



## DER Fundamentals Workshop

**Note: For reasons beyond our control, it may be necessary to alter the content or timing of the program, or substitute speakers without advance notice.**

Last Update 6.28.17

**Tuesday, July 25, 2017**

<u>Time</u>	<u>Sessions</u>
1:00 - 1:10pm	<b>Welcome, Introduction, and Definition of DER</b> SEPA, Nexant, and SEPA's Advisory Council on Demand Response and Smart Grid will welcome workshop attendees, help break the ice, and also set the stage for the afternoon by providing a working definition of Distributed Energy Resources (DER).
1:10 - 1:40pm	<b>Technology Overview</b> From solar and storage to demand response and electric vehicles, <i>Andrew Levitt of PJM</i> will provide a review of DER technologies, their markets, and relevant policies and deployments.
1:40 - 2:00pm	<b>DER Capabilities</b> With so many technologies and programs, coupled with varying operational and reliability requirements around the country, it can sometimes be difficult to sort fact from fiction when discussing the capabilities of DERs. <i>SEPA's Ryan Edge</i> will follow the previous technology overview to provide simple, accurate explanations of the necessary services and what they mean.
2:00 - 2:30pm	<b>Planning the Distributed Energy Future</b> <i>Obadiah Bartholomy of the Sacramento Municipal Utility District (SMUD)</i> will present a case study of utility integrated DER planning in SMUD's service territory. SMUD has seen explosive growth in DER penetration in recent years and developed an innovative forecast and planning methodology to better assess necessary utility infrastructure investments to handle future needs.
2:30 - 3:15pm	<b>Valuation of DERs</b> In this session, <i>Alana Lemarchand of Nexant</i> will build off the next steps and challenges laid out in SEPA and Nexant's report, "Addressing the Locational Valuation Challenge of Distributed Energy Resources." <i>Kerry Worthington of NARUC</i> , will bring NARUC's recently-released "Distributed Energy Resource Manual" into the conversation.

3:15 - 3:30pm	<b>Break</b>
3:30 - 4:45pm	<p><b>Panel Discussion on Policy</b></p> <p>A dynamic panel of experts will discuss DER policy through the lens of FERC's NOPR, NY's REV, CA's DRP, and other states specifically considering DER in the context of grid modernization. A panel discussion and Q&amp;A will be followed by panelist-led table discussions.</p> <ul style="list-style-type: none"> <li>● <i>Moderator: Erika Myers (SEPA)</i></li> <li>● <i>Howard Smith (Southern Company Services)</i></li> <li>● <i>David Kathan (Federal Energy Regulatory Commission - FERC)</i></li> <li>● <i>Monica Berry (NRG)</i></li> <li>● <i>Katherine Hamilton (Advanced Energy Management Alliance - AEMA)</i></li> </ul>
4:45 - 5:00pm	<b>Wrap Up, Closing Discussion, and Questions</b>



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