

2018 Resource Planners Forum

Two World Trade Center

25 SW Salmon Street

Portland, OR

Wednesday June 13, 2018

12:00 p.m. – 5:00 p.m.

Thursday June 14, 2018

8:00 a.m. – 12:00 p.m.

Wednesday June 13, 2018

12:00 p.m. – 5:00 p.m.

12:00 – 12:15 p.m. ***Welcome and Introductions***

12:15 – 1:45 p.m. ***Session 1: Distributed Energy Resources (DER) and the Drive to Improve Distribution Planning***

Panelists

- Chair, Lisa Schwartz, Lawrence Berkeley National Laboratory [[pdf](#)]
- Louise Bick, San Diego Gas & Electric [[pdf](#)]
- Haik Movsesian, Los Angeles Department of Water & Power [[pdf](#)]
- Josh Keeling, Portland General Electric [[pdf](#)]
- Ken Nichols, EQL Energy

Questions

- What are the potential benefits and costs of expanding more granular planning into the distributed sector?
- What is the appropriate strategy for distribution planning for individual utilities? How should planners balance the greater quantity and complexity of data?
- How should distributed planning be integrated with traditional IRP planning? Where in the process should distribution planning inform the IRP? And how might IRP plans inform distribution planning?

1:45 – 2:00 p.m. ***Break***

2:00 – 3:00 p.m.

Session 2: Planning with Uncertainty: Procurement, Retail Choice, and Community Choice Aggregation

Panelists

- Chair: Patrick Cummins, Center for the New Energy Economy
- Juan Pablo Carvallo, Lawrence Berkeley National Laboratory [[pdf](#)]
- Marc Reyes, NV Energy
- Simon Baker, California Public Utility Commission [[pdf](#)]

Questions

- What are the challenges for long term planning and load forecasting with the prospect of direct retail access, growing corporate demand for renewables, and new data centers?
- How do these factors impact the ability to reach traditional legislative/regulatory-prescribed resource mandates such as RPS and energy efficiency requirements?
- How do these demand-side changes to future loads impact the traditional regulatory compact between regulated utilities and society? What are the equity implications to different classes of customers?

3:00 – 3:15 p.m.

Break

3:15 – 5:00 p.m.

Session 3: Evaluating Battery Storage Technologies and its Role in Integrated Resource Planning

Panelists

- Chair, Mike Sheehan, Tucson Electric Power [[pdf](#)]
- James Barner, Los Angeles Department of Water & Power [[pdf](#)]
- Daniel Borneo, Sandia Laboratory [[pdf](#)]
- Lee Alter, Tucson Electric Power
- Louise Bick, San Diego Gas & Electric

Questions

- How should planners evaluate storage in their future IRPs (cost effective vs. mandate)?
- What is the current state of lithium ion energy storage projects?
- When and for what purpose will large scale battery storage be a cost-effective resource?
- What role will EVs play in this equation?
- What other battery storage technologies look promising for the future?

5:00 p.m.

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7:00 – 8:00 a.m. ***Breakfast***

8:00 – 10:00 a.m. ***Session 4: Planning Beyond RPS Toward Decarbonization Goals***

Panelists

- Chair: Franco Albi, Portland General Electric
- Elaine Hart, Portland General Electric [[pdf](#)]
- Andrew Mills, Lawrence Berkeley National Laboratory [[pdf](#)]
- Phillip Popoff, Puget Sound Energy
- Arne Olson, Energy and Environmental Economics
- Jason Eisdorfer, Oregon Public Utility Commission

Questions

- What are the best practices to plan for high penetrations of renewables or other decarbonization enabling technologies (DERs, EVs, beneficial end-use electrification)?
- How can a utility plan to attain low carbon goals? What tools and models are useful in this type of analysis?
- How to plan for electrification of the transportation and other sectors?
- What are the potential challenges for planners to reconcile goals on renewables and decarbonization?

10:00 – 10:15 a.m. ***Break***

10:15 – 12:00 p.m. ***Session 5: Planning for Regional Trade and Market Purchases***

Panelists

- Chair, Brian Turner
- John Fazio, Northwest Power and Conservation Council [[pdf](#)]
- Philip Popoff, Puget Sound Energy [[pdf](#)]
- Mike Sheehan, Tucson Electric Power
- Cathy Ehli, Bonneville Power Administration [[pdf](#)]
- Rick Link, PacifiCorp
- Donald Brooks, California Public Utilities Commission [[pdf](#)]

Questions

- What information do planners have now to evaluate future availability of regional power and capacity, and what information do they want?
- What are the resource adequacy implications of market purchases? What are the implications for long-term power/capacity contracts between utilities regionally?
- What regional studies improve the ability to estimate regional power/capacity availability, to have confidence in resource adequacy, or to strike deals?
- Could new PPA, capacity contract, transmission service, or other power market products improve feasibility of regional trade?