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North Macedonia 2kw wind power generation system



Overview

What is wind power in North Macedonia?

Utility-scale and rooftop PV. Wind energy in North Macedonia is at an earlier stage but is poised for expansion. The country's first wind farm, the 36.8 MW Bogdanci Park (1 turbines), was built by ESM in 2014¹⁵. For nearly a decade, Bogdanci remained the sole wind project—wind cap.

How many power plants are there in North Macedonia?

The electric power production system in North Macedonia consists of two coal power plants with a total installed capacity of 825 megawatts (MW), several hydro power plants with a total installed capacity of 695 MW, one combined generation power plant, a heavy oil plant, solar power plants, a few biogas plants, and two wind power farms.

Does North Macedonia have a wind park?

The WBIF has successfully piloted the first renewables scheme in North Macedonia. The first phase of the wind park was completed in 2014 and currently generates 100 GWh per year, providing renewable energy for more than 16,000 households in the Bogdanci region.

What does Phase II mean for North Macedonia?

Phase II is ongoing and will add 14 MW in electricity generation capacity to the existing facilities. This wind park proves that renewables are a realistic alternative to conventional energy sources and sets a precedent in North Macedonia that could attract private investments in green energy.

What changes did North Macedonia make to its energy policy?

While there were no other major energy legislative changes, North Macedonia continues to harmonize its energy sub-regulations with the EU Energy Community's Third Energy Package (TEP).

What's happening in North Macedonia's energy sector?

North Macedonia's energy sector remains in a transition stage characterised by limited private sector participation, insufficient and aging infrastructure, high reliance on fossil fuels – especially coal and lignite, low energy efficiency, often low energy prices and fragmented markets with limited cross-border trade.

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