

USEA Study Unlocks Strategic Opportunities for U.S. Energy Companies in Georgia

The United States Energy Association's Georgia Power System Resilience Study identified critical risks and modernization needs in Georgia's national transmission grid, creating pathways for enhanced reliability and cross-border energy trade. By leveraging U.S. engineering expertise and advanced grid technologies, the initiative strengthened regional energy resilience while unlocking strategic commercial opportunities for American energy companies in the South Caucasus.



Through the Georgia Power System Resilience Study, the United States Energy Association (USEA) is promoting U.S. commercial interests and regional energy resilience. This landmark initiative provides Georgia with a thorough risk and vulnerability assessment of its national transmission system. The study paves the way for infrastructure modernization, operational resilience, and the increased use of U.S. grid technologies throughout the South Caucasus region.

USEA conducted a rigorous, hazard-based analysis that evaluated Georgia's transmission system against seven natural threats, including earthquakes, floods, landslides, wildfires, and windstorms, as well as two man-made risks:

cyberattacks and military conflict. The study identified line segments at sustainable, moderate, and severe risk levels and generated detailed risk registries for each hazard. These insights directly support improved emergency response, grid redundancy, and long-term reliability planning.

The risk profile presented in the report informs the need to reinforce grid stability and future resilience modeling, and guides targeted investment. It highlights potential areas for improvement, such as grid automation, substation hardening, digital monitoring, and system control – sectors in which U.S. companies have a technological advantage worldwide. By translating

complex risk data into clear modernization priorities, USEA enables U.S. firms to play a leading role in Georgia's clean energy transition and growing cross-border electricity trade.

This initiative bolsters not only Georgia's grid resilience and energy security but also opens new strategic channels for U.S. energy and technology providers in an increasingly important region. Through this effort, USEA demonstrates the power of technical diplomacy by leveraging American engineering and analytical expertise to promote U.S. foreign policy objectives and create long-term commercial opportunities in the global energy sector.