

# Hungary's wind power system

How many wind farms are there in Hungary?

As of 1 April 2011, there were 39 operational wind farms in Hungary, with 172 turbines and 329 MW of installed capacity. In 2016 Hungary banned the building of wind turbines within 12 km of populated areas, accordingly no new turbines have been constructed since then. The first tender was written in 2006 and it contains 330 MW capacity.

What renewable sources are used in Hungary?

Another renewable source utilized in large amounts in Hungary is biomass. The NECP proposes a significant increase in solar PV capacity but no increase in wind power capacity. Wind power capacity expansion has been blocked by the government for more than ten years, a ban that is without reasonable geographic or economic reasoning [8,9].

Should the Hungarian energy transition be based on wind and solar resources?

Wind and solar resources should receive more attention in the planning of the Hungarian energy transition. However, the expansion of these vRES needs to happen simultaneously with the restructuring of the whole system [27].

How is the Hungarian energy system derived?

The input data to the model is derived mainly from national energy balance and other freely available databases which makes the approach easy to adapt and replicate. The following conclusions and recommendations are relevant to the Hungarian energy system.

Should a combination of wind and solar be investigated in Hungary?

The combination of wind and solar in Hungary should be at least investigated despite some national plans disregarding their importance as the results show some compatibility with changing demand patterns.

How to reduce surplus electricity in Hungary?

EnergyPLAN model and simulation of the Hungarian electricity system. A suitable capacity ratio of wind power to solar PV can reduce surplus electricity. Day-charging of electric vehicles in Hungary can reduce surplus electricity.

The Energiaklub has carried out a comprehensive analysis of the potential of wind power in Hungary. Wind power is capable of producing large quantities of electricity at the lowest ...

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HUNGARY'S HISTORY IN A NUTSHELL This nation has more than a thousand years of history, full of great events, kings, battles, allies, enemies, intrigue and sometimes, peaceful years. ...

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A well-designed energy strategy, regulatory environment and support system, and the development of mutually supportive solar, wind and geothermal systems are essential to ...

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This market report offers an incisive and reliable overview of the country's wind sector for the next long-term period, 2024 &#247; 2033. With a land area of 93,028 km<sup>2</sup>, Hungary is a landlocked ...

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