

USEA Unlocks New Business Opportunities for U.S. Energy Companies in Moldova's Power Sector Modernization

The United States Energy Association is helping to modernize Moldova's power sector and create new business opportunities for U.S. energy companies. By providing technical assistance and advanced grid planning tools, USEA is facilitating Moldova's transition to renewable energy, thereby increasing the demand for American technologies, engineering services, and digital solutions.

The United States Energy Association (USEA) has played a pivotal role in modernizing and strengthening Moldova's power sector, creating new business opportunities for U.S. energy companies in the process. After over a decade of collaborating with USEA, Moldova's national transmission system operator reached a significant milestone in 2022 when it disconnected from the Russian network and successfully synchronized with the European Network of Transmission System Operators for Electricity (ENTSO-E). Building on this success, the USEA launched technical assistance initiatives to prepare Moldova's grid for increased local electricity production. These initiatives are opening doors for advanced U.S. technologies and service providers.



Moldova has historically ranked among the least energy-secure countries in the world due to its heavy reliance on Russian energy imports. To address this vulnerability, the USEA conducted a Grid Integration and Hosting Capacity Assessment, evaluating the country's readiness to accommodate over 1,200 MW of proposed wind and solar projects. Using advanced power system simulations, N-1 contingency analysis, and international best practices, the study identified critical reinforcements to Moldova's transmission grid to support its clean energy ambitions. The resulting roadmap prioritizes infrastructure investments, including substation upgrades,

voltage control improvements, and digital monitoring systems. These investments will directly inform future procurement and planning decisions.

As a result, Moldova is actively pursuing modern grid solutions and renewable integration technologies, which has created immediate opportunities for U.S.-based system integrators, engineering firms, and digital grid solution providers. By positioning Moldova to integrate with European power markets and accelerate renewable energy deployment, USEA fosters a business environment where American innovation, digital tools, and engineering services are recognized and in demand.