Micro grid design

The following download is for the latest development version of the Microgrid Design Toolkit. This download is intended for advanced users needing access to the latest development features.

This guide focuses on conceptual design of microgrids with the goal of empowering communities to evaluate the viability of this solution against other alternatives.

Often completed during the feasibility assessment, this design lays out the basic technology types, sizes, locations, and methods of interconnecting the microgrid systems.

This white paper focuses on tools that support design, planning and operation of microgrids (or aggregations of microgrids) for multiple needs and stakeholders (e.g., utilities, developers, ...

This report captures and shares experiences and lessons from the Miramar assessment, conceptual design, solicitation, engineering design, and construction process as well as from other ...

By combining renewable power generation, power storage and conventional power generation to meet energy demands, microgrids can provide cost savings, reliability and sustainability.

ETAP Microgrid Control offers an integrated model-driven solution to design, simulate, optimize, test, and control microgrids with inherent capability to fine-tune the logic for maximum system resiliency ...

Download this framework to guide you through the entire microgrid design process from project roles to operating procedures.

In terms of microgrid design, this means that the microgrid does not have to be built to serve power 24/7, but instead can be built to provide power during times the main electric grid experiences an outage ...

In most cases, the transition from grid-interactive to islanded and back again to grid-interactive is a key feature of microgrid design. It is not, however, devoid of design challenges and ...

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