



**THE INAUGURAL ENERGY EFFICIENCY & SUPPLY FORUM**  
*Building on the 28-year history of the Energy Efficiency Forum and 10 years of the Energy Supply Forum*

**Thursday, November 15, 2018**

**The Embassy of Canada**  
 501 Pennsylvania Avenue, NW  
 Washington, DC

## Registration

By invitation only. Space is limited. Advance registration and a valid government-issued photo ID are required. Canadian Embassy will not accept walk-ins.

Please click here to RSVP  
 or  
<https://www.usea.org/node/2599/register>

Through our speakers and discussion, we will explore the dimensions of how technology to improve energy efficiency in production, development and delivery, including electricity delivery, go hand in hand with energy supply and a fully integrated energy system. Battery storage, distributed generation, smart microgrids, customers as ‘prosumers,’ the role of electric vehicles, algae R&D are all topics resonating across the energy sector. Distinguished guests will meet to explore the future implications and practical applications of these topics and more.

The Inaugural Energy Efficiency & Supply Forum builds on the 28-year history of the USEA-Johnson Controls Energy Efficiency Forum and 10 years of the USEA Annual Energy Supply Forum. More than 150 U.S. and international leaders from government and private industry have been invited to discuss the critical nexus between energy efficiency and supply which supports national and international energy policy agreements and local actions.

## AGENDA

<b>9:00 AM – 10:00 AM</b>	<b>REGISTRATION &amp; SECURITY CLEARANCE</b> (Refreshments)
<b>10:00 AM – 10:15 AM</b>	<b>WELCOME</b> <ul style="list-style-type: none"> <li>• Kirsten Hillman, Deputy Ambassador of Canada to the United States</li> <li>• Barry Worthington, Executive Director – United States Energy Association</li> <li>• Clay Nesler, Vice President, Global Energy &amp; Sustainability – Johnson Controls</li> </ul>
<b>10:15 AM – 11:15 AM</b>	<b>OPENING ADDRESSES</b> <b>ENERGY PRODUCTION AND CONSUMPTION – EMERGING TRENDS</b> <b>Session Chair: Majida Mourad, Vice President, Government Relations – Tellurian Inc.</b> <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Jay Khosla, Assistant Deputy Minister – Natural Resources Canada (NRCan)</li> <li>• Charles Patton, Executive Vice President, External Affairs – American Electric Power</li> <li>• The Honorable Lawrence Friedeman, Commissioner – Public Utilities Commission of Ohio</li> </ul>
<b>11:15 AM – 12:15 PM</b>	<b>IMPLICATIONS OF DIRECT USE OF FOSSIL ENERGY VS. ELECTRIFICATION</b> <i>One contentious issue our industry is confronting is the controversy of replacing direct use of natural gas, petroleum products (or even coal) with electric power. This is considered in the industrial, commercial, institutional and residential sector. Building codes, appliance efficiency ratings and climate targets are all effected. A compounding factor is that many electricity distribution utilities are also in the natural gas distribution business.</i> <b>Moderator: William Polen, Senior Director – United States Energy Association</b> <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Francisco de la Chesnaye, Ph.D., Senior Manager, Energy and Environmental Analysis – Electric Power Research Institute</li> <li>• David Carroll, President &amp; Chief Executive Officer – Gas Technology Institute</li> <li>• Allan Fogwill, President &amp; CEO – Canadian Energy Research Institute (CERI)</li> </ul>
<b>12:15 PM – 12:45 PM</b>	<b>THE POLITICS OF ENERGY AND CLIMATE CHANGE: POST U.S. MID-TERM ELECTIONS</b> <i>As the Forum is being planned, the composition of Congress post mid-term election is uncertain. Which party holds a majority in the House and Senate may affect the potential for legislative action related to energy, climate change, and other energy related environmental issues. One current and one former journalist will discuss this in a “fire-side chat” format.</i> <b>Moderator: Dipka Bhambhani, Director of Communications – United States Energy Association</b> <b>Panelist:</b> <ul style="list-style-type: none"> <li>• Amy Harder, Reporter – Axios</li> </ul>
<b>12:45 PM – 1:30 PM</b>	<b>LUNCH</b>
<b>1:30 PM – 2:15 PM</b>	<b>ENERGY SUPPLY AND EFFICIENCY – YOU NEED INFRASTRUCTURE</b> <i>Traditional energy suppliers are evolving their business models and operating practices in response to changing customer expectations. Some are embracing purchasing and owning renewables, considering energy storage, looking at demand response options, reviewing distributed energy alternatives, and revisiting their own role in energy efficiency. This session will discuss how the lines of energy efficiency and energy supply are blurred.</i> <b>Moderator: Barry Worthington, Executive Director – United States Energy Association</b> <ul style="list-style-type: none"> <li>• Dan Eberhart, Chief Executive Officer – Canary, LLC</li> <li>• Chris Lyons, Manager, Strategic Growth &amp; Special Projects – Solar Turbines, Inc.</li> </ul>
<b>2:15 PM – 3:15 PM</b>	<b>ENERGY EFFICIENCY INDICATOR STUDY</b> <i>Highlights from the 12<sup>th</sup> edition Global Energy Efficiency Indicator study will be presented and then a panel of energy technology, policy and finance experts will discuss implications of the study for energy efficiency, renewable energy, distributed resources and an integrated energy system.</i> <b>Presenter &amp; Moderator: Clay Nesler, Vice President, Global Sustainability and Industry Initiatives, Johnson Controls</b> <b>Commentators:</b> <ul style="list-style-type: none"> <li>• John Kliem, Executive Director – Resilient Energy Program Office, U.S. Navy</li> <li>• Jeff Eckel, President &amp; CEO – Hannon Armstrong</li> <li>• Dr. Robert Nachtrieb, Lead Scientist – Lutron Electronics</li> <li>• Lisa Bate, Chair – World Green Building Council</li> </ul>
<b>3:15 PM – 3:30 PM</b>	<b>COFFEE BREAK</b>

