

U.S. Market 35 GW -- New energy storage additions expected by 2025 (link) \$4B -- Cumulative operational grid savings by 2025 (link) 167,000 -- New jobs by 2025 (link) \$3.1B -- Revenue ...

## **New Zealand's electricity future: generation and future**

...

New Zealand's future is electric. More electricity generation is needed to meet increasing demand and to replace fossil fuel-fired generation. Increasing electricity production will also enable the decarbonisation of the ...



## Energy use in New Zealand

Energy use in New Zealand This report presents information about the energy consumption patterns in Aotearoa New Zealand, with analyses by fuel type and energy-consuming sector. ...

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

The need for energy storage: Firming New Zealand's renewable energy Context fortunate to have a strong history of investing in renewable energy. The continuing investment in renewables is ...



## Standalone vs. Solar-Plus-Storage: What Is Best?

If you're like most solar shoppers, you're considering an energy storage system primarily for resilience: as a source of backup power during outages. Standalone storage may be able to help provide backup power but ...

## Energy in New Zealand 2025

New Zealand's total energy supply decreased in 2024, mainly due to ongoing field depletion and lower supply of gas. At the same time, growth in domestic renewable energy production saw ...



## 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 ...

## Energy Sector in New Zealand

Introduction New Zealand's energy sector experienced the first year of the new coalition Government's policy workplan in 2024. The Government's legislative focus is to enable ...



## **Strategic Player in the Future of New Zealand Energy**

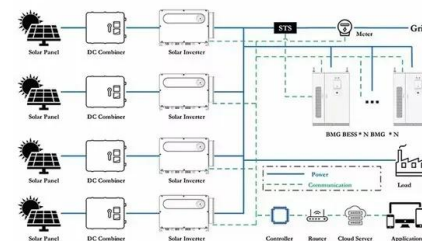
6-10 month pathway to new gas production  
Restoration projects planned for low investment, quick pay-back opportunities - including new gas storage solutions



## **Lazard says US energy storage cost reduction in 2025 offsets ...**

...

Saticoy, a 4-hour duration 100MW standalone BESS project in California, US. Image: Arevon Asset Management. The levelised cost of storage (LCOS) for battery storage in ...



## The need for energy storage

Key takeaways from this report: Having a high degree of renewable energy generation means New Zealand needs the capacity to store energy for the times when nature does not align with ...

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