

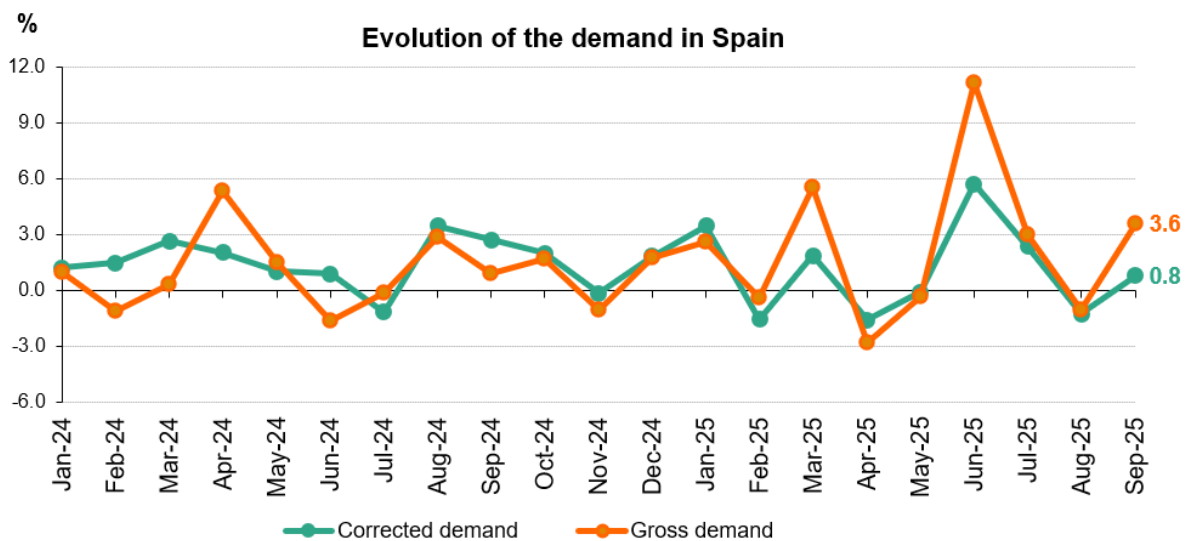


## Spain's electricity demand increases by 0.8% in September

In September, 53.3% of our country's electricity generation was renewable, with solar photovoltaic leading the mix for the fifth consecutive month.

Madrid, 02 October 2025

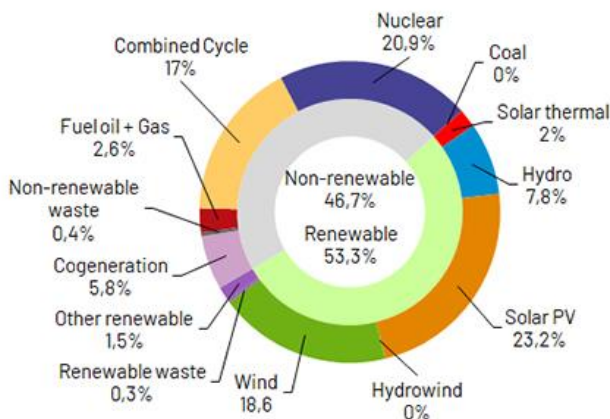
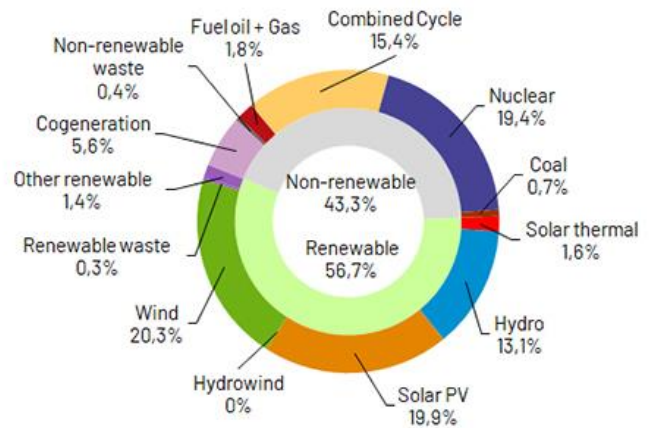
National electricity demand saw a 0.8% increase in September compared to the same month last year, after adjusting for the effects of temperatures and working patterns. This represents an estimated gross demand of 20,657 GWh, marking a 3.6% increase compared to September 2024.



In the first nine months of 2025, Spain recorded a demand of 191,466 GWh, 2.4% more than in the same period of 2024. Once again, after adjusting for the effects of working patterns and temperatures, demand increased by 1.1% compared to the same period of the previous year.

This September, renewables generated 1.9% more than in the same month of 2024, reaching 11,558 GWh. According to data available today, this represented a 53.3% share of the total national generation mix. Moreover, this month, 74.2% of electricity generation came from technologies that do not emit CO<sub>2</sub> equivalent.

For the fifth consecutive month, solar photovoltaic was our country's leading source of generation, with a 23.2% share. It was followed by nuclear power with 20.9% of the total, wind power with 18.6%, and combined cycle with 17%.

**Generation mix In the month of September 2025**

**Generation mix from January to September 2025**


In September, storage technologies enabled the integration of 804 GWh of electricity into the Spanish electricity system, helping optimise the use of renewable electricity generation. Additionally, 675 GWh of electricity were scheduled for export to neighbouring countries.

### The electricity system in the Balearic and Canary Islands

In the Balearic Islands, electricity demand in September increased by 6.3% when adjusting for the effects of working patterns and temperatures, and gross demand for the month is estimated at 606,027 MWh—8.7% higher than the previous year.

Up to the end of September 2025, electricity demand in the Balearic Islands totalled 4,917,853 MWh, a 4.2% increase compared to the same period last year.

Regarding electricity generation, combined cycle plants accounted for 64.1% of the energy produced in the archipelago, making them the primary source of electricity in the region. Meanwhile, renewable energy generation in the Balearic Islands accounted for 14% of the total. Renewable electricity generation in the Balearic Islands grew by 4.6% compared to the same month last year.

Additionally, this September, the submarine link between the Peninsula and Mallorca helped cover 27.5% of the Balearic Islands' electricity demand.

Meanwhile, in the Canary Islands, electricity demand rose by 3.5% compared to the same month in 2024, after adjusting for the effects of working patterns and temperatures. This represents an estimated gross demand of 783,243 MWh, marking a 5.1% increase compared to September 2024.

So far in 2025, total demand in the Canary Islands has reached 6,669,275 MWh, which is 0.9% higher than in the same period of the previous year.



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In terms of electricity generation in the Canary Islands, combined cycle, at 41% of the total, was the leading source in September. Renewables reached a 26% share of generation with 203,865 MWh, marking a 7.4% increase compared to the same month in 2024. Wind power contributed 21.1% to the generation mix, while solar photovoltaic accounted for 4.7% of the total.

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For more statistical information about the electricity system, visit our Data section on the website.

[Access the data](#)