Finland renewable energy growth

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Electricity produced with renewable energy sources totalled arecord amount of 34.7 TWh. Renewable energysources covered more than one-half of Finland’s electricityproduction: 52 %. The growth was mainly caused by increasedproduction of hydro power. Forty-five per cent of renewableelectricity was produced with hydro power, 23 per cent with windpower and almost all the rest with wood-based fuels. Thirty-fourper cent of electricity was produced with nuclear power, 14 percent with fossil fuels and peat.

The amount of electricity produced with fossil fuels decreasedby 20 per cent and that of electricity produced with peat by 29 percent from the previous year. The amount of electricity producedwith hard coal decreased by as much as 44 per cent. The amount ofelectricity produced with natural gas increased slightly(3.6%).

In 2020, the production of electricity with renewable fuelsamounted to 10.9 TWh, of which 6.0 TWh were produced with blackliquor and 4.3 TWh with other wood-based fuels. Correspondingly,9.3 TWh of electricity was produced with fossil fuels and peat,which is 2.6 TWh less than in 2019.

The statistics on the production of electricity and heat coverthe entire production of electricity connected to the grid. Thestatistics also include the production of solar electricity andsmall CHP, which are systems partly outside the grid. From 2015onwards, the statistics also cover small heat plants, that is,nearly all production of district heat. The statistics do not coverall industrial heat and producers of so-called local heating.

Official Statistics of Finland (OSF):Production of electricity and heat [e-publication].ISSN=1798-5099. 2020. Helsinki: Statistics Finland [referred: 30.11.2024].Access method:

Statistics Finland has published an information package, Energy in Finland 2022. The publication contains key statistical data on the field of energy presented as tables, graphs and infographics.

The Energy in Finland publication contains data on total energy consumption, renewable energy sources, electricity, heating, industry, transport and greenhouse gas emissions. In the publication, Finland"s data are compared internationally especially with the EU"s data and energy and climate objectives.

The publication contains plenty of infographics by topic. The infographics highlight interesting changes in different phenomena and data on the largest consumption sectors or key production modes.

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