

PIENAAR ENERGY (PTY) LTD

The state solicits microgrid management measures



Overview

As state lawmakers consider policies to enhance energy system reliability and resilience, a growing number have looked to the benefits of microgrids. These unique systems represent a specific form of electric resilience—the ability to maintain power locally even in the face of. The reliability and resilience of the United States electric grid is a paramount concern for state and federal policymakers and regulators. As extreme weather and physical and cyber-attacks on grid infrastructure have led to outages of increased duration, scale, and impact on power customers and. The electric grid is considered especially important because power is required to maintain the functionality of most critical infrastructure sectors—those deemed vital to the economy, public health and safety. The threat from natural disasters has grown in intensity and frequency. The previous. Authorized by Section 40101(d) of the Bipartisan Infrastructure Law (BIL), the Grid Resilience State and Tribal Formula Grants program is designed to strengthen and modernize America's power grid against wildfires, extreme weather, and other natural disasters that are exacerbated by the climate. Across the country, states vary widely in the steps they have taken to update microgrid policy to match the state of technology and the pressing social priorities we face. Many states have taken no specific actions to address inherent policy barriers. Others are developing tariffs and deployment. However, microgrids are a suitable solution for a wide range of use cases across the US due to their versatility, including bolstering community-wide resilience in response to intense weather patterns. In 2022, SEPA identified a need to assess microgrid legislation records in order to better understand state and nationwide trends and ultimately.

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Resilience and Microgrid Policy Activity

In 2023, SEPA sought to supplement that research by highlighting state-level policy actions - which include legislative and regulatory proposals -- related to resilience and microgrids.

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New State Scorecard maps out how far US state policy must

The scorecard, based on Wood Mackenzie microgrid project and market data, shows that all but four states fall short of a 'B' grade. Until policy reform delineates microgrids from traditional ...

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American Microgrid Policy Development

Advocacy group Think Microgrid collaborated with Wood Mackenzie to develop a State Scorecard that assesses microgrid market growth across all 50 states. States with the highest scores include ...

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Microgrids: State Policies To Bolster Energy Resilience

While myriad inputs can affect whether a customer or developer decides to pursue a microgrid project, state policymakers can play an important role in establishing programs and ...

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State Microgrid Policy, Programmatic, and Regulatory Framework

This framework provides relevant background information for State Energy Offices and PUC consideration, regardless of their state's microgrid landscape, through examples from peers as states ...

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State Policy Innovations Crucial to Adoption of Microgrid Technology

In collaboration with the research group Wood Mackenzie, the industry trade group Think Microgrid has developed a road map for new approaches designed to promote microgrid ...

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Microsoft Word



This assessment evaluates states based on actions its authorities have taken to advance microgrid markets and policy. The assessment scores each state based on activity within five evaluation ...

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Microgrids: State Policies To Bolster Energy Resilience

US states employ unique policymaking processes which are hard to compare. Four major overarching microgrid deployment policy patterns are identified. There is a statistically significant ...

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Despite Innovative Action in Microgrid Policies, States Have a Long ...

Innovative state action last year across the microgrid policy landscape was not enough to change the U.S. microgrid landscape, said Think Microgrid in its new State Scorecard 2024.

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Cataloging US state policy patterns towards microgrid deployment

US states employ unique policymaking processes which are hard to compare. Four major overarching microgrid deployment policy patterns are identified. There is a statistically significant ...

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Microgrid Overview

Microgrid control systems: typically, microgrids are managed through a central controller that coordinates distributed energy resources, balances electrical loads, and is responsible for ...

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