

Turning Energy Data into Action: Advancing your Clean Energy Strategy

AGENDA

National Renewable Energy Labs, Golden, CO | April 3-4, 2017

MONDAY, APRIL 3 | DAY 1 | ENERGY SYSTEMS INTEGRATION FACILITY B208 (MAXWELL)

- 8:30 AM** **Arrive at NREL East Site Entrance Building; Coffee Networking**
- 9:00 – 9:30** **Welcome, Purpose and Agenda Overview**
Debra Perry, Program Director, Institute for Sustainable Communities
Elizabeth Doris, Laboratory Program Manager, National Renewable Energy Labs (NREL)
- 9:30 – 10:00** **Roadmap to High Penetration Renewable Energy**
Elizabeth Doris
- 10:00 – 10:45** **Introduction to Data Tools and Experts**
- 10:45 – 11:30** **Highlights from the Field**
- 11:30 – 12:00 PM** **Team Huddle**
Teams meet to discuss their goals for the workshop, reflect on their progress on the roadmap and discuss the tools that are of greatest interest to them. This is an opportunity for each team to take stock of their current status and what they hope to achieve.
- 12:00 – 1:00** **Lunch**
Teams can split up and choose which of the following tables to join for lunchtime discussion:
1. **Buildings and Net Zero Neighborhoods** with *Shanti Pless, Senior Research Engineer, NREL*
NREL has developed a variety of tools to specifically help with energy efficiency and demand response in buildings. This discussion will summarize these tools and look at the natural extension of this work to the neighborhood or district scale.

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MONDAY, APRIL 3 | DAY 1, CONTINUED

2. **Renewable Energy Options Analysis** with Dylan Cutler, *Section Manager, NREL* and Emma Elgqvist, *Engineer, NREL*

This table will discuss the various strategies undertaken in prioritizing renewable energy technologies and financing structures at the campus and city scale.

3. **Data (Cities-LEAP)** with Megan Day, *Project Leader, NREL*

The DOE/NREL dataset was developed to provide subsector energy-use data to cities. This discussion will look at how other cities are currently using the data to inform energy policy and program prioritization decisions.

4. **Distribution Grid Integration** with Michael Coddington, *Principal Engineer, NREL*

This table will explore the technical challenges and opportunities for high penetration renewables on the grid.

5. **Next Gen Policy and Programs** with Lori Bird, *Energy Analyst, NREL* and Joyce McLaren, *Research Analyst, NREL*

For those ready to think beyond net metering and renewable portfolio standards, this table will discuss the current state and cutting edge of policies, programs and regulatory structures in which cities function, and how to work within those.

1:00 – 1:15

Break

1:15 – 2:30

Working Sessions

1. Atlanta with Joyce McLaren
2. Cook County and Erie County with Shanti Pless
3. Newark and Southeast Florida with Megan Day
4. Oak Park & River Forest and Fort Collins with Emma Elgqvist and Dylan Cutler
5. San Antonio, San Diego and San Jose with Michael Coddington
6. Washington, D.C. with Lori Bird

2:30 – 4:00

Stakeholder Engagement

Rachel Sullivan, *Senior Project Leader, Communications and Public Affairs Office, NREL* and Devonie McCamey, *Strategic Communication and Digital Media, NREL*

There is a case to be made for high penetration in a changing political climate. This interactive session will explore strategies, pitfalls and examples of how cities integrate data into their stakeholder engagement processes.

4:00 – 4:30

Team Report-outs and Wrap Up

TUESDAY, APRIL 4 | DAY 2 | RESEARCH SUPPORT FACILITY X326 (HUERFANO)

8:30 – 9:00 AM Arrive at NREL East Site Entrance Building; Coffee Networking

9:00 – 9:15 Overview of Day 1, Preview of Day 2

9:15 – 10:45 Working Sessions: Tool Deep Dive

Each session will spend 30 minutes each on SAM, SLED and REOPT.

10:45 – 11:30 Team Huddle

Teams meet to discuss insights they have gained at the workshop and how their new knowledge will advance their work. Team leaders prepare brief reports on three specific actions they will take to put this new information into practice when they return home.

11:30 – 12:30 PM Lunch and Networking

12:30 – 1:00 Wrap Up and Next Steps

1:00 – 3:00 NREL Tour

Bryan Hannegan, *Associate Laboratory Director, NREL*

This tour will provide an opportunity to see the new 3D Collaboration Room in the Energy Systems Integration Facility.