

emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries

As we transition our energy mix towards lower-carbon sources (such as renewables or nuclear energy), the amount of carbon we emit per unit of energy should fall. This chart shows carbon intensity - measured in kilograms of CO<sub>2</sub> emitted per kilowatt-hour of electricity generated.

Spanish and Portuguese utility Endesa, part of Enel, has provisionally won 953MW of connection rights to build renewable energy resources and battery storage in the Spanish city of Andorra, possibly rising to 1,200MW.

Endesa's proposal for its Andorra energy hub in Spain is based on the hybridization of renewable technologies, storage and green hydrogen for the decarbonization of local companies.

The Just Transition project at our power plant in Andorra, Teruel, won a prestigious Changemakers award in the Renewables category at COP28 in Dubai. This project focuses on converting the coal-fired power plant ...

Andorra will go from producing energy using coal, to generating clean energy with an installed capacity of 1,843.6 MW as a result of 7 hybridised renewable projects, 2 storage projects with batteries, a green hydrogen project and a synchronous compensator.

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The project for Andorra entails an investment of more than EUR1.487 billion. Of the 1,725 MW of renewable energy, 1,585 MW will be generated at what will be the largest solar plant under construction in Europe, 139 MW will be from wind and the project will have a large-scale storage system of up to 159.3 MW.

The new renewable plants will be located in Albalate del Arzobispo, H&#237;jar, Samper de Calanda-Castelnou, Andorra, Calanda, Alca&#241;iz, La Puebla de H&#237;jar, Jatiel and Alcorisa. We will also develop two battery storage plants that aim to fully exploit renewable energy production, reducing energy loss and optimising its use.

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## Storage of renewable energy Andorra

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