

What are Romania's energy plans?

Nonetheless, Romania has ambitious plans for its energy sector. They include completing two additional nuclear reactors at the Cernavoda power plant and paving the way for a new type of nuclear technology - small modular reactors.

What is the energy sector like in Romania?

Romania's energy sector is key to its evolving economy and security policy. It has a diverse energy mix, including coal, natural gas, nuclear, hydroelectric, and renewable sources. The largest share of electricity production historically came from coal and natural gas, followed by hydroelectric and nuclear power.

Can Romania provide energy support to Ukraine?

In theory, Romania can also provide energy support to Ukraine (especially if Russia continues to target the country's energy infrastructure), although it is not able to meet all its neighbour's energy needs.

Who produces electricity in Romania?

State-owned enterprises such as Nuclearelectrica, Hidroelectrica, Termoelectrica, Hunedoara Energy Complex (CEH), and Oltenia Energy Complex (CEO) are the primary producers of power. According to the National Energy Regulatory Agency (ANRE), the energy output in Romania in 2022 was 53 TWh (terawatt-hour), while imports were 5.9 TWh.

How many power plants are in Romania?

The main electricity generation plants are state-owned: Cernavoda Nuclear Power Plant, 208 hydropower and pumping plants, and six coal-fired power plants. In June 2023, Romania produced 4.412 TWh of electricity.

Transmission of Energy

Who manages the electricity transmission system in Romania?

The electricity transmission system in Romania and the interconnection system with its neighboring countries is managed and operated by Transelectrica SA company (the Romanian TSO). They also manage the market operation, the grid and market infrastructure development, and the security of the national energy transmission system.

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