

## Global PV Storage Insights

# Expected ROI of industrial battery cabinet project in New Zealand 2025



## Overview

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Which large-scale battery energy storage systems are coming to New Zealand?

As a result, worldwide as well as in New Zealand, more and more large-scale Battery Energy Storage Systems (BESS) are announcing their arrivals. Let's take a look at a few examples: 1. WEL Networks + Infratec: 35 MW BESS.

What is the NZ battery project?

40 The NZ Battery Project aims to reduce New Zealand's greenhouse gas emissions and, hence, contribute to global emission reduction and net climate benefit. Any large-scale hydro development requires balancing its impacts against benefits. 44 Lake Onslow is also an important cultural, social and landscape asset.

Why should New Zealand invest in grid-scale batteries?

Additionally, these batteries, alongside more renewable generation, will help off-set the retirement of thermal generation and support New Zealand's transition to a low-emissions economy. The first grid-scale battery was commissioned in 2023 by Hamilton lines company WEL Networks.

How will the NZ battery project affect wholesale prices?

The IBC indicates that the net effect is likely to be downwards pressure on wholesale prices that is comparable to the Lake Onslow option (noting that the NZ Battery project's economic modelling to date has been focused on costs rather than prices, so it is premature to draw final conclusions on the magnitude of price impacts).

What is the NZ battery project's Social Impact Assessment Report?

100 In Phase 1, the NZ Battery Project commissioned an Interim Social Impact Assessment report, to highlight the issues and opportunities of developing a large infrastructure project at Lake Onslow.

How much does a battery cost in New Zealand?

The mean charging spot price was \$123/MWh and the median was \$132/MWh. As New Zealand electrifies, more grid-scale batteries will support the growing renewable energy supply. Meridian Energy is building a 100MW (200MWh) battery near Ruakākā in sunny Northland. This battery is expected to be commissioned in September 2024.

## Expected ROI of industrial battery cabinet project in New Zealand 2

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### 35MW Battery Energy Storage System Gains Traction ...

WEL Networks and Infratec are pleased to announce that they have entered into major contracts for the supply and build of New Zealand's largest battery storage facility.

### Spotlight on New Zealand: Battery storage capacity expands as ...

New Zealand's electricity system remains heavily dependent on hydro generation, especially in the South Island, where facilities like Manapouri and Clyde dams dominate. ...



### New Zealand Photovoltaic Market (2025-2031) , Companies

6Wresearch actively monitors the New Zealand Photovoltaic Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, ...

## PUMPED HYDRO SCHEME

The Pumped Hydro Scheme at Lake Onslow in New Zealand, managed by Mott Macdonald, underscores RLB's proficiency in cost

management, quantity surveying, project programming, ...



## New Zealand Construction Report 2025: Output to Recover and

New Zealand Construction Report 2025: Output to Recover and Grow at an AAGR of 4% During 2026-2029, Supported by Investments in Transport, Health, and ...

## 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



## New Zealand's Construction Outlook for 2025: A Data ...

The Construction Outlook Report - New Zealand offers the most comprehensive view of the construction landscape in 2025. Download today!



## New Zealand in 2025 , Insights , HSBC

New Zealand in 2025 -- Upswing expected after tough times Jamie Culling, Economist for Australia, NZ and Global Commodities, discusses our macro outlook for New Zealand in the ...



## New Zealand Construction Report 2025: Output to Recover and

New Zealand's construction industry to contract by 1% in 2025 due to rising costs and labor shortages but is expected to rebound with a 4% average annual growth from ...

## New Zealand finishes build of 100 MW / 200 MWh ...

Construction and commissioning of the Ruakaka battery energy storage system (BESS) on New Zealand's North Island is complete, with the site expected to reach full operation within weeks.



## Public Private Partnerships , The Treasury New Zealand

Government may decide that the best value for money option when procuring a major project is via a Public Private Partnership ('PPP') model. Key attractions of a PPP model for government ...

## Renewable Energy

In New Zealand, electricity generation in the Renewable Energy market is projected to reach 38.39bn kWh in 2025. An annual growth rate of 0.49% is anticipated for the period from 2025 ...



