

A-Core Container

Slovenia Erku Wind and Solar Energy Storage Power Station



Overview

Where does Slovenia's electricity come from?

Roughly one-third of Slovenia's electricity comes from hydroelectric sources, one-third from thermal sources, and one-third from nuclear power (with non-hydro renewables constituting two percent of the total). Almost half of Slovenia's total energy consumption consists of imported petroleum purchased on global markets.

How many hydropower plants will Slovenia have by 2045?

Another pumped storage hydropower plant is seen by 2045. It would be able to generate 180 MW and store 2.6 GWh. The Integrated National Energy and Climate Plan envisages an overall 500 MW in gas power plants in Slovenia by the end of the decade.

How many coal-fired thermal power plants are in Slovenia?

Slovenia currently operates one coal-fired thermal power plant – the 600 MW Thermal Power Plant Šoštanj sixth unit (TEŠ), which came into operation in 2014. In January 2022, Slovenian government adopted a national strategy to phase out coal by 2033, adopting a more ambitious timeline than was initially considered.

Is nuclear energy the future of Slovenia's energy mix?

In July 2021, following Parliament's approval of Slovenia's long-term climate strategy, the Ministry of Infrastructure issued the energy permit for the second reactor at Krško nuclear power plant, sending a strong signal on the future role of nuclear energy in Slovenia's energy mix.

Will Slovenia build a second nuclear power plant?

Slovenia aims to decide by 2028 whether it will build its second nuclear power plant. The government is targeting a 55.4% share of renewables in electricity, 45.2% in heating and cooling and 25.8% in transportation, according to the

updated NECP for 2030.

Does Slovenske Elektrarne own electricity?

While the gas and oil markets have made progress toward privatization, electricity production remains largely in state hands. The holding Slovenske Elektrarne (HSE) owns and manages a series of electricity production plants, primarily hydropower and the thermal power plant Šoštanj.

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