



Training for States on Distribution System and Distributed Energy Resources Planning

January 24, 2024

University of California Irvine, 6210 Donald Bren Hall [[map](#)]

Draft Agenda

- 8:30 a.m. Welcome and Agenda Review**
Ram Narayanamurthy, U.S. Department of Energy, Building Technologies Office
Jeff Loiter, NARUC, and Blake Kinney, NASEO
Lisa Schwartz, Berkeley Lab
- 8:45 a.m. Integrated Distribution System Planning Overview**
Natalie Mims Frick and Lisa Schwartz, Berkeley Lab
- 10:00 a.m. Break (refreshments provided)**
- 10:15 a.m. Load Forecasting**
Julieta Giraldez, Kevala
- Forecasting tools and methods for greater temporal and spatial granularity
 - Scenario-based forecasting
 - Electrification and extreme weather impacts
- 11:15 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
- 12:00 p.m. Lunch and networking**
- 12:40 p.m. Welcome From University of California, Irvine**
Jack Brouwer, Professor of Mechanical and Aerospace Engineering and Director of the National Fuel Cell Research Center and Advanced Power and Energy Program

— Continued —

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

- 12:45 p.m.** **Distributed Energy Resources Planning**
Cody Davis, Electric Power Engineers
- DER forecasting
 - Hosting capacity analysis
 - Non-wires alternatives
- 1:50 p.m.** **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
- 2:00 p.m.** **Break**
- 2:10 p.m.** **Group Exercise (continued)**
- 2:30 p.m.** **Identifying Grid Needs and Evaluating Investment Options**
Samir Succar, ICF
- Grid needs assessment
 - Technology investment strategies for grid modernization, DERs and electrification
 - Valuation methods
 - Technology roadmap
- 3:45 p.m.** **Break (refreshments provided)**
- 4:00 p.m.** **Recovering and Allocating Costs**
Ronny Sandoval, 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**