

SEPA's Microgrid Workshop

Monday, May 14, 2018

1:00 PM – 4:30 PM

Sheraton Atlanta Hotel

Atlanta Room

Microgrid Workshop Description

Grid resilience has received vigorous attention in the wake of recent storms along the Gulf coast and out to Puerto Rico and the Virgin Islands. Microgrids can provide much needed power to critical areas while smartly interconnecting solar and battery technologies with end users.

Modern grid operators are faced with demands to modernize the distribution system, integrate distributed energy resources (DERs), and manage physical and cyber threats to the grid -- all capabilities of microgrids. However, regulatory barriers, technology integration challenges, and other issues must be overcome for the microgrid market to reach its potential.

Learn from industry experts and researchers how microgrids can be robust tools for enhancing grid resilience while also integrating and optimizing DERs. Sessions will cover technologies, use cases, business models, and rates and regulatory concerns. This workshop promises an interactive learning experience, so come prepared to share your experience and insights.

Workshop Agenda

Time	Sessions/Breaks
1:00 PM - 1:10 PM	Welcome, Overview & What is a microgrid?
Session 1 1:10 PM – 1:55 PM	Function Determines All Ken Horne, Director, Navigant Howard Smith, Manager of DER Policy, Southern Company Services What will the microgrid accomplish? Clear understanding of the installation’s objectives will inform all subsequent decisions -- resource selection, siting, asset ownership, operational controls, rate recovery, etc. There are lots of options for energy sourcing, storage, management and smart loads – what are the “smart” choices? With technology still evolving, how can you future proof your initial system investments?
Session 2 1:55 PM - 2:40 PM	Siting Considerations and Building for Customer Needs Tom Fenimore, Technology Development Manager, Duke Energy Clark Wiedetz, Director of Microgrid and Renewable Integration, Siemens Single customer applications are relatively straightforward. Priority loads can be readily identified. For multiple customer applications, local supply assets, distribution system characteristics, and other priorities can impact site selection. What about local jurisdictional concerns, and how should they be approached?
2:40 PM – 3:00 PM	Networking Break
Session 3 3:00 PM – 3:45 PM	Value Proposition John Caldwell, Director of Economics, Edison Electric Institute How can value streams for microgrids be identified and quantified? How can these then be incorporated into an effective business case? For value streams that must be projected or estimated prior to the microgrid going into operation, how can they be subsequently measured to compare projected benefits with actual benefits?
Session 4 3:45 PM - 4:30 PM	Wrap-up Panel: Ask the Experts High-level discussion panel with speakers from the previous three sessions. Open Q&A
4:30 PM	Adjourn