

ContainerPower Energy Solutions

Total investment in New Zealand hybrid energy storage projects



Overview

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.

Where is New Zealand's first grid-connected battery energy storage system located?

Meridian Energy has completed construction of New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakākā, with an official opening ceremony scheduled for later today.

How many investment projects are there in New Zealand?

There is also a list of 145 investment projects which have been publicly announced (as at June 2024), with information on each project's status. Projects range in size from 1MW to 1000MW and are predominantly wind and solar, but also geothermal, hydro and battery. They are geographically spread, but mostly in the North Island to match demand.

Why is New Zealand transitioning to a highly renewable electricity system?

New Zealand is transitioning to a highly renewable electricity system. This change will require increased and accelerated investment in new electricity generation to match demand growth and the retirement of thermal power plants.

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.

Does New Zealand need flexible thermal generation?

e 1: Modelled 2035 thermal generation for the Renewable push scenario To deliver the flexible generation required, New Zealand needs a solution that can balance the trilemma of security, affordability, and environmental impact. An optimal solution would: Have sufficient storage capacity to be able to cover

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