



# Energy Policy Forum

July 14 – 17, 2017

Aspen Meadows Resort  
845 Meadows Road  
Aspen, Colorado

Co-Chairs:  
Ernest Moniz and Anne Pramaggiore

## FRIDAY, JULY 14

Morning/Afternoon Arrivals and Check-In

6:30 – 9:30 pm **Opening Reception and Dinner – St. Regis Hotel (315 E Dean Street)**  
*Shuttles depart from the Meadows Reception Center beginning at 6:15 PM. It is also a scenic 25-minute walk into town.*

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## SATURDAY, JULY 15

All sessions will take place in the Lauder Room of the Koch Building.

7:00 – 8:30 am      **Breakfast - The Meadows Restaurant**

8:30 – 9:00 am      **Opening Session**

Introduction: **David Monsma**, Executive Director, Energy and Environment Program, The Aspen Institute

Welcome: **Ernest Moniz**, Professor, MIT; Former US Secretary of Energy  
**Anne Pramaggiore**, President & CEO, ComEd

9:00 – 10:15 am      **Session I: Electricity Distribution System – Implication of Technology on Policy and Policy on Technology**

A two-way, interactive, electric distribution system needs a combination of new technology, regulatory structure, appropriate rate making mechanisms, and security features to be successful and bring economic value and a clean energy future to the hundreds of millions of customers it services. What is the role of technology innovation in the smart grid, the value of distributed generation, and how does demand response and load shaping impact it?

Moderator: **Anne Pramaggiore**

Discussants: **Peter Fox-Penner**, Director, Institute for Sustainable Energy, Boston University  
**Sue Tierney**, Senior Advisor, Analysis Group  
**Jeffrey Taft**, Chief Architect for Electric Grid Transformation, PNNL  
**Kim Greene**, Executive Vice President & COO, Southern Company

10:15 – 10:30 am      **Break**

10:30 – 12:00 pm      **Session I: Continued**

12:00 – 1:30 pm      **Lunch - The Meadows Restaurant**

1:30 – 2:45 pm      **Session II: Bulk Power and the Future of Baseload Generation**

While periodically adjusted, current electricity market structures were designed for a 20<sup>th</sup> century electricity system. New technologies, business models, and consumer demands raise concerns about the relevance of these designs in the 21<sup>st</sup> century electricity marketplace. What is adequate and what are the risks of current electricity market structures in the context of market trends? How do new technologies and business models impact reliability? How does the need for or lack of need for baseload generation with high capacity factors impact long term planning?

Moderator: **Ernest Moniz**

Discussants: **Joseph Hezir**, Principal, Energy Futures Initiative  
**Paul Chodak**, Executive Vice President, Utilities, AEP  
**Cheryl LaFleur**, Acting Chairman, FERC  
**James Bushnell**, Professor, Department of Economics, UC Davis

- 2:45 – 3:00 pm      **Break**
- 3:00 – 4:30 pm      **Session II: Continued**
- 6:30 – 9:30 pm      **Forum Reception and Dinner – Hotel Jerome (330 E Main Street)**  
*Shuttles depart from the Meadows Reception Center beginning at 6:15 PM. It is also a scenic 20-minute walk into town.*

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## SUNDAY, JULY 16

- 7:00 – 8:30 am      **Breakfast - The Meadows Restaurant**
- 8:30 – 10:15 am      **Session III: Deep Decarbonization**  
 To reach deep decarbonization goals, in addition to scaling up clean energy technologies, improvement must be made in the electrification of buildings, some industry, and transportation, as well as improved efficiency. What are the pathways to get to deep decarbonization and what technologies and policies are needed?
- Moderator:      **Ernest Moniz**  
 Discussants:      **Judi Greenwald**, Principal, Greenwald Consulting  
                          **Kateri Callahan**, President, Alliance to Save Energy  
                          **Julio Friedmann**, Senior Advisor, Lawrence Livermore National Laboratory  
                          **David Sandalow**, Inaugural Fellow, Center on Global Energy Policy, Columbia University
- 10:15 – 10:30 am      **Break**

- 10:30 – 12:30 pm**      **Session IV: Rapidly Changing Electricity System and Technology-Enabled Value Creation – The Internet of Things and Transportation**
- The electricity system is changing rapidly. Two key areas that enable value creation for both the utility and the consumer are the Internet of Things (IoT) and transportation. What are the ways in which new technology add value to the system and what policies would help to enable this?
- Moderator:    **Anne Pramaggiore**  
 Discussants:   **Hannah Bascom**, Head of Regulated Energy Partnerships, Nest Labs  
                       **Tim Healy**, Chairman & CEO, EnerNOC  
                       **Jan Vrins**, Managing Director, Global Energy Practice Leader, Navigant  
                       **Bob Rowe**, President & CEO, NorthWestern Energy
- 12:30 – 2:00 pm**      **Lunch - The Meadows Restaurant**
- 2:00 – 3:00 pm**      **Session V: National Security and Cyber Security – The Role of the Electricity Sector and Regulatory Implications**
- Without access to reliable electricity, much of the economy and all electricity-enabled critical infrastructures are at risk. These infrastructures include our national security and homeland defense networks, which depend on electricity to carry out their missions to ensure the safety and prosperity of the American people. What are the cyber and physical issues with regard to the grid and how can utilities prepare?
- Moderator:    **Clint Vince**, Chair, Global Energy Sector, Dentons US  
 Discussants:   **Melanie Kenderdine**, Principal, Energy Futures Initiative & EJM Associates  
                       **Philip Moeller**, Executive Vice President, Business Operations Group and Regulatory Affairs, Edison Electric Institute
- 3:00 – 3:15 pm**      **Break**
- 3:15 – 4:00 pm**      **Session V: Continued**
- 4:30 – 6:00 pm**      **Optional – Aspen: A Walking Tour**
- This easy, guided hike will explore the Roaring Fork River and the town of Aspen. Participants are asked to meet in the lobby of the Aspen Meadows Reception Center by 4:30pm.
- No dinner is planned for this evening to allow participants to gather in small groups and explore Aspen – restaurant suggestions and reviews are available at [www.eataspen.com](http://www.eataspen.com) or the Aspen Meadows Reception Center.*

- 7:00 – 8:30 am      **Breakfast - The Meadows Restaurant**
- 8:30 – 10:00 am      **Session VI: North America – Grid Security and Integration**  
Historically, integration of the power systems of Canada, Mexico, and the US occurred by gradual, ad hoc, and regional adjustments implemented by an array of regional, public, and private stakeholders, reflecting the complex and fragmented jurisdictions in all countries. How will this collaboration on electricity and natural gas occur in the future? What are the other ways the countries can work together to enable a more secure grid?
- Moderator:      **Ernest Moniz**  
Discussants:      **César Emiliano Hernández Ochoa**, Deputy Secretary of Energy for Electricity, Ministry of Energy of Mexico  
                            **Drew Leyburne**, Director General, Strategic Policy, Department of Natural Resources of Canada  
                            **Nelson Cunningham**, President & Co-founder, McLarty Associates
- 10:00 – 10:15 am      **Break**
- 10:15 – 11:30 am      **Closing Session: Wrap Up**  
  
Moderators:      **Ernest Moniz and Anne Pramaggiore**
- 11:30 am              **Forum Adjourns**
- 12:00 – 2:00 pm      **Optional Lunch - The Meadows Restaurant**

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