

In this paper, a new strategy is proposed to investigate the dynamic security of the micro-grid in the event of power and load disturbances based on adaptive neuro-fuzzy inference system...

Presentation was intended to build foundational understanding of energy resilience, reliability, and microgrids.

Test descriptions, set-up, and results from the phase two testing are reported in this document.

The techniques that have been investigated to control MicroGrids in both modes are summarized as well as those proposed to maintain stability during the transitions from one mode to the other.

If a community chooses to adopt a phased approach, it is important to procure equipment and design the first phase with this in mind since not all microgrid architectures or controller sets are modular or ...

The role of a microgrid to circumvent the effects of power quality events is discussed, and a detailed description of the microgrid and its essential components is included.

This phase takes the findings of the previous phase and quantifies a conceptual microgrid layout. A combination of renewable and conventional generators is analyzed to serve peak load values of ...

Dive into the research topics of "Hardware Development of a Laboratory-Scale Microgrid Phase 2: Operation and Control of a Two-Inverter Microgrid". Together they form a unique fingerprint.

The hardware-intensive 34-megawatt microgrid test system is based on Naval Air Station Patuxent River. Three successful teams of strategic partners from phase 1 were selected to proceed ...

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