

Why is wind energy important in Portugal?

Wind energy remains a crucial component of Portugal's electricity production, accounting for 25% of the total. Meanwhile, the rapid expansion of hydroelectric and solar energy capacity is helping Portugal meet growing energy demands in a sustainable way.

How many GWh of electricity is produced in Portugal?

Between January 1st and May 31st of 2023, 18,751 GWh of electricity were generated from Continental Portugal, from which 73.2% came from natural resources (sources (30.5% wind, 28.30% hydro, 7.6% bioenergy and 6.8% solar). Other sources include: Natural Gas (15.9%), Fossil CHP (4.7%), and Pumped Storage (6.2%).

Will offshore wind power reduce Portugal's energy dependence?

The Portuguese Minister of Environment and Climate Action Duarte Cordeiro claimed that developing hydrogen and offshore wind power will allow the country to reduce its energy dependence.

Is there nuclear energy production in Portugal?

There is no nuclear energy production in Portugal. While Portugal has one research reactor, it has been without nuclear fuel since early 2019 and will be decommissioned. No nuclear energy activities are planned in the future in Portugal, according to the European Nuclear Safety Regulators Group.

How much energy does Portugal import from Russia?

With the invasion of Ukraine by Russia, most of Europe has fallen into disarray trying to mitigate an energy crisis. However, while the majority coming into the EU came from Russia, Portugal only imports 5% of its energy from the country. Nevertheless, this brought to light that Portugal relies heavily on imported energy.

Portugal's new ambitious national energy and climate plan for 2030 and roadmap to carbon neutrality by 2050 targets at least 80% of electricity production coming from renewables and to further decarbonize the energy sector.

Energy in Portugal describes energy and electricity production, consumption and import in Portugal. Energy policy of Portugal will describe the politics of Portugal related to energy more in detail. Electricity sector in Portugal is the main article of electricity in Portugal. In 2000, 85% of energy was imported. In 2021 the last coal fired power station...

Portugal is solidifying its position as a European leader in renewable energy, making significant strides toward a greener future. In 2023, renewable sources accounted for 61% of the country's electricity consumption, a remarkable achievement driven by favorable weather conditions, technological advancements, and heavy investments in wind ...

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

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REN Data Hub aggregates and makes available the relevant information about energy in Portugal and documents the transformation of the energy sector towards the decarbonization of the economy.



Piq energy Portugal

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