

## PLANNING FOR THE SYNCHRONIZATION OF UKRAINE AND MOLDOVA ELECTRIC NETWORKS TO THE EUROPEAN GRID



*Supported by USAID, the USEA Energy Technology and Governance Program is working with Ukrainian and Moldovan engineers to desynchronize their electric networks from Russia and connect them to the European electric grid (known as ENTSO-E). USEA-developed simulation models were used to plan and construct new infrastructure consistent with ENTSO-E standards. Engineers have been trained on advanced planning and operations software. Feasibility studies have identified the network investments and operational changes necessary for the transition. Disconnection tests will be conducted in Ukraine to verify the ability of its grid to operate independently; a prerequisite for synchronization with Europe.*



Connection to ENTSO-E will give Ukraine and Moldova access to cleaner and more efficient European energy suppliers, reduce the wholesale cost of electricity, enable integration of more renewable energy capacity, and incentivize investment in new power plants.

Given the scale and stakes, this is one of the most ambitious infrastructure projects of the post-Cold War era.

**CONTACT:**  
Will Polen, USEA, [wpolen@usea.org](mailto:wpolen@usea.org)

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