

Why is EBRD launching a solar PV plant in North Macedonia?

Andi Aranitasi, EBRD Head of North Macedonia, said: "This is a very important project for the country's energy transition. It is a continuation of our previous work in backing the ambitious decarbonisation plans of North Macedonia by organising solar PV tenders and constructing the first-ever utility scale solar PV plant in the country.

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.

Why is Gen-I launching a solar power plant in North Macedonia?

The start of operation represents an important milestone for the expansion of GEN-I in the implementation of large solar power plant projects and the production of carbon-free electricity as well as a key contribution to the so-called Green Scenario of North Macedonia under the Strategy for Energy Development.

What is the energy supply in North Macedonia?

ENERGY PROFILE North Macedonia		ENERGY PROFILE		Total Energy Supply (TES)		2016	2021
Non-renewable (TJ)	93 548	92 443	Renewable (TJ)	19 952	22 166	Total (TJ)	113 500
114 609	Renewable share (%)	18	19	Growth in TES	2016-21	2020-21	Non-renewable (%)
-1.2	-3.0	Renewable (%)	+11.1	-0.5	Total (%)	+1.0	-2.5
Primary energy trade 2016 2021							

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

Decarbonisation plans in North Macedonia are taking a big leap forward. The European Bank for Reconstruction and Development (EBRD) is lending EUR25 million to ESM, the state-owned electricity company, to build a 30 MW photovoltaic (PV) project consisting of 10 MW on a portion of the exhausted coal mine of thermal power plant Oslomej, and 20 MW ...

The first large-scale solar plant in North Macedonia - financed with the support of the European Union, WBIF bilateral donors and the European Bank for Reconstruction and Development (EBRD) has been connected to

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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 ...

North Macedonia: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

By harnessing the power of the sun, the solar farm will significantly reduce carbon emissions, contributing to North Macedonia's renewable energy targets. The project aligns with international sustainability goals, reinforcing commitments to a cleaner and healthier planet.

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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 European Commission's Directorate for Neighbourhood Policy (DG NEAR).

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

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