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Title: Spanish wind power storage policy

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Will Spain be able to deploy large-scale electricity storage?

The European Commission has approved a new aid scheme that will allow Spain to deploy large-scale electricity storage, both in hybridisation with renewable energy facilities and stand-alone and thermal.

Why should Spain invest in energy storage?

Investing in energy storage helps Spain meet its climate goals. This includes achieving carbon neutrality by 2050. Storing renewable energy instead of wasting it helps the country rely less on fossil fuels. This also cuts down greenhouse gas emissions. Pumped hydro, thermal storage, and battery systems are effective technologies.

How many offshore wind projects are there in Spain?

While there are currently no offshore wind projects under construction, current targets call for 3 GW to be installed by 2030, and GWEC estimates Spain's offshore wind potential to be greater than 200 GW.

Is Spain a wind power leader?

While new solar projects have surged, Spain's early prominence as a wind power leader has ebbed, though the country still ranks third among European nations in operating wind farm capacity (29.5 GW), and sixth in prospective capacity (41.8 GW). Utility-scale solar and wind projects are widely distributed throughout Spain.

Renewable generation is hindered by declining prices, lack of access capacity tenders, and project financing challenges, but opportunities lie in PPAs, asset hybridisation ...

The Spanish government made a significant advancement in energy storage policy by approving Royal Decree 7/2025 on June 24, which addresses multiple longstanding ...

The Spanish Wind Energy Association (AEE) has forecast year-over-year growth in new wind installations for 2024, but acknowledges that Spain is not yet on track to meet its 2030 targets. ...

Approved on 24 June by the Spanish government, the Royal Decree-Law 7/2025 contains measures that aim to strengthen the resilience of the country's electrical system, ...

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Hybrid storage projects are primarily paired with renewable generation, with solar power involved in 38 projects and wind power in 18 projects. Furthermore, nine projects ...

Spain's EUR700M plan adds 2.5-3.5 GW of energy storage to boost renewables, cut emissions, and strengthen the grid.

The Spanish government approved Royal Decree 7/2025 on June 24, resolving several long-standing obstacles hindering the secure ...

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The wind sector sees energy storage as essential to managing a grid with high renewable input. While the decree simplifies permitting, the AEE stresses the need for zonal ...

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