red eléctrica
A Redeia company

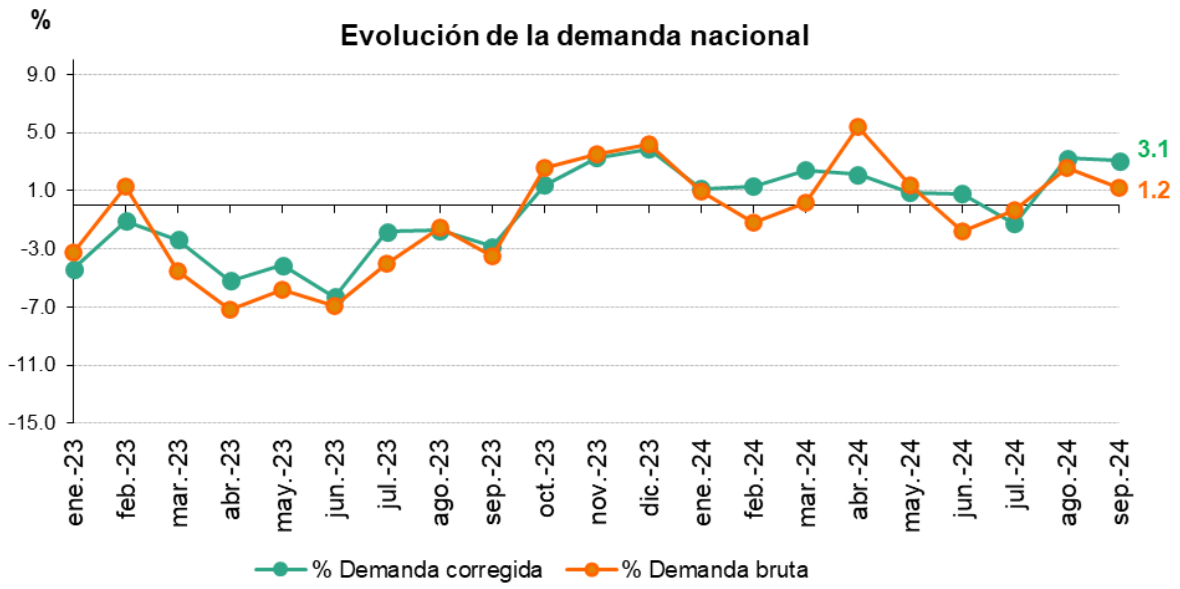
Press Release

Electricity demand in Spain increases by 3.1% in September

In September, renewable energy generated 33% more than in the same period last year, accounting for 53% of the monthly mix.

Madrid, 2 October 2024

Domestic electricity demand rose by 3.1% in September compared to the same month last year, after adjusting for the effects of temperature and working patterns. This represents an estimated gross demand of 19,831 GWh, 1.2% higher than in September 2023.



In the first nine months of 2024, Spain recorded an aggregate demand of 185,599 GWh, 0.9% more 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.

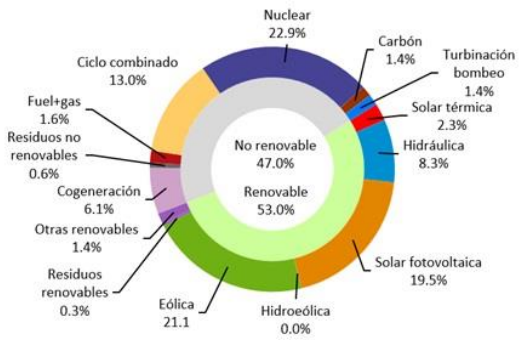
This September, renewables produced 11,513 GWh, a 33% increase compared to the same month in 2023, and reached a share of 53% of the total, while 77% of the electricity was produced without emitting CO_2 equivalent.

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

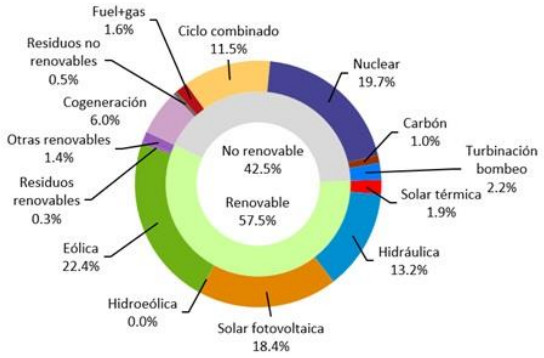
redeia

The leading source of production for the month was nuclear energy, which constituted 22.9% of the total, followed by wind power, which increased its generation by 27.6% compared to September 2023, reaching a share of 21.1%. Solar photovoltaic energy, which experienced a growth of 25.6%, was the third largest source for the month, contributing 19.5% to the mix.

Estructura de la generación de septiembre de 2024



Estructura de la generación de enero a septiembre de 2024



Demand in the Peninsula increased by 3.3%

Peninsular demand was 3.2% higher than in September 2023, after factoring in the effects of working patterns and temperatures. In gross terms, demand this month was 18,486 GWh, 1.3% higher than in the same month last year.

From January to September this year, aggregate demand in the Peninsula was 174,055 GWh, 0.9% higher than that recorded in 2023. After adjusting for the effects of working patterns and temperatures, demand was 1.5% compared to the same period in the previous year.

Peninsular renewables as a whole generated 32.9% more this September than in September 2023, reaching 11,265 GWh, which accounted for 54.9% of the total national production structure. Emission-free technologies accounted for 80.3% of the total.

The peninsular generation structure in September was also led by nuclear energy, which was responsible for 24.2% of the total, followed by wind power with 21.6% and solar photovoltaic energy with 20.2%.

The electricity system in the Balearic and Canary Islands

In the Balearic Islands, electricity demand in September was 0.1% higher than in the same month in 2023, after considering the effects of working hours and temperatures. Gross

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

demand is estimated at 562,009 MWh, 0.8% less than in September last year. From January to September 2024, gross demand in the Balearic Islands is estimated at 4,696,360 MWh, 0.4% less than in the same period of 2023.

In terms of generation, combined cycle, which accounted for 65.3% of the energy produced in the Balearic Islands, was the leading source this month. Meanwhile, renewable energy generated in the Balearic Islands represented 15.1% of the total. Renewable production in the Balearic Islands grew by 34.6% in September compared to the same month last year.

Additionally, this September, the submarine link between the Peninsula and Mallorca helped cover 28.8% of the Balearic Islands' electricity demand.

Meanwhile, in the Canary Islands, electricity demand grew by 0.4% compared to the same month in 2023, adjusting for the effects of working patterns and temperatures. Gross demand was 745,626 MWh, representing a 0.1% increase. In the first nine months of 2024, demand in the Canary Islands was estimated at 6,548,841 MWh, 1% more than in the same period of 2023.

In terms of electricity generation in the Canary Islands, combined cycle, at 41.3% of the total, was also the leading source in August. Renewables accounted for 25.1% of production, generating 187,201 MWh, a 37% increase compared to September 2023. Wind power contributed 20.3% to the total this month, achieving a 46.7% increase compared to its production in September 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 September.

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