



# Expected ROI of rooftop solar storage project in New Zealand 2025

Will a solar rooftop system reduce electricity prices in NZ?

Based on the Australian experience, we estimate modest subsidies for the capital cost of installing solar rooftop systems would add the equivalent of 700 megawatts a year (2 percent of the total) to the electricity supply. This significant new supply will reduce electricity prices. NZ's energy advantage

How long does a home solar system last in NZ?

Most home solar systems in NZ pay off in less than 10 years, which means you still get 20 or more years of free energy and freedom from price hikes and blackouts. Check out this image below showing how the cost of your grid power is distributed across five different categories.

Should New Zealand add rooftop solar?

NZ's energy advantage New Zealand is in the enviable position of already having abundant hydro power capacity. But with increasingly uncertain rainfall due to changing climate patterns, adding widely distributed rooftop solar would mean the country was less vulnerable to lower lake levels.

How many rooftop solar panels are there in New Zealand?

There is about 200 MW of rooftop solar on residential buildings across New Zealand. The rest is commercial and industrial solar installations, where the business uses some or all of the solar generation on site. Any leftover generation is fed into the distribution network for other businesses and households to use.

Will rooftop solar be a major source of electricity in Australia?

The European Commission has adopted policies to double rooftop solar over the next four years. Australia's energy market operator expects rooftop solar (which already supplies almost three times as much electricity annually as gas generators do) will become the dominant source of electricity supply over the next two decades.

Why is solar power important in New Zealand?

"Solar power is playing an increasingly important role in increasing electricity generation in New Zealand. It will help us reach our renewable energy targets and bolster the security and affordability of our energy supply," says Energy Minister Simon Watts.

To recap the key differences between solar and grid power, solar power is virtually free once you have paid off the equipment needed for harnessing sunshine. Most ...

Discover the remarkable return on investment (ROI) of solar panels and how they can save the planet and your wallet. By harnessing the power of the sun, homeowners can generate clean, renewable energy that ...



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Solar energy, a growing part of NSW's energy mix NSW is a leader in the development of large-scale solar projects. These solar farms support jobs and investment in regional NSW, help to diversify the State's energy mix and drive ...

Let's raise the roof! ?? Customers with solar and batteries need to be seen as a critical part of our 21st Century energy system and academics from Auckland University of Technology agree, ...

As New Zealand strides toward a sustainable energy future, electrochemical energy storage has emerged as a cornerstone of its energy transition. Here's a comprehensive analysis of the market ...

The average New Zealand household uses about 22 kilowatt-hours of electricity per day. To generate this amount of energy from sunlight would take 45 square metres of PV panels on your roof, which will usually ...

Discover the payback and ROI of commercial solar panels. Learn how commercial solar panels can save you money and provide a high return on investment.

Market Growth and Business Potential Accelerated Expansion: In FY 2025, India installed around 5.15 GW of rooftop solar, while utility-scale projects added another 17.4 GW. Growth Outlook: ...

This blog dives into key market trends that will shape the solar industry in 2025, helping you stay informed and prepared for what's ahead.

A snapshot of key insights and developments in New Zealand's energy sector in 2024, as well as the trends that will shape the sector in 2025.

The Cost of a Solar Power System in 2025 in NZThe average cost of a solar power system in 2025 is projected to be between \$15,000 and \$25,000 for a typical residential installation, ...

In total, new solar projects in 2025 are expected to make up more than 50% of the planned added utility-scale electric generation for 2025. Combined with planned battery ...

Disseminated on behalf of SolarBank Corporation. According to EIA's latest Preliminary Monthly Electric Generator Inventory report, the U.S. power grid is expected to add 63 gigawatts (GW) of new utility-scale electric ...

With strategic investments and cross-sector collaboration, electrochemical storage will anchor New Zealand's clean energy future, ensuring its landscapes remain pristine while powering...

One of the largest rooftop solar installations yet rolled out in New Zealand is nearing completion with a PV system comprising almost 2,500 panels and weighing more than 74,000 kilograms being bolted onto the roof



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Concept Consulting's modelling shows that without thermal generation from the Rankine units as part of New Zealand's energy storage solution, wholesale electricity prices would likely be 60% ...

The paper modelled wind and solar generation at all weather stations throughout the country, and estimated that even with all of these generators installed, solar generation would be below 10 percent of installed ...

Background Residential solar systems and battery storage are expected to play an increasingly important role in New Zealand's energy future, aligning with EECA's renewables energy ...

The Harmony Energy New Zealand (NZ) and First Renewables joint venture (JV) have approved the final investment and successfully completed financial close on the 202 ...

What is clear is that New Zealand is on track to renewable energy resilience by combining their proven reserves of hydropower with wind, solar, and batteries.

Lion's East Auckland brewery is adding a 2,424-panel rooftop system expected to generate 14.4 percent of the site's energy needs. With a payback period under seven years, it's a standout ...

This research analyses how variabilities such as solar resource, electricity costs and storage options impact the value of solar for New Zealand households.

An indepth study by EECA that aimed to show "where and under what conditions does investing in solar PV make sense?" has shown that rooftop solar "is likely to be financially viable for a ...

Battery installations with rooftop solar In Q1 2025, over 7,200 batteries were installed alongside rooftop solar systems across Australia. New South Wales led with 2,379 installations, followed ...

JMK Research projects 21.2 GW of new solar capacity addition in FY 2025. This will comprise 16.5 GW of utility-scale, 4 GW rooftop, and 700 MW off-grid installations.

Meridian Energy will begin construction of its 120MW Ruakaka Solar Farm in Tai Tokerau Northland, New Zealand, in August 2025.

The unbiased best practice guidance is intended to inform homeowners and installers on the technology, functionality, performance, and installation of solar photovoltaics ...

New Zealand's huge hydro storage advantage means photovoltaics, particularly rooftop systems, can unlock real benefits for customers. This could mean shifting the ...



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For the second consecutive quarter in 2025 Australia has seen weaker investment in new renewable energy and storage projects, following subdued investor confidence ...

The price of solar power systems has decreased dramatically over the last few years, now making it a great investment earning you a high ROI.

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