

 Early Warning System

EBRD-57337

MEPSO - Grid security and resilience



Quick Facts

Countries	North Macedonia
Financial Institutions	European Bank for Reconstruction and Development (EBRD)
Status	Proposed
Bank Risk Rating	B
Voting Date	2026-12-02
Borrower	Macedonian Transmission System Operator AD (MEPSO)
Sectors	Energy, Infrastructure
Investment Type(s)	Loan
Investment Amount (USD)	\$ 21.46 million
Loan Amount (USD)	\$ 21.46 million
Project Cost (USD)	\$ 24.23 million



Project Description

According to the EBRD, the project consists of a sovereign guaranteed loan of up to EUR18.6 million to the Macedonian Transmission System Operator AD (MEPSO), a 100% state-owned electricity transmission system operator in North Macedonia. The Bank's loan will finance the modernisation of critical transmission infrastructure through the deployment of a new central SCADA/EMS system, new cybersecurity systems, and a 400 kV transformer. The total project cost of EUR21 million will also benefit from a EUR2.4 million investment grant from the WBIF.

North Macedonia's electricity transmission system is undergoing a rapid transformation driven by the accelerated integration of renewable energy sources and increasing digitalisation of grid operations. MEPSO faces critical challenges from ageing control infrastructure, limited network visibility and increasing cyber threats. The project will modernise core transmission infrastructure and a comprehensive upgrade of cybersecurity systems. The proposed investments will enhance the reliability, security and operational efficiency of the transmission network of North Macedonia through improved real-time monitoring and control, strengthen the resilience of critical energy infrastructure against cyber threats, and ensure compliance with ENTSO-E standards and EU NIS2 requirements. The project will also increase transmission capacity and operational flexibility through the installation of a new 400 kV transformer, while supporting greater integration of renewable energy sources through improved system visibility and network optimisation.



Investment Description

- European Bank for Reconstruction and Development (EBRD)



Private Actors Description

As stated by the EBRD, the borrower is Macedonian Transmission System Operator AD (MEPSO), a 100% state-owned electricity transmission system operator in North Macedonia. MEPSO operates the country's high-voltage electricity transmission network under a licence issued by the Energy Regulatory Commission (ERC) and is responsible for electricity transmission, system operation and balancing, and cross-border interconnections with neighbouring power systems. The company operates approximately 2,234 km of transmission lines and 57 substations and plays a critical role in ensuring the reliability, security and integration of North Macedonia's electricity system.



Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	MEPSO AD	Client	Energy



Contact Information

Client - Macedonian Transmission System Operator AD (MEPSO):

Semijal Ziberi

Email: info@mepso.com.mk

Phone: +389 (0)2 3149 811

Website: <https://www.mepso.com.mk/>

Address: Maksim Gorki No. 4, 1000 Skopje, North Macedonia

ACCESS TO INFORMATION

You can request information by emailing: accessinfo@ebrd.com or by using this electronic form:

<https://www.ebrd.com/eform/information-request>

ACCOUNTABILITY MECHANISM OF EBRD

The Project Complaint Mechanism (PCM) is the independent complaint mechanism and fact-finding body for people who have been or are likely to be adversely affected by an European Bank for Reconstruction and Development (EBRD)-financed project. If you submit a complaint to the PCM, it may assess compliance with EBRD's own policies and procedures to prevent harm to the environment or communities or it may assist you in resolving the problem that led to the complaint through a dialogue with those implementing the project. Additionally, the PCM has the authority to recommend a project be suspended in the event that harm is imminent.

You can contact the PCM at: pcm@ebrd.com or you can submit a complaint online using an online form at:

http://www.ebrd.com/eform/pcm/complaint_form?language=en

You can learn more about the PCM and how to file a complaint at: <http://www.ebrd.com/work-with-us/project-finance/project-complaint-mechanism.html>