

Which energy sources are used in Latvia?

Latvia has underground gas storage facilities at the Incukalna UGS, with a capacity of 4.47 billion m<sup>3</sup>. Natural gas companies include Latvijas Gaze. 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.

What is Latvia's energy demand?

Latvia's energy demand is dominated by an ageing building stock, which accounts for nearly half of total final consumption, with residential buildings alone accounting for a third of total consumption.

How much electricity does Latvia use per capita?

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. There is a target of being carbon neutral by 2050.

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.

How much of Latvia's energy is generated by renewables?

The Strategy 2030 raised this share to 50% in 2030 (same as in the NECP), including 7% in transport (of which 3.5% by advanced biofuels). By 2030, Latvia aims to generate more than 60% of its electricity and 58% of its heat from renewables.

Is biomass a source of electricity in Latvia?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. Latvia: How much of the country's electricity comes from nuclear power? Nuclear power - alongside renewables - is a low-carbon source of electricity.

Latvia Key issues Improper functioning of the wholesale electricity market is the key issue for the power sector, along ... Latvian national gross final energy consumption in 2012 amounted to 4.538 Mtoe<sup>310</sup>. The energy ... Latvia joined the regional Scandinavian - Baltic Nord Pool Spot market for electricity contracting in June 2013. However ...

Latvia: Energy intensity: how much energy does it use per unit of GDP? Click to open interactive version. Energy is a large contributor to CO<sub>2</sub> - the burning of fossil fuels accounts for around three-quarters of global greenhouse gas emissions. So, reducing energy consumption can inevitably help to reduce emissions.

This Energy Policy Review was prepared in partnership between the Government of Latvia and the IEA. It draws on the IEA's extensive knowledge and the inputs of expert peers from IEA member countries to assess Latvia's most pressing energy sector challenges and provide recommendations on how to address them, backed by international best ...

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Latvia's 2020 National Renewable Actions Plan targets a 40% share of energy generated from renewable sources in gross final energy consumption, 53% of heat consumption met by renewable sources and 60% of electricity demand met by electricity generate

Development to date Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, supplemented by wind, solar, and biomass. While natural gas imports cover energy shortages, the country aims to increase wind and solar energy capacity, with significant progress already made in 2022. Country is ...

From 1 January 2023 Latvia banned the import of natural gas from Russia. The replacement comes from connections to LNG terminals, the Klaipeda 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...

Latvia has set its national energy efficiency contribution for 2030 at 4.3 Mtoe of primary energy consumption, which has been converted into final energy consumption of 3.6 Mtoe. The proposed target could be considered of low ambition for primary energy consumption and of modest ambition for final energy consumption, considering the level of ...

Latvia's energy transition is poised for renewed momentum. The IEA peer review of Latvia took place 18-25 September as part of Latvia's accession to the IEA. It came at an opportune time for Latvia, which is in the process of updating its ...

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. The main renewable resource is hydroelectric power. Latvia has laws that regulate the building of power plants and plans to sell electricity at higher prices. This is a stimulus for investment, especially taking into ...

Latvia Total Energy Consumption. Energy consumption per capita is 2.2 toe, including 3 400 kWh of electricity, i.e. around 21% below the EU average (2023). Graph: CONSUMPTION TRENDS BY ENERGY SOURCE (Mtoe) Total energy consumption has been decreasing by 2%/year since 2018, to 4.3 Mtoe in 2023,

after fluctuating around 4.3 Mtoe between 2011 and ...

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