

# New Zealand lithium battery energy storage site

Which energy company is building New Zealand's first grid-connected battery energy storage system?

Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakōkō on North Island. Paris, January 10, 2023 ? Saft, a subsidiary of TotalEnergies, has been awarded a major contract by Meridian Energy to construct New Zealand's first large-scale grid-connected BESS.

Will New Zealand invest in battery energy storage systems?

The Electricity Authority Te Mana Hiko has published a draft two-year roadmap that sets out our work to support investment in battery energy storage systems (BESS). BESS will become increasingly important in the future as New Zealand's power system relies on more intermittent and variable generation. Work set out in the roadmap includes:

Where is a new energy storage system being built in New Zealand?

The project will be developed at the Huntly Power Station, New Zealand's largest thermal power station. Image: Genesis Energy. Genesis Energy, a listed New Zealand generation, wholesale, and retail energy company, has started constructing a 100MW/200MWh battery energy storage system (BESS) on the country's North Island.

How does a lithium ion battery work in New Zealand?

How it works The lithium-ion batteries (similar technology to those used in EVs and laptops) will store electricity generated by New Zealand's hydro, geothermal and wind power stations when there is low demand. Without this storage this electricity would otherwise go to waste.

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.

Is Genesis Energy building a battery energy storage system in New Zealand?

Image: Genesis Energy. Genesis Energy, a listed New Zealand generation, wholesale, and retail energy company, has started constructing a 100MW/200MWh battery energy storage system (BESS) on the country's North Island. The company confirmed it had kicked off construction of the BESS on 5 June.

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Historical Data and Forecast of New Zealand Residential Lithium Ion Battery Energy Storage Systems Market Revenues & Volume By Lithium Nickel Manganese Cobalt (NMC) for the ?

Secondly, lithium battery customization can meet the power requirements of different application scenarios. Different application scenarios have greatly different requirements for power output. ?

Jun 24, 2025 The Electricity Authority Te Mana Hiko has published a draft two-year roadmap that sets out our work to support investment in battery energy storage systems (BESS). BESS ?

May 23, 2025 Meridian anticipates that the BESS will generate annual revenues of up to US\$35 million. Image: Meridian Energy. Meridian Energy, a New Zealand state-owned energy ?

3 Day Dispatch Power Your Off-Grid Lifestyle with the NZ Lithium 48V 314AH Battery Discover the ultimate power solution for off-grid living, tiny homes, and family baches with the NZ ?

Jun 8, 2025 The current BESS is considered the first phase of this ambitious plan. Once operational, the BESS will mark Saft's third utility-scale project in the New Zealand market. ?

Jun 6, 2025 The project will be developed at the Huntly Power Station, New Zealand's largest thermal power station. Image: Genesis Energy. Genesis Energy, a listed New Zealand ?

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. ?

May 23, 2025 Construction and commissioning of the Ruak?k? battery energy storage system (BESS) on New Zealand's North Island is complete, with the site expected to reach full ?

Jan 18, 2025 This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their ?

Jan 10, 2023 Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruak?k? on North Island Saft lithium-ion technology will ?

May 23, 2025 Construction of the 100 MW / 200 MWh Meridian Energy Ruak?k? battery energy storage system on New Zealand's North Island is now complete.

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May 28, 2025 New Zealand has completed its first industrial-scale energy storage installation ? the Ruak?k? Battery Energy Storage System (BESS) with a capacity of 100 MW and 200 ?

Phase 1 ? Feasibility StudyPhase 2 ? Detailed Business Case, Final Investment DecisionPhase 3 ? ImplementationScope and decision-pointsInvestigation 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/pv magazine](https://www.mbie.govt.nz/pv-magazine) AustraliaNew Zealand gentailer completes 100 MW ?May 23, 2025 Construction of the 100 MW / 200 MWh Meridian Energy Ruak?k? battery energy storage system on New Zealand"s North Island is ?

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