**3:30 PM – 4:30 PM**

**SUB-NATIONAL SUCCESS STORIES IN INNOVATION**

*Leaders from Alabama, Alberta, Maryland and Pennsylvania will share success stories on the implementation of innovative energy system technologies and programs in their cities, states and provinces.*

**Moderator: Maria Vargas, Director, Better Buildings Challenge and Senior Program Adviser – U.S. Department of Energy**

**Panelists:**

- Ted Atwood, Chief – Office of Sustainable Energy – City of Baltimore, Maryland
- Dr. Colin Coyne, Chief Strategy Officer – Samford University
- James Freihaut, Professor of Architectural Engineering, College of Engineering – PennState Institutes of Energy and the Environment
- Steve MacDonald, Chief Executive Officer – Emissions Reduction Alberta

**4:30 PM – 5:30 PM**

**THE ROLE OF ENERGY EFFICIENCY IN A RESILIENT AND SUSTAINABLE ENERGY SUPPLY**

*Resilience and sustainability are popular topics in energy policy conversations. Sometimes definitions are inconsistent. The United States is in an era of energy abundance, not scarcity, for the first time in over 40 years. With energy supplies becoming increasingly safe, reliable, affordable and clean, how should society value energy efficiency?*

**Moderator: Sheila Hollis, Partner and Chair, Washington Office – Duane Morris, LLP**

**Closing Keynote:**

- The Honorable Lisa Murkowski, U.S. Senate; Chairman – U.S. Senate Energy and Natural Resources Committee and Senate Appropriations Interior and Environment Subcommittee

**Panelists:**

- John Betkoski, President – National Association of Regulatory Utility Commission (NARUC); Vice Chairman, Connecticut Public Utilities Regulatory Authority
- Jason Hartke, President & CEO – Alliance to Save Energy

**5:30 PM**

**CLOSING REMARKS**

Barry Worthington – United States Energy Association/ Clay Nesler – Johnson Controls

**5:30 PM – 7:00 PM**

**RECEPTION – CANADA ROOM**