

How will a new solar plant help Macedonia?

Andi Aranitasi, EBRD Head of North Macedonia, said: "The new solar plant will help the country, which faces severe air pollution from coal, to reduce its reliance on ageing coal-fired infrastructure. It will also generate cheap electricity in times of very high market prices.

Who built the first solar plant in North Macedonia?

The 10MW solar plant, built on the site of the spent Oslomej lignite coal mine, was constructed by the public company JSC Elektrani na Severna Makedonija (ESM). This is the company's first solar plant in North Macedonia, developed with a view to diversifying energy sources and supporting decarbonisation.

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. &#169; Ciril Jazbec

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.

Is North Macedonia a good place to invest in green energy?

Dimitar Kovačevski, Prime Minister of North Macedonia: "It is really a great pleasure to be here today, where once a big environmental polluter was located and now we are producing green energy. The benefits of this investment are manifold.

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.

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Slovenia-based GEN-I connected its 17 MW solar power plant southeast of Skopje to the grid four months

before the deadline. It is the largest photovoltaic facility in North Macedonia and the Western Balkans.

The results of the study are unambiguous: North Macedonia has an enormous untapped potential for renewable energy development. Even when completely excluding all important bird and plant areas, the potential comes to ...

"The huge sustainable energy potential of North Macedonia, especially through wind and solar energy, is an enormous opportunity for the country, which is important in the advancement of the Green Agenda", emphasized Holger Schröder from ...

The Government of North Macedonia declared a photovoltaic project under development by Akuo Energy a strategic investment. It said the facility would have a capacity of 350 MW to 400 MW and that it would be worth EUR 270 million.

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The North Macedonian state-owned power utility ESM plans to build 1 GW of solar PV capacity either through direct investments or public-private partnerships (PPPs). The company aims to shift its power generation to renewables. The installed power capacity of North Macedonia reached 1.9 GW at the end of 2020.

With its abundant sunlight and favorable climate, the country is well-positioned to harness solar energy through photovoltaics (PV). This article explores the current state of solar energy in North Macedonia, the opportunities for growth, and the challenges that must be addressed to ...

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The new plant, one of the largest in the country, is expected to generate up to 15,500 megawatt hours of energy annually. As GEN-I's second-largest solar facility in North Macedonia, this project will play a crucial role in supporting the decarbonisation of the local energy system, helping the country move towards a more

sustainable future.

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



## North Macedonia solar spark energy

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