

Learn more about how DOE is addressing the opportunities and challenges facing our electric grid today.

Grid modernization will require a suite of policy changes to support advancements in grid technologies, grid management, and utility regulation.

On October 18, 2023, the Department of Energy (DOE) announced up to \$3.5 billion for 58 projects across 44 states to strengthen electric grid resilience and reliability across the United States, all while ...

The aging infrastructure of the United States power grid presents a pressing challenge amid increasing electrical demand and the clean energy transition. Investments in infrastructure and ...

Meet NLR's grid modernization experts and explore their research shaping the future of the power grid. Check out the On the Road to Increased Transmission series to learn how the United ...

To ensure the grid of tomorrow is prepared to meet the demands of this transformation, NEMA has published a Roadmap for a Resilient and Innovative U.S. Electrical System to chart a ...

Grid modernization is the process of making our networks "smarter" and more resilient through the use of cutting-edge technologies, equipment, and controls that communicate and work ...

The quarterly series provides insights on state regulatory and legislative discussions and actions on grid modernization, utility business model and rate reforms, energy storage, microgrids, ...

The Initiative reaffirms President Biden's commitment to ensuring the United States has the electric grid it needs to continue outperforming other countries and to help local communities thrive.

Deploying advanced transmission technologies can modernize the U.S. power grid and speed the clean energy transition, faster than building high-voltage long-distance transmission lines.

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