

# ***Understanding Impacts of High Renewable Penetration: An EPRI, DOE, NREL, EPA, EIA Multi-Model Exploration***

## **December 12, 2017**

The Capitol Hilton, 1001 16th ST NW, Washington DC

### TUESDAY, DECEMBER 12, 2017

TIME	TOPIC	PRESENTER
8:30 a.m.	<i>Continental Breakfast</i>	
9:00 a.m.	Welcome and Introductions	<i>David Hunter, Senior Government and External Representative, EPRI</i>
9:10 a.m.	The Importance of Modeling Renewable Energy: Policy and Modeling Considerations	<i>Steve Capanna, Director, Strategic Priorities and Impact Analysis, DOE</i>
9:20 a.m.	Capacity Expansion Models and the Electricity Sector: Impact of the EPRI, EIA, NEMS, and EPA models	<i>Francisco de la Chesnaye, Head, Energy and Environment Analysis, EPRI</i>
<b>Session 1</b>	<b>A Multi-Model Renewables Exploration: Study Design and Results</b> <i>Moderator: David Hunter, EPRI</i>	
9:30 a.m.	EPRI, DOE, NREL, EPA, EIA Variable Renewable Energy Multi-Model Project: Overview and Insights	<i>Wesley Cole, Energy System Modeler and Analyst, NREL</i>
9:50 a.m.	Insights into the Future of Variable Renewable Energy: A Multi-Model Perspective of the U.S. Electricity System	<i>John Bistline, Senior Technical Leader, EPRI</i>
10:10 am.	Discussion	
10:30 a.m.	<i>Coffee Break</i>	
<b>Session 2</b>	<b>Modelling High-Penetration Renewables: Insights and Perspectives</b> <i>Moderator: Christopher Namovicz, Team Leader for Renewable Electricity Analysis, EIA</i>	
11:00 a.m.	Insights from NEMS: 3 Keys to Renewables Modeling: Resolution, Resolution, and Resolution	<i>Cara Marcy, Renewable Electricity Analyst, EIA</i>
11:15 a.m.	Insights from IPM	<i>Ryan Sims, Economist, EPA</i>
11:30 a.m.	Insights from ReEDS: Better Models = Better Projections	<i>Bethany Frew, Energy Analyst, NREL</i>
11:45 a.m.	Insights from US-REGEN: The Importance of Capturing Renewable Co-Variation with Load	<i>David Young, Principal Technical Leader, EPRI</i>
12:00 p.m.	<i>Discussion</i>	
12:15 p.m.	<i>Networking Lunch</i>	
1:15 p.m.	<i>End</i>	