

New Zealand Site Energy Battery Cabinet Policy

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.

What are the energy storage options in New Zealand?

Over the period 2016-2023 the New Zealand Government investigated options to ensure sufficient energy storage for electricity generation in the event of future low rainfall resulting in inadequate hydro lake storage. (The NZ battery project). The bioenergy options investigated included energy storage from gaseous, liquid and solid biofuels.

Why should we respond to a regulatory roadmap for battery energy storage systems?

We welcome the opportunity to respond to the Electricity Authority (Authority)'s paper on a regulatory roadmap for battery energy storage systems (BESS). BESS will be key in the delivery of a least cost and secure transition in Aotearoa New Zealand, particularly because BESS creates greater demand-side and supply-side flexibility.

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

Battery energy storage systems (BESSs) are the most common new form of ESSs in New Zealand. The Authority is expecting a significant increase in the amount of BESSs connecting to ...

Business case to progress the New Zealand Battery Project to its next phase of work, (published 31 March 2023), PDF, 9.9MB, 429 pages Update on the New Zealand Battery Project - ...

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 ...

The details Location: New Zealand Steel's Glenbrook site in south Auckland Capacity: 100MW (200 MWh) Energy type: Battery storing electricity generated by New Zealand's hydro, ... of battery ...

Energy Resources Aotearoa is New Zealand's peak energy sector advocacy organisation. We represent participants from across the energy system, providing a strategic sector perspective on ...

To update Cabinet on the latest and emerging findings on the New Zealand Battery Project, and to seek decisions to shape the focus of the remainder of Phase 1 of the project.

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Minute of Decision This document contains information for the New Zealand Cabinet. It must be treated in confidence and handled in accordance with any security classification, or other ...

Proposal This paper seeks Cabinet's agreement to progress the New Zealand Battery Project to its next phase of work. propose that work on the option of a pumped hydro scheme at Lake ...

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A regulatory roadmap for battery energy storage systems - consultation We welcome the opportunity to respond to the Electricity Authority (Authority)'s paper on a regulatory roadmap for ...