## 2025 Cabinet material released by Treasury Ministers

Cabinet papers prepared by Treasury Ministers proactively released in 2025. The Treasury releases Cabinet material on its website for the Ministers we support, including ...

## Meridian powers up New Zealand's largest grid-scale battery

The 100-MW/200 MWh Ruakaka BESS is part of a larger project that also envisages the construction of a 130-MW solar farm on New Zealand's North Island. The ...



## Energy Sector in New Zealand: Reviewing 2024 and ...

A snapshot of key insights and developments in New Zealand's energy sector in 2024, as well as the trends that will shape the sector in 2025.

## 2025 Industrial Park PV-Storage-Charging Cost & ROI Guide

Modular hardware AI-driven EMS scheduling  
 Policy-aligned project planning Try the 2025  
 Industrial Park PV-Storage-Charging Cost  
 Calculator Enter your rooftop area, ...



## APRIL 2025 New Zealand Research Report

Industrial Taking A Short Breather Over recent years, the industrial sector has been the strongest performing among New Zealand's major commercial sectors. Vacancy rates across the ...

## The Real Cost of Commercial Battery Energy Storage ...

With fluctuating energy prices and the growing urgency of sustainability goals, commercial battery energy storage has become an increasingly attractive energy storage solution for businesses. But what will the ...



## Cost Projections for Utility-Scale Battery Storage: 2023 Update

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration ...

## 5 Risks Shaping New Zealand's Construction Sector ...

Discover what 2025 holds for New Zealand's construction industry with exclusive insights and analysis from BCI's Construction Outlook Report.

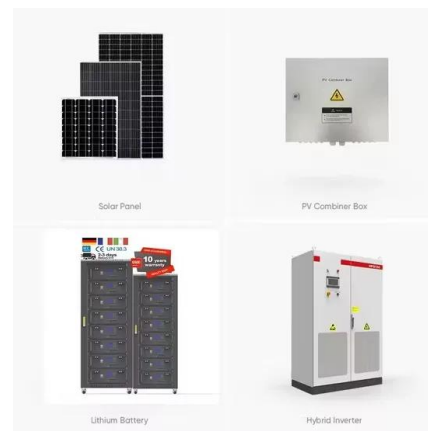


## Building Momentum: New Zealand's Infrastructure Outlook

Discover the key trends transforming New Zealand's infrastructure landscape, from renewable energy innovation to evolving public-private partnerships, offering insights into ...

## The Real Cost of Commercial Battery Energy Storage in 2025

Discover the true cost of commercial battery energy storage systems (ESS) in 2025. GSL Energy breaks down average prices, key cost factors, and why now is the best time ...



## NZ Battery project , Bioenergy Association of New Zealand

New Zealand's 'dry year problem' is when our existing hydro-power catchments don't receive enough rainfall or snowmelt and the level of the storage lakes runs low.

## Meridian Powers up New Zealand's Largest Grid-Scale Battery

Meridian Energy Ltd (NZE:MEL) has successfully installed what is New Zealand's first large-scale grid battery energy storage system (BESS). This innovative facility, ...

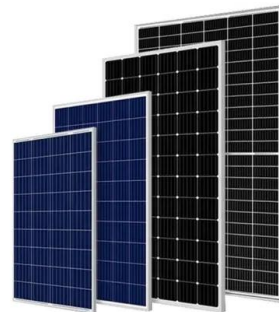


## 2025 Predictions for the Energy Storage Sector ...

As we move into 2025, Convergent is at the forefront of bringing strategic industrial-scale and utility-scale energy storage systems online, reinforcing our commitment to providing more reliable, cost-effective, and ...

## Energy Sector in New Zealand: Reviewing 2024 and Looking to 2025

New Zealand's energy sector experienced the first year of the new Coalition Government's policy workplan in 2024. The Government's legislative focus...



## What Is a Good Gross Yield in New Zealand? [2025]

Wondering what is a good rental yield NZ investors can aim for? Find out where yields are highest and lowest in 2025 so you can make smarter decisions.

## New Zealand Infrastructure Investment Summit 2025

1. What was the Infrastructure Investment Summit 2025? The New Zealand Infrastructure Investment Summit 2025 was held in Auckland on Thursday 13 and Friday 14 March 2025. The ...



## What Is a Good Gross Yield in New Zealand? [2025]

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