Sunday, August 7
Room W190

1:30 – 2:30 p.m.  A New Energy Outlook

While the EPA Clean Power Plan lies in suspended animation as the federal courts determine its future, utilities and states are making critical energy planning decisions with an eye on a rapidly changing environment. How are regulators, policymakers and the energy industry making decisions when it comes to energy investments, given the risks posed by rapid technology, market and regulatory changes? This expert panel will discuss this question, explore energy trends, the influence of state and federal policy, and discuss ways to make smart energy investments.

Alice Jackson, Regional Vice President for Rates & Regulatory Affairs, Xcel Energy

Anthony Yuen, Director of Global Energy Strategist Commodities, Citigroup

Resources:

- States' Reactions to EPA Greenhouse Gas Emissions Standards (including 2016 State Action)
- Power Shift: Lawmakers Face Clean Power Plan, Now on Hold
The Evolving Electric Grid

New technologies are rapidly changing the energy landscape, causing major shifts in the way energy is produced, managed and consumed. This energy transition offers opportunities for innovative companies, utilities and states to create a more responsive, flexible, and resilient electric system where energy consumers play a much larger role. This session will explore how technologies are changing the operation of the grid, driving the creation of new markets, and how the policy environment shapes these changes.

Mark McGranaghan, Vice President of Distribution & Energy Utilization, Electric Power Research Institute

Commissioner Ann McCabe, Illinois Commerce Commission

Resources:
- The New Energy Revolution, SL Magazine, 2/14

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:30 –3:45 p.m.</td>
<td>The Evolving Electric Grid</td>
</tr>
<tr>
<td>3:45 – 4 p.m.</td>
<td>Break</td>
</tr>
<tr>
<td>4 – 5 p.m.</td>
<td>Taking to the Skies: Drones Transform Energy Business</td>
</tr>
</tbody>
</table>

Taking to the Skies: Drones Transform Energy Business

Unmanned aerial vehicles (UAVs) or drones are widely known for their use in military applications, but many companies across the energy sector are finding them to be a useful tool to ensure the nation’s critical energy assets—such as pipelines or substations—are inspected and maintained. This session will examine the opportunities for UAVs in the energy sector as well as the current policy challenges that will need to be overcome.

Amanda Essex, Policy Associate, National Conference of State Legislatures

Alex Zektser, Regulatory Attorney, Federal Aviation Administration

Matthew Seibert, Engineer, CMS Energy

Resources:
- Taking Off State Unmanned Aircraft Systems Policies

Monday, August 8

Room W190

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 – 8:15 a.m.</td>
<td>Breakfast</td>
</tr>
</tbody>
</table>
## The Electric Vehicle Revolution

Electric vehicles have the potential to transform the way we fuel transportation and automakers, states and utilities are racing to play a part in this transformation. At least 24 plug-in electric vehicle models are currently available in the U.S. and many states are considering a variety of incentives to promote hybrid and plug-in electric vehicle adoption. As the demand for infrastructure and charging stations grows, will utility infrastructure be able to handle these new demands? This session will look at what lies ahead for the electric vehicle market and explore innovative approaches for dealing with the potential for widespread adoption.

*Anne Smart, Director of Government Relations & Regulatory Affairs, ChargePoint*

*Kellen Schefter, Manager of Sustainable Technology, Edison Electric Institute*

**Resources:**
- [State Efforts Promote Hybrid and Electric Vehicles](#), updated 6/29/2015

## Weathering the Storm—Risk, Vulnerability and the Electric Grid

The electric grid may be the most critical component of modern society, powering our homes and workplaces; delivering heating, cooling and fresh water; and sustaining the operation of our economy. When storms, cyber-attacks, technology failures and other incidents take down the grid, the results can be devastating for individuals, communities and state economies. This session will explore risks faced by the modern grid, the costs of power failure, and approaches for securing the grid against the most serious threats.

**9:15 a.m. – Federal and Industry Actions to Address Risks**

*Scott Aaronson, Managing Director of Cyber & Critical Infrastructure Security, Edison Electric Institute*

*Devon Streit, Deputy Assistant Secretary for Infrastructure Security and Energy Restoration, U.S. Department of Energy*

*Duane Highley, President and Chief Executive Officer, Arkansas Electric Cooperative Corp.*

**10 a.m. – Keynote**

Conversation with *Ted Koppel*, journalist and author of *Lights Out: A Cyberattack, A Nation Unprepared, Surviving the Aftermath*

**Resources:**
- [Ever-Ready Energy, SL Magazine, 5/3/16](#)
- [State Efforts to Protect the Electric Grid, 4/18/16](#)
### The Rise of Renewables

Solar and wind are growing at an astounding rate, and their expected additions to the grid will even surpasses the gas for 2016 and 2017. How far will renewables go as their prices continue to drop? As they become growth leaders in the energy mix, what will it mean for utilities and those tasked with maintaining the grid? What is the role of the market and state policy? This session will feature industry and thought leaders providing a dynamic exploration of these questions.

**Lyndon Rive**, Co-Founder and Chief Executive Officer, SolarCity  
**Tom Kiernan**, Chief Executive Officer, American Wind Energy Association  
**Anne Pramaggiore**, Chief Executive Officer, Commonwealth Edison

### Resources:
- [Integrating Renewable Energy](#), 6/16  
- [The Rundown on Renewable Energy Standards](#), *SL Magazine*, 6/16  
- [State Renewable Portfolio Standards and Goals](#), Updated 3/23/2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 11 a.m. – 12:15 p.m. | **The Rise of Renewables**  
Solar and wind are growing at an astounding rate, and their expected additions to the grid will even surpasses the gas for 2016 and 2017. How far will renewables go as their prices continue to drop? As they become growth leaders in the energy mix, what will it mean for utilities and those tasked with maintaining the grid? What is the role of the market and state policy? This session will feature industry and thought leaders providing a dynamic exploration of these questions.  
**Lyndon Rive**, Co-Founder and Chief Executive Officer, SolarCity  
**Tom Kiernan**, Chief Executive Officer, American Wind Energy Association  
**Anne Pramaggiore**, Chief Executive Officer, Commonwealth Edison  
**Resources:**  
- [Integrating Renewable Energy](#), 6/16  
- [The Rundown on Renewable Energy Standards](#), *SL Magazine*, 6/16  
- [State Renewable Portfolio Standards and Goals](#), Updated 3/23/2016 |
| 12:15 – 12:45 p.m. | Lunch                                     |
| 12:15 – 12:45 p.m. | **Book Signing with Ted Koppel**  
NCSL will have a limited number of free copies of *Lights Out: A Cyberattack, A Nation Unprepared, Surviving the Aftermath* available to legislators and legislative staff. |

### NCSL Contacts

Glen Andersen, Program Director  
Glen.Andersen@ncsl.org, (303) 378-5891  
Kristy Hartman, Program Manager  
Kristine.Hartman@ncsl.org, (720) 372-6443