

Green electricity estonia



Overview

Estonia's renewable energy sector marked a major milestone in 2024, attracting €244 million in investments from the European Bank for Reconstruction and Development (EBRD). This funding is fueling key solar and wind power projects designed to accelerate the nation's green transition. In 2025, Estonia's electricity consumption reveals a mixed energy landscape. More than a third of the country's electricity needs are met through net imports, which indicates a significant reliance on external sources. [5] In response to geopolitical tensions, Estonia reduced its reliance on Russian. Estonia has quietly abandoned its legally mandated goal of generating as much renewable electricity as the country consumes. While the official target for 2030 remains unchanged, in reality, it will not be met by the deadline — or in the foreseeable future. Nearly three years ago, at the end of. Renewables are an increasingly important source of energy as countries seek to reduce their CO2 emissions and dependence on imported fossil fuels. Photo: Mailiis Ollino In the first quarter, Estonian power plants produced 941 gigawatt-hours of renewable electricity, marking an increase by 17 percent compared to the same period last year, and more than half of Estonia's. In a year when greenhouse gas emissions rose across much of the European Union, Estonia managed to buck the trend. It joins Denmark, Finland, Sweden.

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[Estonia Electricity Generation Mix 2025 , Low-Carbon ...](#)

Estonia's electricity mix includes 18% Oil, 16% Wind and 14% Solar. Low-carbon generation peaked in 2024.

[Renewable electricity covers one third of consumption in Estonia](#)

Renewable electricity accounted for 39 percent of total electricity consumption in Estonia in the first quarter of 2025, up eight percentage points from the previous year. Renewable sources ...



[Green Energy Feasibility in Estonia , EUChicago](#)

Estonia has in the past been heavily dependant on an ecologically harmful and unsustainable form of energy-oil shale. However, in recent years, thanks in part to its harnessing of wind power, Estonia ...

[Estonia sets its sights on 100% renewable energy by 2030](#)

Estonia's legislative framework underscores its commitment to renewable energy, with laws mandating that 100% of electricity consumption be sourced from renewables by 2030, alongside a target of 69% ...



Energy in Estonia

According to the International Energy Agency 's (IEA) 2023 Energy Review Policy, Estonia's energy strategy aims to achieve climate neutrality by 2050. One of the primary objectives outlined is the ...

Energy in Estonia

Overview
Energy plan and targets
Energy security
Energy types
Electricity
Transport sector

The National Energy and Climate Plan published in 2019 aims to reduce greenhouse gas emissions by 70% by 2030 and by 80% by 2050. Renewable energy must be at least 42%, with a target of 16 TWh in 2030. The plan was changed in October 2022, when Estonia set a target date of 2030 to generate 100% electricity from renewables.



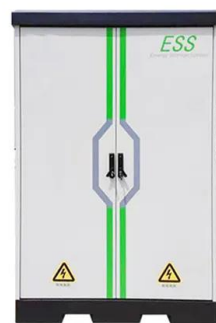
[Estonia quietly quitting 100 percent renewable energy target](#)

Estonia has quietly abandoned its legally mandated goal of generating as much renewable electricity as the country consumes. While the official target for 2030 remains unchanged, ...



[Estonia's Renewable Energy Boom: 2024 Investments & Projects](#)

Discover how EUR244M in 2024 is fueling Estonia's renewable energy sector. Learn about key solar and wind projects driving the nation's goal for 100% clean electricity by 2030.



[Estonia among the greenest EU countries in 2025](#)

Combined with the recent synchronisation of the Baltic grid with continental Europe, these measures underline Estonia's determination to replace shale oil with clean energy while ...

[Green transition trends and scenarios in Estonia](#)

Many of the technologies needed for the green transition are still in the development phase. Different trends in technological development are competing for resources available for the green transition, ...



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