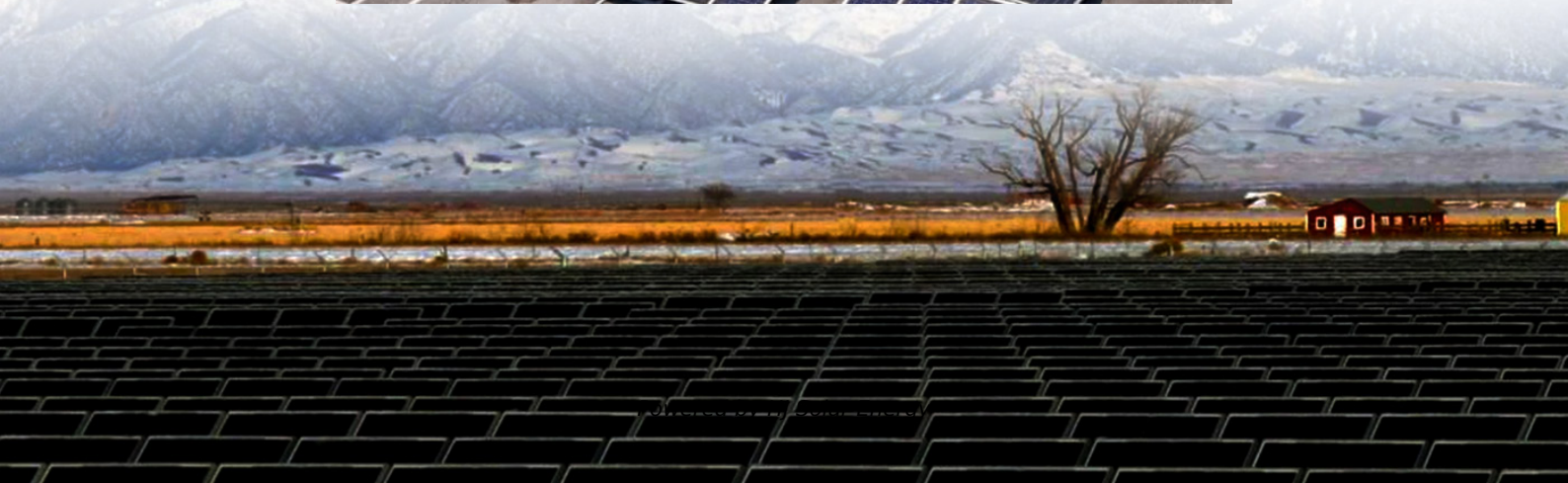


# **Expected ROI of office building energy storage project in New Zealand 2025**





## Overview

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How can we improve New Zealand's energy supply?

Through the use of efficient technologies and processes, we can improve the affordability and reliability of New Zealand's energy supply. Demand management is becoming increasingly important as our electricity demand increases and we transition toward greater use of renewable energy sources.

What is energy return on investment (EROI)?

Energy return on investment (EROI) — The ratio between the amount of energy required to extract or produce fuel and the amount of useful energy this fuel makes available to deliver other services – such as transport, heat or light. The graph below illustrates the EROI of renewable energy sources commonly used in New Zealand.

How will higher construction costs affect new developments in 2020-2021?

Higher rents needed for new builds to stack up Reducing yields largely offset the impact of higher construction costs during 2020-2021. Softer yields and persistently high construction costs mean that higher rents are needed for new developments to be feasible.

How will the OIA reform affect New Zealand energy?

Attracting greater overseas investment continues to play a crucial part in building New Zealand's energy generation and resilience. The proposed OIA reform, in combination with the FTAA, is expected to make investing in New Zealand energy quicker and easier.

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.

Will reducing yields improve the viability of new developments?

Reducing yields largely offset the impact of higher construction costs during 2020-2021. Softer yields and persistently high construction costs mean that higher rents are needed for new developments to be feasible. Some experts perceive that construction costs are now decreasing, which may improve the viability of new developments.



## Expected ROI of office building energy storage project in New Zealand

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### [Solar and Battery Storage Expected to Lead New ...](#)

In total, new solar projects in 2025 are expected to make up more than 50% of the planned added utility-scale electric generation for 2025. Combined with planned battery storage capacity, the share is 81% of total ...

### [Meridian powers up New Zealand's largest grid-scale ...](#)

Meridian Energy Ltd (NZE:MEL) has completed the installation of what it says is New Zealand's first large-scale grid battery energy storage system (BESS), a facility that will provide two hours of storage capacity.



### [Meridian completes 200MWh Ruak?k? BESS in New Zealand](#)

Meridian Energy, a New Zealand state-owned energy company, has completed the development of its 100MW/200MWh 2-hour duration Ruak?k? BESS.

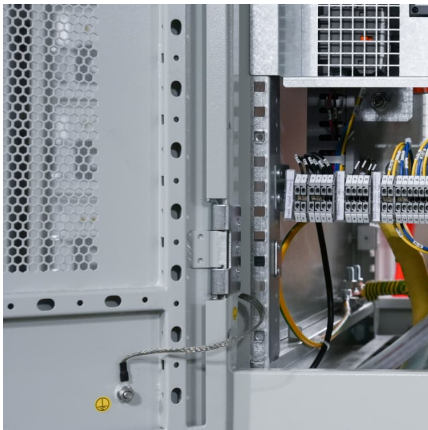


### [New Zealand industrial market update 2025](#)

The latest New Zealand industrial report highlights that while the market remains strong, shifting vacancy levels are creating new dynamics. With limited supply, more occupiers



are exploring ways to secure space and manage rising rents.



