



# Stabl battery New Zealand

How much does a battery cost in New Zealand?

The mean charging spot price was \$123/MWh and the median was \$132/MWh. As New Zealand electrifies, more grid-scale batteries will support the growing renewable energy supply. Meridian Energy is building a 100MW (200MWh) battery near Ruakaka in sunny Northland. This battery is expected to be commissioned in September 2024.

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.

Who is STABL energy?

STABL Energy is an experienced provider of battery storage solutions in Germany, Austria and Switzerland. STABL Energy is expanding its footprint into new international markets for battery storage solutions. We develop and plan our storage systems in close collaboration with reliable and competent partners.

Can large-scale battery storage help balance New Zealand's grid?

Transmission system operator Transpower also published studies in 2017 that showed the potential value of large-scale battery storage for balancing New Zealand's grid and in 2019 that showed the potential value of distributed storage.

Can 'non-hydroelectric energy storage' be a viable option in New Zealand?

As mentioned above, while New Zealand boasts large hydropower capacity, dry years due to low snowmelt or rainfall can leave hydroelectric unavailable for long periods. A government-supported project, NZ Battery, will investigate the feasibility of "non-hydroelectric energy storage options".

What is STABL technology?

Instead of switching the entire voltage of a high-voltage pack, STABL technology generates the AC voltage by dynamically connecting and disconnecting low-voltage battery modules. Another advantage of STABL technology is the significantly lower Total Harmonic Distortion (THD) before filtering.

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WEL Networks and Infratec are pleased to announce that they have entered into major contracts for the supply and build of New Zealand's largest battery storage facility. The project will play a pivotal role in the reduction of emissions in the Waikato and will support New Zealand's Net Zero goal of becoming 100% renewable by 2030.



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that in the absence of fossil fuelled-thermal plants, New Zealand needs an alternative form of large-scale dispatchable renewable energy to meet demand when the market is under stress from lower-than-average hydrological inflows;

We are a team of experts in battery technology and power electronics with experience in companies such as Tesla, BMW and Siemens. Since our foundation in 2019, our goal has been to increase the use of renewable energy with the help of energy storage systems.

The Saft battery division of French energy and petroleum multinational TotalEnergies will supply 70 of its containerized Intensium Shift+ battery energy storage systems (BESS) to form a 100 MW/200 MWh project on New Zealand's North Island.

June 2022 update on the New Zealand Battery Project - Minute of Decision [PDF 134KB] New Zealand Battery Project - progressing to the next phase - Cabinet Paper [PDF 288KB]

Construction will commence in New Zealand on the country's biggest battery energy storage system (BESS) project so far in July this year, with the 35MW system expected to be commissioned in December.

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Electric power distribution company WEL Networks and developer Infratec have launched their grid-connected battery energy storage system (BESS) in New Zealand. The two companies said last Friday (20 October) that their 35MW/35MWh project, in the Waikato region of New Zealand's Upper North Island, has entered the commissioning phase.

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