

What are the key drivers of microgrid policies?

The reviewed literature showed key drivers of microgrid policies, the crucial motivations for developing microgrids. The key drivers were classified into four broad groups, i.e., 1) electricity access, 2) wealth creation and distribution, 3) environmental protection, and 4) technology development, shown in Figure 2.

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.

Do microgrid policies cover the smart grid?

An early step of microgrid development at an organizational or national level often starts with microgrid policies. In this study, the documented microgrid and smart grid policies were scrutinized. A review process covered the smart grid because the microgrid was considered as a subsystem of the smart grid (IEC, 2017).

How has microgrid policy evolved?

From the initial encouragement and promotion of the development of microgrids, microgrid policy has evolved towards demonstrating the practice of comprehensive energy storage technology applications, creating conditions for the further promotion of microgrid construction.

What are the key drivers of Thailand microgrid policies?

The key drivers of Thailand microgrid policies are 1) electricity access, 2) wealth creation and distribution, 3) environmental protection, and 4) technology development. Like those in the US (C2ES Solutions Forum, 2017), rural and urban microgrids in Thailand are expected to grow in the future.

How can policymakers enable the adoption of microgrids?

To enable the adoption of microgrids, policymakers must create clear and comprehensive regulations that address their viability and sustainability. Access to financing and technical expertise is also essential to overcome financial and technical barriers.

The first step when developing a microgrid policy or program should be to define several key terms including microgrid, hybrid/multi-customer microgrid, and mobile microgrid. This can be ...

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The Otis microgrid was the first military microgrid to use a battery energy storage system to form a completely islandable base-wide microgrid that can operate independent from the utility grid. ...

YANG DECHANG DECEMBER 2, 2020 . I. INTRODUCTION In this Special Report, Yang Dechang summarizes current research on and deployment of microgrids in China, including an overview of the history of microgrids in ...

Introduction. Microgrids play valuable roles in several areas, from academia to the energy supply industry. Because of its beneficial renewable energy promotion, the microgrid is in various locations of lab-scale ...

policy issues. Part I provides a brief introduction to policies and regulations related to microgrid development in three major world areas, the Americas, Europe, and East Asia. With this basis, ...

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