

What is energy in Romania?

Energy in Romania describes energy and electricity production, consumption and import in Romania. Romania has significant oil and gas reserves, substantial coal deposits and it has considerable installed hydroelectric power. However, Romania imports oil and gas from Russia and other countries.

Who produces electricity in Romania?

Electric power was provided by the Romanian Electric Power Corporation (CONEL). Energy sources used in electric power generation consisted primarily of nuclear, coal, oil, and liquefied natural gas (LNG). The country has two nuclear reactors, located at Cernavoda, generating about 18-20% of the country's electricity production.

Is Romania a net energy importer?

Romania is a net energy importer (net imports covered 32% of its total consumption in 2022) and the Government aims to reverse that dependence. The Romania energy market report provides expert analysis of the energy market situation in Romania. The report includes energy updated data and graphs around all the energy sectors in Romania.

Who regulates the energy sector in Romania?

ANRE, the Romanian National Energy Regulatory Authority, regulates the electricity and gas sectors. Since 2010, it is also in charge of energy efficiency policies. According to Transgaz, gas consumption should decline until 2030, stabilise until 2040 and decline again until 2050, as new nuclear and renewable capacities should reduce gas demand.

How much investment does Romania need to achieve the energy strategy?

Investment needs to achieve the objectives of the Romanian Energy Strategy are estimated as EUR 127 billion overall from 2021 to 2030 (annually around 6% of current GDP), mostly in energy demand sectors. The use of Union level funding sources such as cohesion policy or the Modernisation Fund is not yet specified.

What percentage of Romania's energy consumption is renewable?

Romania targets 31% of renewables in its final energy consumption in 2030. Most power generation is 100% state-owned. Romgaz and OMV Petrom account for 90% of the gas production and dominate the wholesale market. Production covers 90% of the gas consumption and 93% of lignite consumption (2022).

Romania targets 34% of renewables in its final energy consumption in 2030 and plans to phase out lignite by 2032. Most power generation is 100% state-owned. PPC became the second largest electricity distributor in 2023 by taking over Enel's assets.

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS).

Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided

According to its draft revised NECP (2023), Romania aims to cut its GHG emissions by 78% in 2030 compared to 1990 to less than 50 MtCO₂eq, thanks to massive reductions in the energy sector (-87%), industry (-77%), and agriculture (-47%), while increasing GHG removals by 17% and limiting the increase in emissions from transport to 41%.

Considering Romania's potential stated in the draft plan of becoming an important player in achieving the EU 2030 energy efficiency targets, the ambition level of the foreseen contributions in the draft plan also appears very low. The right to establish its own energy mix and the objective of maintaining its current diversity and

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