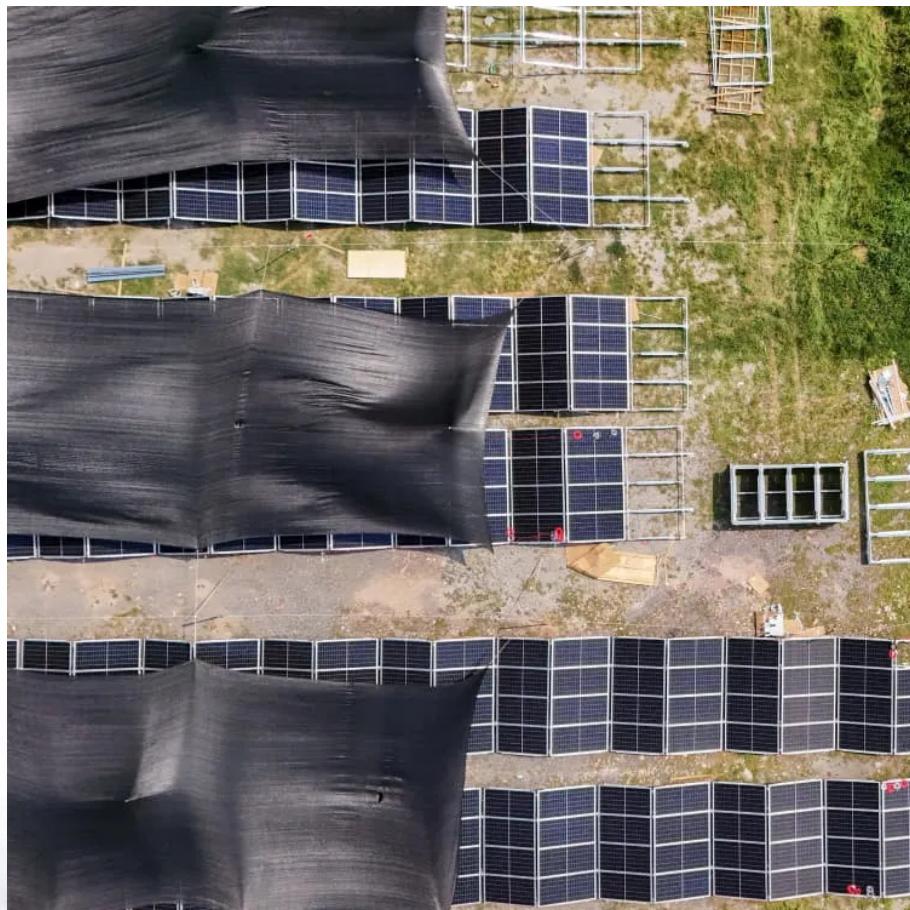




GermanSolarZA

# Investment value of New Zealand energy storage power station





## 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 is New Zealand a good place to invest in renewables?

Structured for growth. Global demand for renewables is skyrocketing, and New Zealand is perfectly positioned to meet it, thanks to our abundance of accessible resources generated by hydro, wind, solar and geothermal.

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).

Why should you invest in New Zealand's energy hubs?

For global industrial players with high energy needs, New Zealand offers a great opportunity to grow in a low-emissions economy, backed by renewable energy sources. Our energy hubs are locations designed to optimise energy use, reduce transmission requirements, and capture economies of scale not available to standalone operations.



## Investment value of New Zealand energy storage power station



### [Meridian completes 200MWh Ruakaka BESS in New Zealand](#)

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

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### **NZ Battery Project**

Phase 1 - Feasibility Study  
Phase 2 - Detailed Business Case, Final Investment Decision  
Phase 3 - Implementation  
Scope and decision-points  
Investigation and evaluation of long-term, large-scale renewable energy storage options, including pumped hydro and a range of other dry year storage solutions. The project explores in detail the feasibility of pumped hydro at Lake Onslow, including geotechnical investigations. Cost: approxi...See more on [mbie.govt.nz](http://mbie.govt.nz)  
New Zealand Trade & Enterprise

### **Renewable energy investment opportunities ...**

New Zealand is well-placed in the Asia-Pacific region, making it a key location for clean energy exports and green hydrogen production. Robust infrastructure and skilled workforce The country has a well-developed ...

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### [The need for energy storage: Firming New Zealand's ...](#)

Context 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 ...

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## **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 ...

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## **How much profit is there in investing in energy storage power stations**

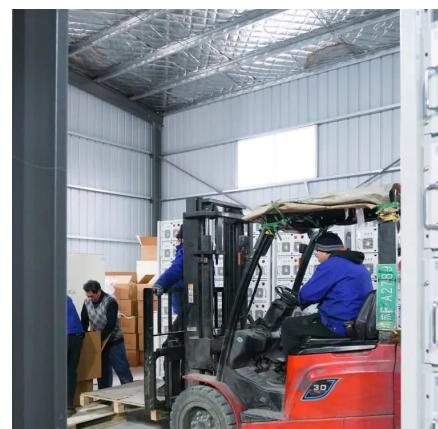
This aspect becomes increasingly pertinent as global warming concerns rise. Therefore, investments in energy storage power stations empower stakeholders to partake in ...

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## [New Zealand welcomes first big battery to national grid](#)

New Zealand's transition to a renewable energy future has taken a significant step forward with the nation's first grid-scale battery energy storage project now offering injectable ...

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### [Investing in New Zealand's renewable energy sector](#)

New Zealand has great impetus to supplement its existing renewable energy resources (these are primarily geothermal and hydropower). This has resulted in a strong ...

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### [Generation investment pipeline , Electricity ...](#)

We educate, monitor and enforce compliance with electricity industry regulations and the Code. We're working with the sector on New Zealand's renewable energy and low-emissions transition. We're responsible for the ...

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### [Generation investment pipeline , Electricity Authority](#)

We educate, monitor and enforce compliance with electricity industry regulations and the Code. We're working with the sector on New Zealand's renewable energy and low-emissions ...

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### [The need for energy storage , KPMG NZ](#)

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 ...

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### **Renewable energy investment opportunities in New Zealand , Invest New**

New Zealand is well-placed in the Asia-Pacific region, making it a key location for clean energy exports and green hydrogen production. Robust infrastructure and skilled workforce The ...

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### [Investing in New Zealand's Renewable Energy Landscape](#)

Energinet - The Danish transmission system operator provides valuable case studies and insights into successful renewable energy projects, including relevant examples ...

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