



Mid-Atlantic Distribution Systems and Planning Training With NARUC-NASEO Task Force on Comprehensive Electricity Planning

The National Association of Regulatory Utility Commissioners, National Association of State Energy Offices, and Berkeley Lab invite Mid-Atlantic public utility commissions and state energy offices to participate in a training on distribution systems and planning in Washington, D.C., on March 7-8, 2019. A limited number of travel stipends will be available. Please register here:

<https://www.surveymonkey.com/r/7V3WWZ2>.

The training is made possible through the U.S. Department of Energy's Grid Modernization Laboratory Consortium, in partnership with Berkeley Lab, National Renewable Energy Laboratory and Pacific Northwest National Laboratory. For questions on content, please contact Kerry Worthington at kworthington@naruc.org. For questions on logistics, please contact Dominic Liberatore; dliberatore@naruc.org.

D.C. Public Service Commission
1325 G Street N.W., Suite 800, Washington, D.C. 20005

DRAFT AGENDA

March 7, 2019

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| 8:45 – 9:00 am | Welcome and opening remarks – Chair Willie Phillips (DC PSC), Kerry Worthington (NARUC), Fred Hoover (NASEO), Lisa Schwartz (Berkeley Lab) |
| 9:00 – 10:30 am | Distribution systems 101 – Kevin Schneider (PNNL) and Emma Stewart (LLNL) |
| 10:30 – 10:45 am | Break |

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| 10:45 – 11:30 am | Distribution system controls and automation – Barry Mather (NREL) and Kevin Schneider (PNNL) |
| 11:30 am – 12:15 pm | Forecasting load on distribution and transmission systems with distributed energy resources – Kevin McCabe (NREL) |
| 12:15 – 1:15 pm | Lunch |
| 1:15 – 2:00 pm | Impacts of distributed energy resources on transmission systems: The distribution/transmission interface – Barry Mather (NREL) |
| 2:00 – 3:15 pm 3:15 – 3:30 pm | Utility distribution planning 101 – Mike Coddington (NREL) and Kevin Schneider (PNNL) Break |
| 3:30 – 4:15 pm | Reliability metrics and reliability value-based planning – Joe Eto (LBNL) |
| 4:15 – 5:00 pm | PUC distribution planning practices – Lisa Schwartz (LBNL) and Juliet Homer (PNNL) |

March 8, 2019

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| 9:00 – 10:30 am | Benefit-cost analysis for utility-facing grid modernization investments – Tim Woolf (Synapse Energy Economics) |
| 10:30 – 10:45 am | Break |
| 10:45 – 11:30 am | Distribution planning and grid modernization – Paul De Martini (Newport Consulting Group) |
| 11:30 am – 12:30 pm | Emerging distribution planning analyses: Multiple scenario forecasts, hosting capacity analysis, locational net benefits analysis – Debra Lew (GE Energy Consulting) |
| 12:30 – 1:30 pm | Lunch |
| 1:30 – 2:15 pm | Walk-through of long-term utility distribution plans: <i>Part 1 - Traditional plans</i> - Lavelle Freeman (GE Energy Consulting) |
| 2:15 – 3:15 pm | Walk-through of long-term utility distribution plans: <i>Part 2 - Grid modernization plans and plans for high levels of distributed energy resources</i> - Debra Lew (GE Energy Consulting) |
