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Title: Latvian solar power generation power system

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Does Latvia have solar energy?

So far, however, the development of solar energy in the country has been rather limited. According to Latvia's grid-operator Sadales tīkls AS, which is a subsidiary of Latvenergo, there was just 1.3 MW of renewable energy power installed under net metering at the end of 2016.

What is the main source of renewable electricity in Latvia?

Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power in Latvia grew over 3.1 times to 6.7% of total electricity, becoming the third-largest source, while wind reached a record 38 GWh and hydropower, despite a 16% drop, still provided 54%.

Who is responsible for the energy transition in Latvia?

Local authorities are responsible for municipal energy supply and renewable energy projects, with Latvia's energy transition guided by the National Energy and Climate Plan and the Energy Strategy 2050.

How much energy does Latvia use?

Primary energy use in Latvia was 49 TWh, or 22 TWh per million persons in 2009. In 2018, electricity consumption per capita was 3731 kWh. Latvia has adopted the EU target to produce 50% of its energy from renewable sources by 2030. The 2021-30 plan set a target of reducing greenhouse gas emissions by 65% compared to 1990.

Renewable energy includes wind, solar, biomass and geothermal energy sources. Almost half of the electricity used in the country is provided by renewable energy sources.

From 1 January 2023 Latvia banned the import of natural gas from Russia. The replacement comes from connections to LNG terminals, the Klaipėda LNG terminal in Lithuania, and from 2024 the recently opened Inkoo LNG terminal in Finland. JSC Conexus Baltic Grid is the natural gas transmission system operator in Latvia. International transmission pipelines are 577 km long, consisting of the Riga-Pahneva, Pleskava-Riga, Izbors...

Last year Latvia's installed solar power generation capacity grew rapidly to 661 megawatts (MW). The amount of energy produced at these plants tripled to 400 gigawatt ...

Of the 300 MW, about 53% were micro-generation plants, and the rest were solar power plants. Microgeneration saw its biggest breakthrough in 2022, but 2023 has become a ...

Provisional Central Statistical Bureau (CSB) data published on 2 July show that electricity generation from solar power grew 2.2 times year-on-year, reaching 536 GWh in ...

In Latvia, renewable energy sources account for a significant portion of the country's electricity generation, with a target of 57% by ...

The amount of solar electricity produced and transferred to the grid in Latvia has tripled over the past year, according to the electricity market review prepared by the Latvian ...

In Latvia, renewable energy sources account for a significant portion of the country's electricity generation, with a target of 57% by 2030 [1]. Hydroelectric power is the ...

Latvia is moving forward on its renewable energy goals with plans for two major solar parks. The larger of the two, a 229-megawatt (MW) solar power facility developed by ...

The integration of vRES into the Latvian system allows to reduce fossil-fueled generation and import needs from neighboring countries, as shown by the results from the generation-demand ...

Ignitis Renewables, an international green energy company, has completed its first solar project in Latvia where Varme solar farm, located in the Kuldiga municipality, has ...

Our purpose with this page is to illustrate phenomenon in the electricity system and provide insight into the work in our real control room. If you have other requirements for electricity ...

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