

## May: Portugal among the European countries with the highest renewable incorporation

- In the month preceding the blackout of April 28, national electricity production increased by over 20%.
- In the case of renewable production, it reached 75.8% in May, totaling 3,179 GWh in mainland Portugal.
- In the accumulated year, Portugal is the 3rd country in Europe with the highest share of renewables, with 81% integration between January and May.
- The average price of electricity in MIBEL was 61.12 €/MWh, with 1,171 hours in which renewable generation fully met consumption.
- Installed renewable capacity grew by 8,807 MW since 2015, with an emphasis on solar photovoltaic.

**Lisbon, 11<sup>th</sup> June 2025** – The [Renewable Electricity Bulletin](#) prepared by [The Portuguese Renewable Energy Association \(APREN\)](#), reveals that during the month of May, **75.8% of the electricity produced in mainland Portugal came from renewable sources, totaling 3,179 GWh**. The month following the Iberian blackout on April 28 also brought a **20.6%** increase in national electricity generation compared to May of last year. Highlighting the podium of production, are hydropower with 36.3% of production, wind power with 17.5%, and solar power with 16.6%.

In the accumulated period from January to May, renewable incorporation was 81.0%, placing Portugal as the third country in Europe (among the analysed markets) with the highest share of clean sources in electricity production, behind only Norway (97.4%) and Denmark (85.2%). At a European level, hydropower was the most significant renewable technology, followed by onshore wind and solar, which continues to gain relevance.

During the first five months of the year, renewable production avoided the emission of 4.9 MtCO<sub>2</sub>eq. The electricity production sector emitted a total of 0.99 MtCO<sub>2</sub>eq, with an average value of 43.9 gCO<sub>2</sub>-eq/kWh. The average price of CO<sub>2</sub> in the European Emissions Trading System (ETS) was set at €70.9/tCO<sub>2</sub>, an increase of 12.9% compared to the previous year.

In terms of prices, between January and May, the average hourly price recorded in MIBEL in Portugal was €61.12/MWh. There were 1,171 non-consecutive hours in which renewable generation was sufficient to fully meet electricity consumption in mainland Portugal, with an average price of €57.8/MWh during those hours.

By the end of May, Portugal recorded an electricity import balance of 1,437 GWh, resulting from 4,006 GWh imported and 2,569 GWh exported. In the month under analysis, the value of imports accounted for 6.6% of national electricity consumption.



The production in special regime (PSR) – mainly composed of renewable sources – allowed for an accumulated savings of **3,951 million euros** between January 1 and May 31, 2025, through the merit order in the wholesale market.

**Pedro Amaral Jorge, CEO at APREN**, emphasises that “The data clearly show how renewables are essential, not only for reducing emissions, but also for making our economy more competitive. With increased investments in networks, storage, and flexibility. Portugal has everything to take an even more prominent position in the energy transition at the European level.”

Since 2015, installed renewable capacity has grown by 8,807 MW (+71.7%). Between December 2024 and April 2025 alone, this increase was 323 MW, with an emphasis on photovoltaic solar energy, which registered a growth of 186 MW in the centralized component and 198 MW in the decentralized component. In May, renewable capacity accounted for approximately 78.3% of the total installed capacity in Portugal.

APREN emphasises the urgency of creating market conditions that value the strategic contribution of renewables and accelerate the energy transition, ensuring security, independence, and sustainability of the national electricity system.

The complete bulletin is available at the following [link](#).

#### About APREN:



The Portuguese Renewable Energy Association (APREN) is a non-profit association founded in October 1988. Its mission is to coordinate and represent the common interests of its members, promoting renewables energies in the electricity field. APREN works together with official bodies and other similar entities, at national and international level, constituting an instrument of participation in energy and environmental policies through the use and valorization of natural resources for electricity production, namely in the fields of hydro, wind, solar, geothermal, biomass, biogas and urban solid waste.