Microgrid Policy Summary

What is a microgrid strategy?
The Strategy development process began with microgrid experts deliberating on areas the Strategy should focus on for impactful results in key metrics, such as reliability, resilience, decarbonization, and affordability, in the next five to ten years.

Are microgrids a key component of the smart grid?
Microgrids have been identified as a key component of the Smart Gridfor improving power reliability and quality,increasing system energy efficiency,and providing the possibility of grid-independence to individual end-user sites.

Are microgrids a good investment?
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 back to the grid during normal operations. Depending on the complexity,microgrids can have high upfront capital costs.

What happens if a microgrid is grid-connected?
If the microgrid is grid-connected (i.e., connected to the main electric grid), then the community can draw power from the main electric grid to supplement its own generation as needed or sell power back to the main electric grid when it is generating excess power.

Is microgrid a conceptual solution?
Microgrid: a conceptual solution,IEEE annual power electronic specialists conference,6; 2004 (1): p. 4285-90. Renew. Energy,62 (2014),pp. 417 - 423 Peeters E,Belhomme R,Batlle C.,et al. ADDRESS: scenarios and architecture for active demand development in the smart grid of the future.

Can microgrids improve energy resilience?
Since microgrids are not the only way to enhance energy resilience,communities may want to consider alternate resilience investment options,including hardening existing transmission and distribution systems,weatherizing power generation sources,and building additional distribution systems to provide energy supply redundancy.

the programmatic, policy, and regulatory opportunities and barriers for microgrids development o Spotlight innovative state actions that have led to successful microgrid installations o Conduct ...

I. State Microgrid Landscape. States are taking various steps to facilitate the deployment of microgrids that improve resilience and further the achievement of other policy goals, such as ...

microgrid projects being undertaken by DOE and its Smart Grid R& D Program and a process of engaging

microgrid stakeholders to jointly identify the remaining R& D gap areas and develop ...

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. A ...

Based on the results, this assessment places states into four tiers, each representing stages of microgrid policy and market development. Tier 1 states demonstrate higher overall deployment ...

NEMA conducted a study to evaluate the most significant policy barriers affecting microgrid deployment. Based on successful state regulations and policies, this report includes an ...

Executive Summary Some of the most significant barriers to microgrid deployment are created by policy and regulatory ... goal of microgrid policy should be to establish clear pathways for ...

2018. EXECUTIVE SUMMARY: Multi-user microgrids (MUMs) are an emerging approach to electricity service that allows neighboring customers to obtain greater resilience in electricity ...

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TY - GEN. T1 - Microgrid Analysis Tools Summary. AU - Jimenez, Antonio. AU - Haase, Scott. AU - Mathur, Shivani. PY - 2017. Y1 - 2017. N2 - The over-arching goal of the Alaska Microgrid ...