

## A-Core Container

# New Zealand home energy storage production



## Overview

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Why is fuel storage important in New Zealand?

The choice of fuel used for storage is critical for security, price stability and environmental impact. There is value in New Zealand having diversity for its storage solutions, as seen by the impact of the lack of gas in Winter 2024. Working with every facet of the energy industry, to help clients respond to business issues and trends.

Is solar PV a viable option for New Zealand households?

This is the first study in New Zealand to use detailed and high-quality data for both solar supply and residential demand. It shows solar PV is likely to be financially viable for a significant proportion of New Zealand households, particularly for those who consume a lot of energy.

Can New Zealand increase renewable supply from solar?

With solar PV installed at just 68,000 of the more than 2,000,000 ICPs, mainly residential, New Zealand has plenty of remaining potential to increase renewable supply from our solar resource.<sup>2</sup> EECA has investigated commercial solar in depth previously (Miller and Gretton, 2021).

What is a total primary energy supply in New Zealand?

Total primary energy supply: The total amount of energy available for use in New Zealand, accounting for domestic production and trade. Total final consumption: Energy consumed by end-users such as factories and businesses. The share of renewables in total primary energy supply fell slightly, down 0.7 percentage points to 42.8 per cent.

Where does New Zealand's energy come from?

Meanwhile, Energy Resources Aotearoa, a New Zealand-based energy company, notes that renewable energy sources provide 82% of the country's electricity mix and around 40% of its primary energy. The other 60% of New

Zealand's energy comes from oil (32%), natural gas (21%) and a small amount of coal.

Why is New Zealand's energy sector in turmoil?

Image: Far North Solar Farm. Last month, the New Zealand energy sector was sent into turmoil with wholesale pricing spikes due to a shortage of gas and low rain and inflows into the country's vast hydropower network.

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