

Should North Macedonia accelerate the transition to renewables?

Like others in the region, North Macedonia must balance its need to rapidly accelerate the transition to renewables to secure its energy future with the need to ensure that future is one where both the country's nature and people thrive.

How much solar power does North Macedonia have?

Solar power Built on a former lignite open pit mining site, North Macedonia's Oslomej solar park will have an installed capacity of 120 MW when fully completed. © Ciril Jazbec

Does North Macedonia need a coal phase-out?

Even though the country has historically been dependent on lignite coal mining for around 30% and gas imports for an additional 15% of its electricity production, it has nonetheless set very ambitious goals for decarbonization. As part of the Powering Past Coal Alliance, North Macedonia has committed to a coal phase-out by 2027.

Is North Macedonia a biodiversity hotspot?

However, despite its small land area, North Macedonia also stands out as a biodiversity hotspot, housing a significant portion of Europe's biodiversity. This includes 64% of the continent's bird species and 34% of mammal species--all on an area smaller than 0.3% of the European subcontinent.

Is North Macedonia a good candidate for smart siting?

Seeing the country's forward-thinking approach to renewables and natural beauty, The Nature Conservancy (TNC) identified North Macedonia as a prime candidate for the implementation of the smart siting approach currently being undertaken in Croatia and Serbia as well.

A Renewable Energy Future in North Macedonia: A Blueprint for Accelerating the Transition. Research identifies twice the land needed to meet the country's electricity demand without unduly impacting nature and communities. October 04, 2023

Increasing the clean energy storage capacity for creating jobs and balancing the country's energy system. Increasing renewables penetration rates and the role of energy prosumers and communities in the energy system of North Macedonia. Addressing mines' reclamation and repurposing. Supporting people and communities affected by coal phaseout

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Renewable energy, in the form of solar, wind, hydro, geothermal, and bioenergy, not only reduces greenhouse gas emissions but also safeguards our planet's fragile ecosystems. It represents a paradigm shift, where our energy needs can coexist harmoniously with ...

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energy storage and aggregation have been transposed in the Energy Law amendments from 2022. All customers have been free to choose their supplier since 2019. In 2023, approximately 40% of consumption was supplied at non-regulated prices. In the mid of 2024, the Government selected a universal service

North Macedonia's significant growth in solar power capacity has led to an increase in the newly installed renewable electricity capacity. Thus, the surge in the production of electricity from renewables has caused a need for effective energy storage solutions to manage excess output and address fluctuations in demand.

The platform seeks to combine government, international finance and private investment to reach 1.7GW of renewable energy generation by the end of the decade as well as grid and energy storage upgrades and measures to support communities affected by the energy transition. This will reinforce North Macedonia's existing commitment, as set out ...

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Increasing the share of the energy from renewable energy sources (RES) in the total energy consumption is one of the major strategic objectives of the Government of the Republic of North Macedonia. This is very important for ensuring stable energy supply and energy security, thus creating conditions for

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