

**ASPEN ENERGY WEEK**  
**DESIGNING TRANSITIONS FOR THE NEW ENERGY ECONOMY**

July 12—16, 2018  
Aspen, Colorado  
Co-Chairs: Ernest Moniz and Andy Karsner

**Thursday July 12**

Morning/Afternoon      **Arrivals and Check-In**

6:30 – 9:30 PM          **Opening Reception – Albright Pavilion and Davis Commons, Aspen Meadows Resort**  
Sponsored by: Tellurian and ComEd

**Friday July 13**

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

7:00 – 8:15 AM          **Breakfast – Davis Commons, Aspen Meadows Resort**

8:30 – 9:00 AM          **Opening Session**  
Introduction:    **Greg Gershuny**, Interim Director, Energy & Environment Program, Aspen Institute  
Welcome:        **Ernest Moniz**, President and CEO, Energy Futures Initiative  
                      **Andy Karsner**, Managing Partner, Emerson Collective

9:00 – 10:15 AM        **Session I:        Data Room: The U.S. Energy Landscape**  
This session will present numbers and forecasts on the current energy mix in the US and globally, an overview of international energy developments, electrification and decarbonization.

Moderators:    **Andy Karsner** and **Ernest Moniz**  
Discussants:    **Richard Newell**, Resources for the Future  
                      **Amy Myers Jaffe**, Council on Foreign Relations  
                      **Mark Stubbe**, Tellurian Inc.

10:15 – 10:30 AM      Break

10:30 – 12:00 PM	<p><b>Session II-A: The Role of States, Utilities, and Consumers in Designing Transition</b>  A discussion about the role of utilities, states and customers/consumers in designing transitions for the new energy economy. How do incumbents and insurgents complement each other? What are the emerging policy and market models for utilities and smart cities to work together, and what are the next steps in the transition? What do customers expect from energy and service providers? What do consumers and larger users of electricity want?</p> <p>Moderator: <b>Andy Karsner</b>  Discussants: <b>Anne Pramaggiore</b>, Exelon Utilities  <b>Asim Haque</b>, Public Utilities Commission of Ohio  <b>Bryan Hannegan</b>, Holy Cross Energy</p>
12:00 – 1:30 PM	<p><b>Lunch – Davis Commons, Aspen Meadows Resort</b></p>
1:30 – 2:45 PM	<p><b>Session II-B: The Role of States, Utilities, and Consumers in Designing Transition (Cont.)</b></p> <p>Moderator: <b>Ernest Moniz</b>  Discussants: <b>Michael Picker</b>, California Public Utilities Commission  <b>Michael Terrell</b>, Google  <b>Colette Honorable</b>, Reed Smith LLP  <b>Adam Browning</b>, Vote Solar</p>
2:45 – 3:00 PM	<p>Break</p>
3:00 – 4:30 PM	<p><b>Session III: Ensuring Social Equity in the Transition to Clean Energy Economy</b>  How are policy makers, regulators, investors, business leaders and energy service providers communicating with consumers and other constituents about the value proposition of providing reliable, safe, and affordable electricity (the Social Compact) expanded to include clean and resilient electricity (Social Compact 2.0)? How is public sentiment and consumer preference for clean energy changing and working for low income or rural communities? How do solutions for low income communities, like community solar, impact the compact?</p> <p>Moderator: <b>Ernest Moniz</b>  Discussants: <b>Sekita Grant</b>, Emerson Elemental  <b>Jay Griffin</b>, Hawaii Public Utilities Commission  <b>Steph Speirs</b>, Solstice</p>
6:30 – 9:30 PM	<p><b>Forum Reception and Dinner – Pine Creek Cookhouse</b>  (11399 Castle Creek Road, Aspen, CO)  <b>Shuttles will be available from the Doerr-Hosier Center area starting at 6:00 pm.</b>  Sponsored by: Emerson Collective</p>