### 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 ...

### Energy Sector in New Zealand

We expect 2025 to see the sector making the most of the new frameworks, including the continued push to attract foreign investment to support the transition to a more renewable ...



### [New Zealand office market update 2025](#)

Softer yields and persistently high construction costs mean that higher rents are needed for new developments to be feasible. Some experts perceive that construction costs are now decreasing, which may improve the viability of new ...



## Australia: The 2025 NEM Battery Energy Storage Pipeline Report

Australia has a massive pipeline of grid-scale battery energy storage projects. 16.5 GW of new battery projects could arrive in the NEM in the next 3 years.



## Evaluating energy storage tech revenue potential , McKinsey

The revenue potential of energy storage technologies is often undervalued. Investors could adjust their evaluation approach to get a true estimate.

## 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.



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

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 ...



### Unlocking the potential for batteries to contribute to ...

More grid-scale batteries are on the way As New Zealand electrifies, more grid-scale batteries will support the growing renewable energy supply. Meridian Energy is building a 100MW (200MWh) battery near Ruak?k? ...



### The future of energy in New Zealand

The future of energy in New Zealand With diverse renewable energy options, our country is well-positioned to transition to a sustainable, low-emissions energy system.

### [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.





### **New Zealand's Electrochemical Energy Storage Revolution: ...**

As New Zealand strides toward a sustainable energy future, electrochemical energy storage has emerged as a cornerstone of its energy transition. Here's a comprehensive ...

### **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. ...



### **Biggest generator in New Zealand presses go on first solar farm, ...**

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.

### [Energy storage: 5 trends to watch in 2025. Wood ...](#)

The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of emerging markets, cost and supply chain risk, storage demand growth ...



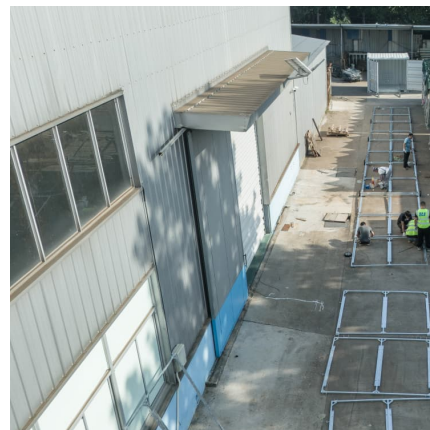
### Solar power in New Zealand

Solar potential of New Zealand Solar panels on a home in Auckland Solar power in New Zealand is increasing in capacity, in part due to price supports created through the emissions trading scheme. As of the end of May 2025, New ...



### Thermal and Electrical Storage Priorities for Residential and

The mission The Building Technologies Office (BTO) conducts research, development, and demonstration activities to accelerate the adoption of technologies and techniques that enable ...



### [New Zealand: 22 renewable projects listed for fast-track](#)

The 22 renewable electricity projects listed for fast-track will help us achieve that ambition and bolster New Zealand's energy security," Mr Brown says. New Zealand: Fast-track projects ...





### [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 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 ...

### **Energy Storage Research , NREL**

Recent News Cooler Buildings, Stronger Grid: A New Approach to Air Conditioning With Built-In Energy Storage Sept. 4, 2025 NREL Modeling Shows Geothermal and Borehole Thermal Energy Storage Can Reliably Heat ...



### **New Zealand Energy Conference 2025 , Energy Research ...**

The New Zealand Energy Conference 2025 is fast approaching - taking place at the University of Auckland on Monday 14 and Tuesday 15 April. We look forward to welcoming ...



### [7 Energy Efficiency Trends for 2025: Powering ...](#)

Discover the latest energy efficiency trends in commercial real estate in 2025, from IoT-enabled sensors to predictive analytics and automation.



### [2025 Predictions for the Energy Storage Sector ...](#)

Energy storage deployment across North America broke records in 2024, driven by falling battery prices, increased system efficiencies, and growing market opportunities. Globally, energy storage deployment increased ...

### **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, ...



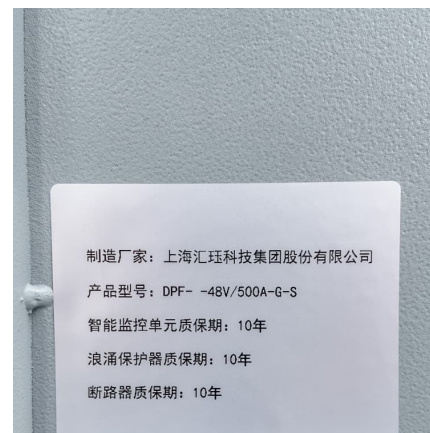


### Biggest generator in New Zealand presses go on first ...

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.

### [New Zealand office market update 2025](#)

New Zealand's office market is at a crossroads as the well-established flight-to-quality is now facing off against tightening belts amidst the fragile economy. Explore the latest trends shaping office leasing, rents, and investment sentiment.



### [Construction League New Zealand 2025](#)

This marks a shift towards a greater emphasis on large-scale, high-value developments. Discover New Zealand's top 10 builders with your free copy of the Construction League! The broader top 50 builders in New Zealand ...



### The future of energy in New Zealand

This video imagines what the future could look like, based on outcomes modelled from our TIMES-NZ New Zealand Energy Scenarios data. This modelling was developed by EECA in partnership with the BusinessNZ Energy Council (BEC) ...



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