

Title: New zealand energy independence

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This report has benchmarked New Zealand's energy sector against 15 countries over 14 quantitative metrics covering the three pillars of the energy trilemma: security, sustainability and affordability.

Explore how energy is generated in New Zealand, the role of renewable energy, and how it can be used more efficiently to power our country now -- and into the future.

OverviewEnergy consumptionClimate and energy policiesEnergy supplyGovernmental jurisdictionFurther readingExternal linksIn 2021, New Zealand's Total Final Consumption (TFC) of energy amounted to 559.8 petajoules (PJ), marking a 7% rise since 2011. The allocation of this consumption across various sectors of the economy was as follows: the industry sector was responsible for 42%, transport for 36%, and buildings for 22%. In terms of energy intensity, New Zealand is just a little lower than the global average. Electrical energy in New Zealand is mainly derived from renewable energy sources such as from hydr...

Discover how Aotearoa New Zealand can secure its energy future - unlocking growth, resilience, and sustainability through firmed renewable power across the full energy system.

New Zealand is a net importer of energy but has a high degree of energy independence with a self-sufficiency index of 73% in 2023. While it exports coal, gas (in the form of methanol) and oil, ...

With its unique resource base, New Zealand is a success story for the development of renewable energy without government subsidies. Geographically isolated, the country has also developed robust ...

In this paper we have explored two areas which can support the decarbonisation of our energy system and Aotearoa New Zealand, helping to lift prosperity through providing potentially low-cost (relative) ...

The large share of renewable energy sources makes New Zealand one of the most sustainable countries in terms of energy generation. Electricity demand increased by an average of 2.1% per ...

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