



State Grid Micro Headlines

Are microgrids a state program?

Several states have enacted legislation to include microgrids under existing state programs and incentives. The Connecticut legislature, in particular, has worked to wrap microgrids into state policies designed to support a variety of energy investments for both public and private entities.

Which states have defined microgrids in statute?

California, Connecticut, Hawaii, Maine and Puerto Rico have defined microgrids in statute as part of larger policies tailored specifically to facilitate the development of these systems.

Should lawmakers support microgrid development?

As lawmakers in other states consider whether to support microgrid development, it's important that policies consider the full value and reflect the suite of benefits that microgrids can provide the power grid to harness their full potential.

Which states have included microgrids in grid modernization initiatives?

Colorado, Minnesota and New Mexico have included microgrids under broad grid modernization initiatives. In Colorado and Minnesota, the legislatures require regulated utilities to develop and submit transmission and distribution system plans to the state PUCs.

How can States improve the interconnection and operation of microgrids?

In others, states have sought to provide developers with a greater degree of certainty and standardization around the interconnection and operation of microgrids in relation to their electric utility--most notably by establishing interconnection requirements, addressing access to rights-of-way and developing microgrid service tariffs.

Should Connecticut invest in microgrids?

The Connecticut legislature, in particular, has worked to wrap microgrids into state policies designed to support a variety of energy investments for both public and private entities. First, the state added microgrids to the list of qualifying projects that municipal energy improvement districts can pursue.

A microgrid is a local energy grid that can operate independently or in conjunction with the traditional power grid. It is comprised of multiple distributed energy resources (DERs), such as ...

Concern about the state of the grid is part of what's driving businesses, institutions and communities to install their own microgrids. NERC is tasked with creating and enforcing reliability standards, and it monitors the ...

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 ...

The state of the art in this field is reviewed in this article, and a complete analysis of the main related communication technologies and optimization techniques is presented ... Only peer-to ...

The State Grid's smart charging network, which helps link charging station companies with electric car users, is connected to around one million charging piles and serves 5.5 million owners of the zero-emission ...

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 ...

State Grid Corporation of China (SGCC), the critical state-owned enterprise related to the national economy lifeblood and energy security, has permanently attached importance to the construction ...

These micro-grids never connect to the macro-grid and instead operate in an island mode at all times because of economical issue or geography position. Typically, an "off-grid" micro-grid is ...

Alternately, distributed generation (DG) based microgrids have evolved as a reliable, affordable, and cost-effective solution for generation near to the load centers [7][8][9].

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