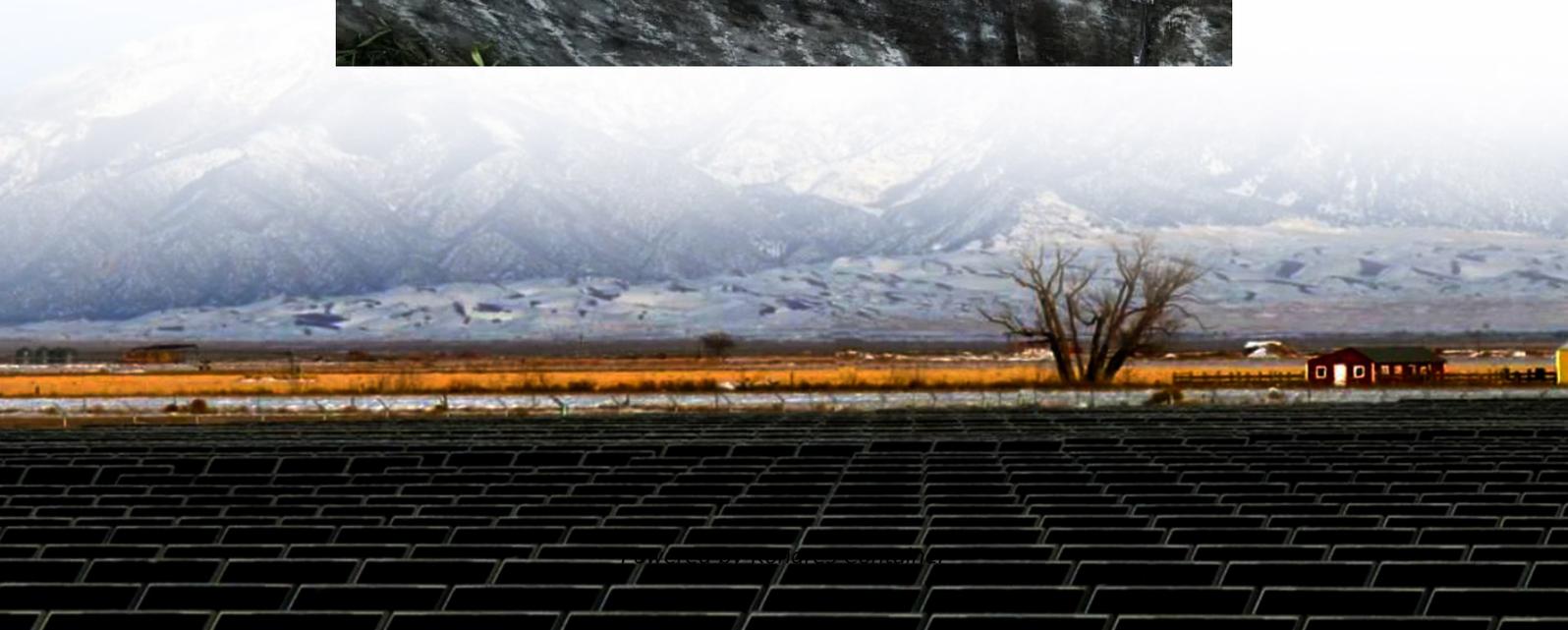


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Türkiye s 10 7 billion wind solar and energy storage project



Overview

How much wind power will Turkey have in 2035?

Turkey had 12.4 GW in wind power installed in September, together with 18.7 GW in photovoltaics, Bayraktar said at the presentation. He revealed that the goal for 2035 is almost four times higher, at 120 GW in total. It includes 5 GW of offshore wind power. The government boosted the target by a stunning 20 GW.

How has wind & solar influenced electricity generation in Türkiye?

In recent years, wind and solar were the driving force of electricity generation from domestic sources in Türkiye. In 2024, wind and solar surpassed the peak annual electricity generation of domestic coal for the first time, permanently overtaking domestic coal. “Wind and solar overtaking electricity from domestic coal is a huge moment for Türkiye.

Did wind power overtake coal power in Türkiye in 2024?

Wind and solar power in Türkiye permanently overtook electricity from domestic coal in 2024, even surpassing domestic coal power’s historic peak. Ember’s Türkiye Electricity Review, published for the fourth consecutive year, analyses Türkiye’s electricity generation and consumption data in 2024.

How big is Türkiye's energy storage capacity?

Türkiye’s 35 GWh storage capacity accounts for grid-scale projects alone. Global energy storage investments have surpassed 150 GWh. Türkiye has already begun installations in Hungary, Bulgaria, and Spain, leveraging its geographic advantage close to Europe.

What happened to solar power in Türkiye in 2024?

In 2024, solar power in Türkiye increased by a record 39% year-on-year. This pushed solar’s share of electricity to 7.5%, up from 5.7% in 2023. Wind remained steady at 10.7%, close to the previous year’s level of 10.6%. As a

result, the total share of wind and solar in electricity generation surpassed 18%.

Is Turkey a good place to invest in wind & solar energy?

Although Turkey's wind and solar energy capacity grew sharply in recent years, a lengthy permission process and lack of financing have been the key issues of concern for energy sector investors.

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