

Why is Finland a good place to buy electricity?

An balanced production mix has also guaranteed that the price of electricity and district heat in Finland is among the lowest in Europe, taking into account purchasing power. Finnish energy power plants and electricity and district heating networks are constantly maintained and renewed, and therefore outages or disruptions are rare.

Does Finland have a nuclear power plant?

As part of the energy transition Finland has been replacing electricity generation from fossil fuels with nuclear power and renewables. Wind power in particular has grown to be a significant part of electricity generation. A fifth nuclear reactor, Olkiluoto 3 was commissioned in 2023 and increased nuclear power generation by over 50%.

What is Finland's energy consumption?

Finland's per capita energy consumption is notably high, driven by its heavy industry sector and significant heating requirements due to its cold climate. In 2021, the industrial sector was the primary consumer of energy, accounting for 52% of Total Final Consumption (TFC)--above the International Energy Agency (IEA) average of 36%.

How much electricity does Finland import a year?

From 2010 to 2021, Finland, a net electricity importer, experienced annual import levels ranging from 11 to 20 terawatt-hours (TWh), or 14% to 31% of its electricity supply. Initially, the majority of imports came from Russia, averaging 88% from 2005 to 2011.

What is the fastest growing source of electricity in Finland?

Wind power in Finland has been the fastest growing source of electricity in recent years. In 2023, Finland covered 18.2% of the yearly electricity demand with wind power production, which was 18.5% of the domestic production. Wind capacity was up 1.3 GW from the previous year and wind production up 25%.

What is Finland's Energy Policy?

Finland's approach includes nuclear energy, more renewables for electricity and heat, improved energy efficiency, and economy-wide electrification. After Russia's 2022 invasion of Ukraine, Finland moved to cut Russian energy imports, which previously comprised 81% of crude oil, 75% of natural gas, and 19% of electricity imports in 2021.

The electricity sector in Finland relies on nuclear power, renewable energy, cogeneration and electricity import from neighboring countries. Finland has the highest per-capita electricity consumption in the EU. [1] Co-generation of heat and electricity for industry process heat and district heating is common.

Energy in Finland describes energy and electricity production, consumption and import in Finland. Energy policy of Finland describes the politics of Finland related to energy. Electricity sector in Finland is the main article regarding electricity in Finland.

Finnish energy power plants and electricity and district heating networks are constantly maintained and renewed, and therefore outages or disruptions are rare. Finland has made decisions on energy with a strong emphasis on climate and the environment. Finnish energy industry works for sustainable energy generation with as low emissions as possible.

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