

New Zealand Auckland backup power storage policy





Overview

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.

What is the EA's regulatory roadmap for battery energy storage systems?

The Electricity Authority (EA) has released its regulatory roadmap for battery energy storage systems. It is clear that the EA recognises the value of BESS and will continue to enhance the regulatory environment to enable BESS to operate competitively and efficiently as part of the New Zealand's energy mix.

Are battery energy storage systems a good idea?

There are benefits both at the large 'grid scale' end of town and for consumers using an EV or a small battery to manage their household electricity use. The Electricity Authority (EA) has released its regulatory roadmap for battery energy storage systems.

How much money has been invested in battery technology in New Zealand?

At that time, we invested more than \$2 million to understand how battery technologies can play a part in the future of New Zealand's electricity ecosystem. How much power will the BESS project at Whakamaru generate?

It will have a total installed capacity of between 200-300MW.



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Energy Storage

What experience do we have with Battery Energy Storage Systems? We're building on the experience of our pioneering direct grid-connected 1MW/ ...

Best practice guide

Best practice guidance to help homeowners choose, install, and maximise solar PV and battery storage for savings, reliability, and sustainability.

NZ Battery Project

Jun 17, 2024 · The NZ Battery Project was set up in 2020 to explore possible renewable energy storage solutions for when our hydro lakes run low for ...

NZ Battery Project

Jun 17, 2024 · 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 ...

Backup to Backbone: The Electricity Authority's Battery Energy Storage

Jul 21, 2025 · The Electricity Authority (EA) has released its regulatory roadmap for battery energy storage systems. It is clear that the EA recognises the value of BESS and will continue to ...

A regulatory roadmap for battery energy storage systems

Jun 23, 2025 · This transition will create fundamental changes to our power system as New Zealand moves to a more decentralised system where we no longer purely rely on centralised ...

Energy Security Outlook

The Energy Security Outlook (ESO) is a monthly report that helps track how secure New Zealand's electricity supply might be over the next two years. It uses two key tools, the ...

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

Nov 21, 2025 · 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 ...

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

Aug 8, 2025 · New Zealand's electricity system remains heavily dependent on hydro generation, especially in the South Island, where facilities like Manapouri and Clyde dams dominate. ...

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Energy Storage

What experience do we have with Battery Energy Storage Systems? We're building on the experience of our pioneering direct grid-connected 1MW/ 2MWh battery that we piloted at our ...

BATTERY STORAGE IN NEW ZEALAND

Sep 7, 2023 · 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 ...

Standard Number: DZ 8156

Apr 8, 2025 · To address the environmental impact of climate change, many countries (including New Zealand) are implementing policies to improve energy efficiency and reduce reliance on ...

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