

Does Spain need a low-carbon solar system?

Spain--a large market with abundant wind and solar resources and few interconnectors to neighbouring countries--will have to build in sufficient flexibility to meet the low-carbon system's future needs.

Which technologies will drive Spain's electricity system in 2030?

According to the report, wind and solar power will drive the electricity system in 2030, together supplying 51% of generation (33% and 18% respectively), compared with 25% in 2018. By 2050, these two technologies will generate 75% of Spain's electricity.

What is BNEF New Energy Outlook?

BNEF New Energy Outlook is our annual long-term scenario analysis on the future of the energy economy.

Will battery storage reduce energy costs in Spain?

This will come at a higher cost and with higher emissions. Flexible technologies such as battery storage have the dual advantage of integrating larger volumes of renewable generation and displacing fossil backup capacity, reducing Spain's energy import bill and lowering emissions.

How much electricity will Spain generate by 2050?

By 2050, these two technologies will generate 75% of Spain's electricity. The report comes as negotiators from almost 200 countries gather for the COP25 climate change summit in Madrid, against a backdrop of urgent calls to cut emissions and keep the rise in global temperatures well below 2 degrees Celsius.

Can Spain decarbonise its electricity system?

Spain has ambitious targets for decarbonising its electricity system, but achieving this will require the aid of technologies that help balance supply and demand as more renewable energy is added to the grid.

In Spain, grid access has been granted to 145 gigawatts of potential solar and wind projects -- far in excess of what the government aims to have installed by 2030, de la Torre said. The access granted is twice that ...

interconnectors, as Spain's grid adopts increasing volumes of solar and wind. This report, authored by BloombergNEF in partnership with ACCIONA, combines BNEF's proprietary New ...

BloombergNEF (BNEF) expects the solar sector in Spain to continue expanding, despite regulatory uncertainties. The combination of high power prices and accelerating growth in renewables...

Elevated gas prices are set to keep power prices in Spain at a sky-high EUR104 per megawatt-hour (\$115/MWh) over 2023-24, following which the growth of renewables and a rebalancing of gas prices will drive power prices to down ...



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Spain boasts one of the world's highest rates of clean energy penetration. Renewables accounted for 50% of the country's total electricity mix last year, and Spain is looking to increase that to 81% by 2030. Yet its power market is already hitting...

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Iberdrola, one of the largest utilities in terms of renewable generation, is planning to build a 590 megawatt solar farm in Caceres, Spain. The project - named Pizarro - will come online in 2022, making it Europe's largest, ahead of Iberdrola's Nuñez de Balboa 500-megawatt solar plant.

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A commitment to decarbonization, enhanced energy security, and untapped solar potential lays the foundation. 2023 is a key year for the ecological transition in Spain, where renewable energies could contribute 50% of the nation's electricity generation. As per UNEF, 40GW of renewable power has obtained the Environmental Impact Declaration in ...

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In Spain, grid access has been granted to 145 gigawatts of potential solar and wind projects -- far in excess of what the government aims to have installed by 2030, de la Torre said. The access granted is twice that required to meet the country's 2030 wind target and four times that for solar, but then again, many of these potential projects ...



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interconnectors, as Spain's grid adopts increasing volumes of solar and wind. This report, authored by BloombergNEF in partnership with ACCIONA, combines BNEF's proprietary New Energy Outlook modelling tools with ACCIONA's detailed understanding of the Spanish market to produce five flexibility scenarios.

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