

Average utility scale ESS price per 1MW in New Zealand

What is the levelised cost of electricity comparison tool?

The Interactive Levelised Cost of Electricity Comparison Tool ranks the projects from lowest to highest LCOE and the resulting curve is a simplified representation of the long-run marginal electricity generation costs in New Zealand.

How much does electricity cost in Auckland?

Auckland's electricity costs, while substantial, actually fare better than several other regions in New Zealand. For context, Kerikeri residents face the highest national rates at \$3,222 per year, while Westport households pay approximately \$3,221 annually.

How much does electricity cost in Christchurch?

Christchurch, by comparison, enjoys rates 23% lower than Auckland's North Shore, with average annual bills of \$2,213 (comparison of electricity costs). The region's electricity demand reached peak levels of 5,260 MW during winter 2025, putting significant pressure on grid infrastructure.

What is the levelised cost of electricity generation (LCOE)?

The graph ranks the projects from lowest to highest levelised cost of electricity generation (LCOE). If lower cost plants are built first, the majority of new build generation is wind. The graph shows a situation where the levelised cost of electricity generation (LCOE) of wind ranges from \$54 per MWh to \$70 per MWh.

How much does electricity cost in Kerikeri & Westport?

For context, Kerikeri residents face the highest national rates at \$3,222 per year, while Westport households pay approximately \$3,221 annually. Christchurch, by comparison, enjoys rates 23% lower than Auckland's North Shore, with average annual bills of \$2,213 (comparison of electricity costs).

How has the electricity landscape changed in Auckland?

The electricity landscape in Auckland has undergone significant changes, with households facing a consistent 3% annual price escalation trend (annual price increase in NZ).

Prices are presented in units typical for each fuel (such as cents/litre for petrol and diesel or cents/kWh for electricity) and are displayed on a calendar year basis in both real (adjusted for inflation) and nominal terms for all available years.

Base year costs for utility-scale battery energy storage systems (BESS) are based on a bottom-up cost model using the data and methodology for utility-scale BESS in (Ramasamy et al., 2021). The bottom-up BESS model accounts for ...



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New Zealand's First Utility Scale Battery Energy Storage System (BESS) Gains Traction 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 ...



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