



Microgrid Demonstration Project Brief Template

What is a microgrid report?

This report provides (1) an overview of the microgrid planning, assessment, and design process for DoD installations and (2) is a resource for energy managers, policymakers, contractors, and other stakeholders involved in microgrid projects.

What is a microgrid project?

The primary goal for microgrid projects is to increase the energy resilience and enhance the ability to serve an installation's electrical loads during a contingency situation.

What is a microgrid Design Toolkit (MDT)?

Sandia National Laboratories developed the Microgrid Design Toolkit (MDT), a decision support software for microgrid designers that is publicly available for download.

What should be included in a microgrid demonstration period?

Demonstration of the microgrid includes the final performance measurement and validation procedures. The microgrid demonstration period should include a variety of scenarios to demonstrate the functionality of the system. High level examples are listed below.

What is a microgrid design tool?

The MDT allows designers to model, analyze, and optimize the size and composition of new microgrids or modifications to existing systems. Technology management, cost, performance, reliability, and resilience metrics are all offered by the tool.

What information should be included in a microgrid project?

The key data includes electrical drawings, information on critical loads, utility load information, and utility cost information. Once the background information has been reviewed, the project team should begin initial stakeholder consultations. Implementing a successful microgrid requires participation by many stakeholders.

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work provides a brief overview of microgrid definitions, common characteristics, technology, barriers, and policy prescriptions, as well as thumbnail descriptions of successful microgrid ...

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etc.; microgrids supporting local loads, to providing grid services and participating in markets. This white paper focuses on tools that support design, planning and operation of microgrids (or ...

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