

Ecological transition

The Canary Islands surpass their annual renewable energy generation record in 2024

According to Red Eléctrica data, renewable energy generation for 2024 reached 1,727,987 MWh on Tuesday, breaking all previous annual records in the archipelago.

So far in 2024, renewable energy accounts for 21.2% of total generation, the highest share ever recorded in the Canary Islands.

Canary Islands, 4 December 2024.

Renewable energy generation in 2024 in the Canary Islands reached 1,727,987 megawatt-hours (MWh) on Tuesday, 3 December, surpassing the historical annual record set in 2022, which stood at 1,722,969 MWh. According to preliminary data from Red Eléctrica, 2024 is set to close as the year with the highest renewable energy generation in the archipelago's history.

Total renewable energy generation between 1 January and 3 December 2024 increased by 7.1% compared to the same period in the previous year. Its share in the Canary Islands' total energy mix stands at 21.2%, the highest recorded to date.

Wind energy, the leading technology driving this milestone, has generated an extra 4.6% MWh of electricity in the Canary Islands since 1 January, and leads the regional renewable energy mix with a 16.2% share of the total. It is followed by solar photovoltaic energy, which in 2024 experienced a 15.9% increase compared to the same period of the previous year (1 January–3 December).

2 August, with a recorded total of 10,818 MWh, was the day with the highest renewable energy generation in the archipelago in 2024. On that day, renewables accounted for 42% of the generation mix, with wind energy leading the Canary Islands' mix by generating 35.6% of the total. August 2024 was also the month in which renewables reached their all-time high in terms both of electricity generation (257,082 MWh) and coverage in the Canary Islands, with 32.9% of the total.

The presence of renewable generation technologies in the archipelago's installed capacity structure—now exceeding 28% of the total—, along with favourable weather conditions, were

the two key factors driving this increase in renewable MWh production and making 2024 a record-breaking year.