



U.S. DEPARTMENT OF
ENERGY



NASEO
National Association of
State Energy Officials



Training for States on Distribution System and Distributed Energy Resources Planning

November 29, 2023

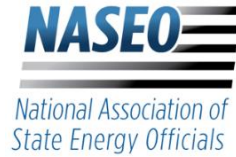
District Architecture Center, 421 7th Street NW, Washington, DC 20004

Agenda

- 8:30 a.m. Welcome and Agenda Review**
Joe Paladino, U.S. Department of Energy, Office of Electricity
Brian Walker, U.S. Department of Energy, Building Technologies Office
Kirsten Verclas, NASEO, and Danielle Byrnett, NARUC
Lisa Schwartz, Berkeley Lab
- 8:45 a.m. Integrated Distribution System Planning Overview**
Natalie Mims Frick and Lisa Schwartz, Senior Energy Policy Researchers, Berkeley Lab
- 9:45 a.m. Break (refreshments provided)**
- 10:00 a.m. Group Exercise – State Objectives and Priorities for Distribution System and Distributed Energy Resources Planning**
Facilitated by National Association of Regulatory Utility Commissioners and National Association of State Energy Officials
- 11:00 a.m. Load Forecasting**
Julieta Giraldez, Director of Grid Planning, Kevala
- Forecasting tools and methods for greater temporal and spatial granularity
 - Scenario-based forecasting
 - Electrification and extreme weather impacts
- 12:00 p.m. Lunch and Group Exercise – State Challenges and Opportunities for Distribution and DER Planning**
Facilitated by National Association of Regulatory Utility Commissioners and National Association of State Energy Officials
- 1:15 p.m. Distributed Energy Resources Planning**
Cody Davis, Senior Manager, Distribution & Grid Modernization, Electric Power Engineers
- DER forecasting
 - Hosting capacity analysis
 - Non-wires alternatives

The U.S. Department of Energy's Office of Electricity and Building Technologies Office provided support for this training.

- 2:30 p.m. Identifying Grid Needs and Evaluating Investment Options**
Samir Succar, Senior Director, ICF
- Grid needs assessment
 - Technology investment strategies for grid modernization, DERs and electrification
 - Valuation methods
 - Technology roadmap
- 3:30 p.m. Break** (*refreshments provided*)
- 3:45 p.m. Recovering and Allocating Costs**
Ronny Sandoval, Principal, Regulatory Assistance Project
- Regulatory challenges
 - Treatment of projects that receive federal funding
 - Ratepayer vs. taxpayer funding
 - Proactive distribution upgrades for distributed energy resources and electrification
 - Resilience investments
- 5:00 p.m. Adjourn**



Training for States on Resilience Planning for Electricity Systems

November 30, 2023

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Agenda

- 8:30 a.m. Welcome and Agenda Review**
Dave Parsons, U.S. Department of Energy, Grid Deployment Office
Kirsten Verclas, NASEO, and Lynn Costantini, NARUC
Lisa Schwartz, Berkeley Lab
- 8:45 a.m. Introduction to Resilience for Electricity Systems**
Eliza Hotchkiss, National Renewable Energy Laboratory
- 9:30 a.m. What Should Grid Resilience Plans Include? *Example Plans, Template, and Reporting***
Josh Schellenberg, Berkeley Lab affiliate, and Stephen Capozzi, Connecticut Public Utilities Regulatory Authority
- 10:30 a.m. Break (refreshments provided)**
- 10:45 a.m. Engaging Stakeholders and Building Equity in Resilience Planning**
NARUC and NASEO interactive exercise
- 11:30 a.m. Identifying Threats, Predicting Vulnerabilities, and Assessing Risks¹**
Tom Wall, Argonne National Laboratory
- 12:30 p.m. Lunch (provided) and Networking**
- 1:15 p.m. Strategies for Valuing and Prioritizing Resilience Investments and Measuring Progress**
Pete Larsen, Berkeley Lab
- 2:30 p.m. Break (refreshments provided)**
- 2:45 p.m. Mitigation, Rapid Restoration Strategies, and Best Practices — with Case Studies**
Nichole Hanus, Berkeley Lab
- 4:00 p.m. State Criteria for Evaluating Resilience Projects**
Presenter and panel moderator: *Jane Frantz, Argonne National Laboratory*
Panelists:
Sidney Huffman, Virginia Department of Conservation and Recreation
Kristofor Anderson, Georgia Environmental Finance Authority
Sarah Mathias, American Public Power Association
- 5:00 p.m. Adjourn**

¹This training will not cover cybersecurity and kinetic attacks. See Lawrence Livermore National Laboratory's [presentation](#) at the Southeast resilience training as well as [NASEO](#) and [NARUC resources](#) on the topic.

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