

What percentage of Finland's energy is renewable?

Renewable energy in Finland increased from 34% of the total final energy consumption (TFEC) in 2011 to 48% by the end of 2021, primarily driven by bioenergy (38%), hydroelectric power (6.1%), and wind energy (3.3%). In 2021, renewables covered 53% of heating and cooling, 39% of electricity generation, and 20% of the transport sector.

What is the future of nuclear energy in Finland?

Nuclear amounted to 33% of total electricity generation in 2021, and this figure is expected to rise to more than 40% with the planned start of commercial operations at the Olkiluoto 3 reactor in 2023- the first new nuclear plant in Europe in 15 years. Finland is also a global leader in nuclear waste management and disposal.

What is Finland's energy mix?

The emphasis in Finland's energy mix has been on renewable sources like biomass, hydro, and wind power. These measures are part of Finland's efforts to decrease energy intensity and improve energy security.

Who produces the most electricity in Finland?

The largest electricity producers in Finland are Fortum, the state energy company, Pohjolan Voima, the energy company owned by major industries, Teollisuuden Voima, the industry-owned nuclear power company, Helsingin Energia, the power company of Helsinki City, and Vattenfall, the largest energy company of Sweden.

How much solar power does Finland have in 2022?

In 2022, Finland's solar power capacity grew by over 60 percent, yet it remains a minor component of the country's overall power generation. The PV capacity of Finland was (2006) 4.1 MW p. Solar power in Finland was (1993-1999) 1 GWh, (2000-2004) 2 GWh and (2005) 3 GWh.

What are Finland's energy goals?

With regard to renewables, the EU goals aim to a share of 38% of final energy consumption in Finland by 2020, compared to 28.5% in 2005 and a previous national goal of 31% by 2020. The national long-term vision aims at halting the growth of final energy consumption on one hand, and increasing the share of renewables on the other hand.

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