

# Estonia's three major power stations



## Overview

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What is the power system in Estonia?

The Estonian power system consists of oil shale fired power plants in North-East Estonia, combined heat and power plant near Tallinn, wind parks, and hydro plants. The Estonian power grid is connected to Russian and Latvian ones, as well as to the Nordic grid (via two maritime cables).

How much electricity does Estonia produce?

Estonia has an electric power plant capacity of 2,722 MWe. The great bulk of the electricity is currently produced by Eesti Energia, the state-owned electric company. In 1996 Eesti Energia produced 8,967 GWh of electricity, of which 5,528 GWh was used domestically and 1,100 GWh was exported.

What is the energy situation in Estonia?

An Energy Overview of the Republic of Estonia. Some very small hydroelectric power plants (all much less than 1 MWe in capacity) exist in Estonia; total hydroelectric generating capacity is slightly over 1 MWe and annual hydroelectric power production is only about 4 million kilowatt-hours (kwh).

What is the largest power plant in Estonia?

The largest power complex in the country, Narva Power Plants, consists of the world's two largest oil shale -fired thermal power plants. The complex used to generate about 95% of total power production in Estonia in 2007. Falling to 86% in 2016 and 73% in 2018.

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### Power Plants in Estonia (Map) , database.earth

Power Plants in Estonia Estonia has 17 utility-scale power plants in operation, with a total capacity of 2541.9 MW.

## Estonia

Electricity is primarily used for heating, cooling, lighting, cooking and to power devices, appliances and industrial equipment. Further electrification of end-uses, especially ...



### Power system , Elering



Eesti elektrisüsteem Estonian electricity system The Estonian electricity system belongs to the large synchronously operating Continental Europe Synchronous Area, which ...

## Report: Estonia needs 1,000 megawatts worth ...

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Estonia's electricity supply is secure this winter, but major shortfalls loom unless new power plants are built soon, TSO Elering warns.



## Utilities -- Invest in Estonia

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## Energy Overview of Estonia

Oil Shale Oil shale (Kukersite) has been a major source of energy in Estonia for many decades, and is Estonia's primary mineral resource. Estonia accounts for about 70% of ...



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### The Electric Power System

Composes yearly action plan for ensuring security of supply Cooperates with system operators of neighboring power systems Prepares and monitors the fulfilling of action ...

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### ENERGY PROFILE Estonia

Onshore wind: Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area ...



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