

What percentage of Finland's energy supply is based on fossil fuels?

In 2021, fossil fuels covered 36% of Finland's total energy supply (TES), the second-lowest share among IEA countries and much lower than the IEA average of 70%. Finland has no domestic fossil fuel production and all supplies of crude oil, natural gas and coal are imported.

How much electricity is produced in Finland in 2023?

Domestic power generation increased by 13 per cent in 2023 and was 78 TWh (69 TWh in 2022). Nuclear power production increased by 35 per cent and its share was 42 per cent of power production in Finland. About 52 percent of electricity was produced from renewable energy sources in Finland.

What kind of energy does Finland use?

Finland has no domestic fossil fuel production and all supplies of crude oil, natural gas and coal are imported. The energy intensity of the economy and energy consumption per capita are both very high due to the country's relatively large heavy industry sector and the high heating demand from its cold climate.

Does Finland rely on fossil fuels?

Thanks to its nuclear reactors and large domestic production of renewable energy (mainly forestry solid biomass as well as generation from hydro and wind), Finland has one of the lowest levels of reliance on fossil fuels among IEA member countries.

How much energy will Finland use in 2022?

According to Finland's NECP, renewables are expected to account for at least 51% of the country's final energy consumption in 2030 (of which 30% for transport), compared to 42% in 2022 (of which 40% for electricity, 53% for heating, and 20.5% in transport).

What is Finland's Energy Policy?

Finland's energy policy is focused on reducing the use of gas, especially following the cut-off of gas supplies from the Russian Federation (hereafter "Russia"), formerly Finland's main supplier.

Thanks to the progress Finland has made on its clean energy transition, the country has the second lowest share of fossil fuels in its energy supply among IEA members. It is also reducing its reliance on Russian energy imports and ensuring energy security by increasing imports from other countries, raising domestic renewable energy production ...

Outlook in November 2023 the total available generation capacity in the market during the peak load situation in winter period 2023 - 2024 is about 12,800 MW. The highest hourly load in 2023 was 13,200 MWh/h. The Energy Authority has also estimated that the interconnector capacity

The ongoing global green transition fundamentally touches the energy and infrastructure sectors, including in Finland. The shift towards cleaner energy production and energy efficiency, along with supportive infrastructure, presents significant investment opportunities.

The Finland energy market report provides expert analysis of the energy market situation in Finland. The report includes energy updated data and graphs around all the energy sectors in ...

Finland has managed to retain part of its energy-intensive industry by electrifying its processes and improving energy efficiency. Fossil hydrogen has been replaced with hydrogen produced using clean electricity in its traditional applications, such as the production of liquid fuels and nitrogen fertilisers.

The Finland Renewable Energy Market is experiencing steady growth, driven by the government's commitment to increasing the share of renewable energy in the country's overall energy mix. The market is witnessing significant investments in renewable energy projects, including wind farms, solar power plants, and biomass facilities.

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Finland plans to achieve carbon neutrality by maintaining a high share of nuclear energy, increasing electricity generation and heat production from renewables, improving energy efficiency, and electrifying most energy demand across the economy.

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