## Saturday July 14

- 7:00 – 8:45 AM **Breakfast – Davis Commons, Aspen Meadows Resort**
- 9:00 – 10:30 AM **Session IV: Policy Innovation - A New Look at the Wholesale Electricity Markets**  
Wholesale electricity markets have struggled to address tensions created by state policies that favor intermittent energy sources in the generation resource mix. How can FERC, states, and other policy makers address both policy goals to have cleaner energy and to ensure the reliability of the grid with regard to capacity markets and balancing supply and demand?
- Moderator: **Ernest Moniz**  
Discussants: **Kathleen Barrón**, Exelon  
**Francis O’Sullivan**, MIT Energy Initiative  
**Pat Wood**, Wood3 Resources
- 10:30 – 10:45 AM Break
- 10:45 – 12:00 PM **Session V: Tough Technology and Innovation**  
Investments in “tough tech” and innovation incubators are more common than ever in working with startups to develop and deploy new technologies in areas like energy storage, fast charging, advanced materials, and energy generation technologies, like advanced nuclear technologies. How can this technology and innovation be harnessed and fostered to enable the energy transition most effectively?
- Moderator: **Andy Karsner**  
Discussants: **Michael Bruce**, Emerson Collective  
**Paul Chodak**, American Electric Power  
**Maryam Brown**, Sempra Energy  
**Julio Friedmann**, Energy Futures Initiative
- 12:00 – 1:30 PM **Lunch – Davis Commons, Aspen Meadows Resort**
- 1:00 – 3:00 PM **Optional Guided Hike – Aspen: A Walking Tour**  
This easy, guided hike will explore the Roaring Fork River and the town of Aspen. Participants are asked to wear comfortable shoes and meet in the lobby of the Koch Building by 1:00 PM.
- 5:00 – 6:00 PM **Public Event - Hurst Lecture Series – Doerr Hosier Center**  
Designing the Next Energy Economy: A Reality Based Discussion on the Future of Energy  
A discussion about the actions and solutions needed to transition the energy economy to a low carbon future. The discussants will talk about policy, technology, and market mechanisms and finance needed to make this transition possible.
- Featuring: **Ernest Moniz**, Energy Futures Initiative  
**Mary Nichols**, California Air Resources Board  
**Andy Karsner**, Emerson Collective

*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.*

## Sunday July 15

- 7:00 – 8:45 AM      **Breakfast – Davis Commons, Aspen Meadows Resort**
- 9:00 – 12:00 PM      World Cup Final – Viewing available in Lauder Room
- 12:00 – 1:00 PM      **Lunch – Davis Commons, Aspen Meadows Resort**
- 1:00 – 2:30 PM      **Session VI:      IT-Connected Technology and AI-Innovation in Energy**  
The autonomous built environment and additive manufacturing will also impact the energy sector. In a network of smart, integrated devices what new information technologies are being developed to revolutionize efficiency? What will the digital utility tell us about the electricity system? By 2020, the world will have around 50 billion connected devices integrated into and managing the built environment, presenting opportunities for energy savings and efficiency gains. AI, smart buildings, and smart machines can optimize systems to operate effectively with each other, potentially decreasing energy consumption.
- Moderator:      **Clint Vince**, Dentons US LLP  
Discussants:      **Aaron Berndt**, Google  
                         **Jan Vrins**, Navigant Consulting, Inc.  
                         **Gil Quiniones**, New York Power Authority  
                         **Jon Creyts**, Rocky Mountain Institute
- 2:30 – 2:45 PM      Break
- 2:45 – 4:30 PM      **Session VII:      Policy Innovation for Low Carbon Transition**  
What are the economic implications of building a deeply decarbonized electricity system? How could carbon pricing or clean energy standards impact the transition? What finance and policy tools exist for determining the mix of low carbon energy resources that will create tomorrow’s most resilient, cost-effective, and low-carbon electricity systems?
- Moderator:      **Jim Connaughton** and **Andy Karsner**  
Discussants:      **Mary Nichols**, California Air Resources Board  
                         **Jay Faison**, ClearPath Foundation  
                         **Melanie Kenderdine**, Energy Futures Initiative  
                         **David Hawkins**, NRDC
- 6:30 – 9:30 PM      **Forum Reception and Dinner – The St. Regis Aspen Resort**  
(315 E Dean St, Aspen, CO)  
**Shuttles will be available from the Doerr-Hosier Center area starting at 6:15 PM.**

## Monday July 16

7:00 – 8:45 AM

**Breakfast – Davis Commons, Aspen Meadows Resort**

Please plan to checkout of your room before resuming sessions today. You may coordinate your shuttle to the airport and leave your luggage with the front desk.

9:00 – 10:30 AM

**Session VIII:     Designing Transitions in the New Energy Economy  
                          Wrap up**

Moderator:     **Andy Karsner**

11:00 AM

**Forum Adjourns**

11:00 – 1:00 PM

**Optional Lunch – Davis Commons, Aspen Meadows Resort**

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