Microgrid Technology Policy

This article is an update covering microgrid policies and implementation in the United States as of 2023. There has been a substantial evolution in American microgrid development in the early 2020s.

As a result, the National Association of State Energy Officials (NASEO) and the National Association of Regulatory Utility Commissioners (NARUC) created this framework to serve as a resource and ...

One of these solutions is microgrids that can disconnect from the grid and offer grid resilience during an outage. While this technology is still finding its footing in the industry, states ...

As in the economics of many traditional on-site generation projects, the economics of heat recovery and its appli-cation by combined heat and power (CHP) systems is central to the evaluation of microgrids, ...

Microgrids that incorporate renewable energy resources can have environmental benefits in terms of reduced greenhouse gas emissions and air pollutants. In some cases, microgrids can sell power ...

Regulatory and policy frameworks are crucial in facilitating the growth and acceptance of microgrids. However, several challenges related to these frameworks need to be addressed. One of the primary ...

The report discusses three trends in grid modernization actions taken in Q2 2025: (1) states mandating procurement of energy storage, (2) lawmakers implementing rules governing ...

A microgrid is a group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid.

Because time is of the essence in bringing greater resilience to the electric grid, a coalition of leading energy and technology companies formed Think Microgrid in 2021 to address the inherent barriers to ...

Advanced microgrids enable local power generation assets--including traditional generators, renewables, and storage--to keep the local grid running even when the larger grid ...

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