



According to data from the 'The Spanish Electricity System. Preliminary Report 2021'

Solar photovoltaic energy generation continued to grow in Murcia and now accounts for 21.7% of its electricity production.

- Renewables and zero-carbon energy technologies produce 28.2% of the region's generation.
- Electricity demand in Murcia was 2.3% higher in 2021 than in the previous year, similar to the increase experienced in the rest of Spain (2.5%).

Murcia, 18 March 2022

Solar photovoltaic technology in Murcia generated 21.7% of the electricity in the region in 2021, reaching a total of 2,007 GWh, representing a growth of 8.4% compared to the previous year. The contribution of this technology was a decisive factor that enabled renewables (zero-carbon energy technologies) in Murcia to increase their share in total generation mix from 23.9% in 2020 to 28.2% in 2021. This data is included in the 'Spanish Electricity System. Preliminary Report 2021', a document that Red Eléctrica de España publishes annually that includes the main power generation indicators in the Spanish energy sector and which was presented at an event held today.

For the Chairwoman of Red Eléctrica, Beatriz Corredor, "the energy transition is today more necessary than ever. It is the only way to achieve energy sovereignty in Europe and is an indisputable lever for the recovery that lies ahead. We have been working on this path for years and the figures for 2021 are an unmistakable sign that we are taking firm steps forward in this transition and doing so at a good pace. Furthermore, an essential instrument for driving this transition will be the 2021-2026 Electricity Grid Planning, which will be approved shortly and will allow us to comply with the path set by Spain's National Energy and Climate Plan (NECP)".

In terms of electricity production in the Region of Murcia, combined cycle remained the main generation technology in 2021 with 53.5% of the total, despite seeing its production fall by 19.2% to 4,950 GWh. Solar photovoltaic came in second for yet another year, followed by cogeneration, which represented 18.2% of the total. Wind, hydro, solar thermal and other renewables rounded out the generation mix in Murcia, together producing 6.5% of the total.

In terms of installed power capacity, the region's power generation fleet closed the year at 5,206 MW, with combined cycle being the technology with the largest share (62.7%), followed by solar photovoltaic (25.1%), cogeneration (5.8%) and wind (5%). Hydro, solar thermal and other renewables complete the installed power capacity in Murcia, together accounting for 1.5% of the mix.

The Report also shows that last year, electricity demand in the region reached 9,416 GWh. This consumption was 2.3% higher than in 2020, a growth similar to that experienced in the rest of the country, with 2.5% more than in the previous year.

The energy transition, unstoppable in Spain

At a national level, the figures for 2021 once again demonstrate Spain's strong commitment to renewables. In total, green energies produced 121,305 GWh, almost 10% (9.7%) more than in 2020 and reached a record share of almost 47% (46.7%) in the total generation mix nationwide.



In this regard, noteworthy is wind power generation which was the leading technology in 2021 with a share of 23.3% of the total generation mix nationwide. Thus, thanks to the wind, electricity produced using this technology generated 10.2% more than in the previous year. The increase experienced by solar photovoltaic energy has also been very significant. After increasing its installed power capacity by 28.8% through the addition of more than 3,300 MW, it increased its electricity production in 2021 by 36.7%.

After wind energy, the next technology that contributed the most to the generation mix was nuclear, which, although having generated 3.1% less than in 2020, still reached a share of 20.8%. Nuclear was followed by combined cycle (17.1%), hydro (11.4%) and solar photovoltaic (8%). Of note is that coal-fired generation continued its decline and reached a share in the mix of just 1.9%.

This greater presence of renewables in the generation mix in 2021 has contributed to reducing CO₂ eq. emissions associated with electricity production, which registered an all-time low in 2021.

The share of renewable technologies in the national power generation fleet also continues to grow. At year-end 2021, taking into account the addition of 4,000 MW of new green energy capacity, renewable technologies represented 56.6% of the total national production capacity (112,846 MW). Wind energy, which was the technology with the largest installed power capacity in Spain, is followed by combined cycle (23.3% share of the total mix nationwide), hydro (15.1%) and solar photovoltaic (13.3%).

For its part, electrical energy demand has continued to make progress in its recovery after the impact of the pandemic. At year-end 2021, annual demand stood at 256,387 GWh, a figure that is 2.5% higher than in 2020. After having factored in the influence of seasonal and working patterns, the figures regarding consumption remain basically the same.