

Title: Renewable electricity latvia

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Can Latvia provide a cheapest energy mix?

However, the goal for all scenarios is the same - to provide the cheapest available energy mix for Latvian citizens and businesses. The baseline scenario for 2050 foresees an energy resource portfolio dominated by renewable energy sources, particularly biogas, wind, and solar energy, which will reduce the use of fossil fuels.

Will electricity be the cornerstone of Latvia's energy transition?

Electricity will be the cornerstone of Latvia's energy transition. Latvia's hydro-dominated electricity system provides a favourable starting point to use clean electricity to decarbonise other economic sectors and meet the target of 57% renewables in total final consumption by 2030.

Does Latvia have a good energy infrastructure?

Generally, Latvia has good results in ensuring Energy sustainability, affordability and security. However, the current geopolitical situation, especially Russia's invasion of Ukraine, underscores the importance of cybersecurity and digital innovation in energy infrastructure.

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%.

Highly renewable energy mix: Latvia consistently ranks among Europe's leaders in renewable energy use, with major growth in wind, solar and bioenergy. Strategic location for regional energy ...

Central Statistical Bureau data show that compared to 2020 gross consumption¹ of renewable energy resources² (renewables) in Latvia rose by 11.2 % or 8.3 petajoules (PJ) in 2024. ...

This paper discusses strategies to modernize Latvia's electricity sector, focusing on deeper integration with the EU electricity grid. Based on the Latvian Energy Strategy 2050, which ...

"Latvia's push for renewable energy, highlighted by projects like the "Elwind," is bringing in fresh investment



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and boosting our energy independence. These efforts are paving the way for Latvia to ...

In 2024, renewable energy sources accounted for 47.5% of gross electricity consumption in the EU, indicating a 2.1 percentage points (pp) increase from 2023. It has almost tripled (+30 pp) ...

As Latvia continues its transition toward sustainable energy, several pivotal initiatives and regulatory changes are shaping the country's energy sector in Q1 2025. You might like: 2025 Q1 Energy news ...

The electricity sector is dominated by renewables, but more decarbonisation is needed in other sectors. Latvia has already made inroads on the share of renewable energy in its fuel mix, with ...

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 main source of ...

Central Statistical Bureau data published on 10 September show that compared to 2020, gross consumption& nbsp;of renewable energy resources& nbsp;(renewables) in Latvia rose by ...

This national company aims to boost renewable energy, create long-term value, and benefit Latvian citizens and businesses. It plans to build wind farms with at least 800 MW capacity by ...

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