

Title: Feeder-level microgrid

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Simplified Approach to Distribution Feeder Protection for Microgrids With Inverter-Based Resources Bryan Hosseini and Jason Eruneo, Duke Energy Ahmed Abd-Elkader, Fred ...

Abstract--This paper presents a load switching group based energy management system (LSG-EMS) for operating microgrids on a distribution feeder powered by one or multiple grid-forming ...

In this paper, the characterization of distribution feeders as microgrids was assessed, and GMC software specifications were used to develop a substation controller and ...

Advanced microgrids enable local power generation assets--including traditional generators, renewables, and storage--to keep the local grid running even when the larger grid ...

Microgrids have existed behind-the-meter for decades as end-users with qualified on-site generation parallel with the grid and operate independently in case of outage. Operating with ...

This paper demonstrated the concept of the M3PE-HUB in a test microgrid system. The architecture of M3PE-HUB and a preliminary evaluation in DRTS were presented.

Similarly, where critical loads are distributed across many feeder lines, it may be more cost-effective and practical to develop a microgrid that serves an entire substation's load rather ...

In this paper, a sequential service restoration (SSR) framework is proposed to generate restoration solutions for distribution ...

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