

Successful bid price of office building energy storage project in Spain 2030

What will Spain's energy plan look like in 2030?

By 2030, Spain expects to install 22.5 GW of energy storage projects, including battery energy storage, pumped hydropower and solar thermal plants. The plan also aims for 76 GW of solar power, 62 GW of wind power, which includes 3 GW of offshore wind, along with 1.4 GW of biomass projects.

How much battery capacity will Spain have by 2030?

In the latest update of the Spanish National Energy and Climate Plan (NECP), storage capacity is projected to reach 9.5 GW from pumped hydro and 9.4 GW from batteries, alongside an additional 3.6 GW from solar thermal power plants. Similarly, the draft update of Portugal's NECP aims for 1 GW of installed battery capacity by 2030.

How many new energy storage projects are in Spain?

Spain targets 20GW of new energy storage by 2030. The first tender ended up being oversubscribed with more than 1.1GW/1.1GWh capacity, between 58 projects, not selected for the funding of the tender. The projects that were awarded in the PERTE tender were measured based on four criteria, with different points.

Is Spain targeting 20GW of energy storage by 2030?

Spain is targeting 20GW of energy storage by 2030. This BESS was deployed by Ingeteam at a green hydrogen facility in Ciudad Real. Image: Ingeteam. The government of Spain, through the Institution for the diversification and energy savings (IDAE) has awarded 880MW/1,809MWh in its first tender for energy storage to be co-located with renewables.

Does Spain need energy storage?

Spain quantified its storage needs in line with decarbonisation targets established in the 2021-2030 national energy and climate plan (NECP), which sets the share of renewables in gross final consumption of energy at 42% by the end of the decade.

How much does a LCoH cost in Spain?

This is comparable with the 67 EUR/MWh LCOH for the TES with retail charges. In Spain, subsidies for storage will be granted through four calls under the PERTE ERHA1 scheme. The PERTE ERHA includes storage, renewables and hydrogen and it is funded by the European Union



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