red eléctrica
A Redeia company

Press Release

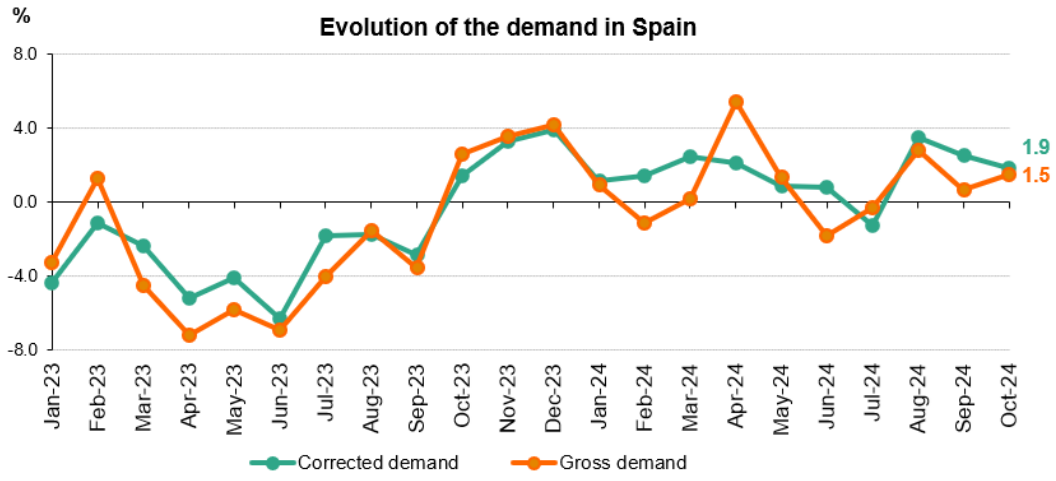
Electricity demand in Spain increases by 1.9% in October

During this October, renewable energy generation increased by 15.4% compared to the same period last year, accounting for 55.9% of the monthly energy mix.

Wind energy leads the generation structure, producing 26.3% of the total national energy recorded in October.

Madrid, 05 November 2024

National electricity demand rose by 1.9% in October compared to the same month last year, after adjusting for the effects of temperature and working patterns. This represents an estimated gross demand of 20,135 GWh, 1.5% higher than in October 2023.



In the first ten months of 2024, Spain recorded a total demand of 205,703 GWh, 0.9% higher than in the same period of 2023. After adjusting for the effects of working patterns and temperatures, demand was 1.5% higher compared to the same period of the previous year.

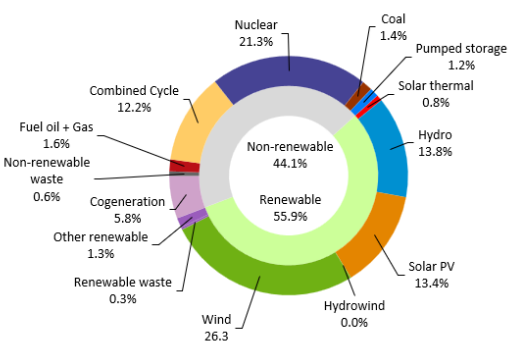
This October, renewables generated 12,079 GWh, 15.4% more than in October 2023, and accounted for 55.9% of the total. 78.1% of the electricity produced was generated without emitting any CO_2 equivalent.

gabinetedeprensa@ree.es
www.ree.es > Press Office
Tel. 91 453 33 33 / 32 81 - 91 728 62 17

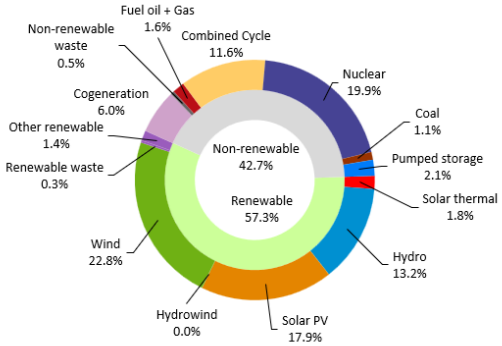
redeia

The leading source of electricity generation for the month was wind power, with a share of 26.3%, followed by nuclear (21.3%), hydroelectric power generation (13.8%), and solar photovoltaic, which contributed 13.4% of the total. This month, solar photovoltaic energy increased generation by over 9% compared to October 2023. Hydroelectric power generation also rose, and specifically more than doubled, (this can be explained by the increased rainfall compared to the previous year.

Generation mix in the month of October 2024



Generation mix from January to October 2024



Demand in the Peninsula increased by 2%

Peninsular demand was 2% higher than in October 2023, after factoring in the effects of working patterns and temperatures. In gross terms, demand this month was 18,812 GWh, 1.7% higher than in the same month last year.

From January to October this year, aggregate demand ~~i~~on the Peninsula stood at 192,855 GWh, 1% higher than that recorded in 2023. After adjusting for the effects of working patterns and temperatures, demand was 1.6% compared to the same period of the previous year.

Total generation from renewable energy on the Peninsula in October was 14.9% higher than in October 2023, reaching 11,875 GWh, with a share of 58.1% of total national production. Emission-free technologies accounted for 81.7% of the total.

Peninsular generation structure mainland for October was also led by wind power, which accounted for 27.2% of the total, followed by nuclear (22.6%) and hydroelectric power generation (14.5%).

The electricity system in the Balearic and Canary Islands

In the Balearic Islands, electricity demand in October was 3.7% higher than in the same month in 2023, after considering the effects of working hours and temperatures. Gross demand is estimated at 508,417 MWh, 2.6% higher than in October last year. From January to October

gabinetedeprensa@ree.es
www.ree.es > Press Office
Tel. 91 453 33 33 / 32 81 - 91 728 62 17

2024, gross demand in the Balearic Islands is estimated at 5,197,559 MWh, 0.3% less than in the same period of 2023.

In terms of generation, the combined cycle, which accounted for 67.1% of the energy produced in the Balearic Islands, was the leading source this month. Meanwhile, renewable energy generation in the Balearic Islands accounted for 13.7% of the total. Renewable generation in the Balearic Islands grew by 13.2% in October compared to the same month last year.

Additionally, this October, the submarine link between the Peninsula and Mallorca helped cover 28.5% of the Balearic Islands' electricity demand.

Meanwhile, in the Canary Islands' electricity demand fell by 2% compared to the same month in 2023, after adjusting for the effects of working patterns and temperatures. Gross demand was 779,499 MWh, representing a 3% decrease. In the first ten months of 2024, demand in the Canary Islands was estimated at 7,318,855 MWh, 0.4% higher than in the same period of 2023.

In terms of electricity generation in the Canary Islands, the combined cycle, at 47.4% of the total, was also the leading source in October. Renewables accounted for 19.8% of electricity generation, producing 154,422 MWh, 73.6% more than in October 2023. Wind energy contributed 15.6% to the total this month, achieving a 109.9% increase compared to its electricity generation in October 2023.

Please see our *Daily balance report* for further information on the national, peninsular, Balearic Islands, and Canary Islands' electricity systems up to the end of October.

gabinetedeprensa@ree.es
www.ree.es > Press Office
Tel. 91 453 33 33 / 32 81 - 91 728 62 17