

This study examines the evolving landscape of microgrid development in the United States, with a specific focus on the social and community dimensions often overlooked in such projects.

Communities are increasingly looking to encourage the development of public-purpose microgrids that, powered by distributed energy resources with energy storage, can maintain power for critical community assets (e.g., ...

This study underscores the importance of integrated microgrid planning for sustainable and resilient urban transformation amid environmental and societal challenges.

Several energy parks are already in development, including the \$1 billion Meitner Project in Texas, which is "developing 460 MW of wind and 340 MW of solar to power 400 MW of hydrogen...

Section 40101(d)'s prohibition on the construction of a new electric generating facility limits the eligible uses of 40101(d) grid resilience formula grants for microgrid development. Nonetheless, costs associated with ...

Through this synthesis, the chapter provides a comprehensive guide to accelerating microgrid development, maximising social and environmental benefits, and enabling resilient, equitable, and ...

Pacific Gas and Electric Company (PG&E) announced that it soon will begin construction on two microgrids in El Dorado County, designed to provide electricity to certain customers and shared community ...

In June 2019, Spear Solar Solutions--now a strategic partner of PowerStack Microgrids--completed a 10 MW utility-connected microgrid for the City of Georgetown, Texas, marking a major step in the city's effort to ...

The paper discusses trends in the technology development of microgrid systems as well as microgrid control methods and interactions within the electricity market. Software tools for microgrid design, ...

Phase I supported robust analysis on deploying clean, resilient, distributed-energy micro-grids in the District. The study focused on four core areas: Site: 50+ acre, mixed-use redevelopment. heating, and cooling at ...

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