



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
Kirsten Verclas, NASEO, and Jeff Loiter, 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, and project criteria and metrics**
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 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