

2011 National Electricity Forum

*Collaborating for our Electric
Future*

February 16-17, 2011 •

Renaissance Hotel • Washington, DC

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Agenda

Draft Agenda – [PDF 201 KB](#) (as of February 15, 2011)

Agenda-at-a-Glance – [PDF 89 KB](#)

* - *Invited, but not confirmed*

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Wednesday, February 16, 2011

7:00 am – 8:30 am **Registration**

OPENING KEYNOTE SESSION

8:15 am - 8:35 am **Welcome**

- **Honorable Tony Clark**,
Commissioner,
North Dakota Public
Service Commission
and 2011 NARUC
President
- **Honorable Patricia Hoffman**, DOE
Assistant Secretary
for Electricity
Delivery and Energy
Reliability

8:35 am - 9:00 am **Keynote Address**

- **The Honorable Ed Whitfield** (R-KY),
Chairman,
Subcommittee on
Energy and Power,
Committee on
Energy and
Commerce, U. S.

		House of Representatives
	9:00 am - 10:00 am	<p>Keynote Panel with National Thought Leaders:</p> <p>Perspectives from the Nation's Thought Leaders on Collaborative Efforts to Modernize the Nations Electricity System Infrastructure</p> <p>As the Nation continues to grapple with a weak economy, there nonetheless continues to be pressures on the electricity infrastructure to move forward with the deployment of new technologies and polices that will provide clean, affordable and reliable electricity to consumers. New generating technologies must be integrated, many of which such as renewables solve some problems but create other challenges. A possible move to heavy use of "plug-in hybrid electric vehicles," for example has the potential to radically change the nature of the needs that the electricity infrastructure must meet. You will hear from the Nation's thought leaders on what will be needed in planning, financing, and building a clean electricity future. Keynote panelists will discuss the efforts to modernize the Nation's electricity infrastructure.</p> <p>The Keynote Panelists may address some of these questions:</p> <ul style="list-style-type: none">• What are the primary challenges, game changers and barriers facing market, industry and policymaker participants today in meeting the goals of clean, reliable and affordable electricity?• Is the goal of clean electricity still viable?• What collaborations are at work and what new ones are possible?• What are the challenges and possible solutions for infrastructure build-out,

		<p>maintenance and operation?</p> <ul style="list-style-type: none">• What are the technologies, fuels, structures and regional systems that will most impact the electricity industry of tomorrow, and how will the right ones get chosen?• How are state and federal regulators and other stakeholders working to meet today's challenges? What needs to change in the future?• How will consumers be impacted and what is their role? <p>Speakers:</p> <ul style="list-style-type: none">• Dale Bryk, Director, Air and Energy Program, Natural Resources Defense Council• Jack Fusco, Chief Executive Officer, Calpine Corporation and Chairman, Electric Power Supply Association Board of Directors• Mary Healey, Consumer Advocate of Connecticut and President National Association of State Utility Consumer Advocates• Richard C. Kelly, Chairman, President, and Chief Executive Officer, Xcel Energy and Chair, Edison Electric Institute Board of Directors• Steve Whitley, President and Chief Executive Officer, New York Independent System Operator <p>Moderator:</p> <ul style="list-style-type: none">• Matthew Wald, Senior Washington Bureau	
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	Correspondent, <i>The New York Times</i>
BREAK	
10:00 am - 10:15 am	Networking Break
10:15 am – 11:00 am	<p>Congressional Efforts to Modernize the Nation's Grid</p> <p>What Role Will Congress Play in Modernizing the Nation's Electricity Infrastructure? A Discussion with Industry and Regulatory Leadership</p> <p>As the 112th Congress gets underway, there is much debate about what legislation that will impact the electricity infrastructure will be considered. The 111th Congress was unable to pass climate change legislation for a clean energy economy and questions remain about whether Congress can, or should, pass comprehensive energy legislation that includes climate change language, a renewable electricity standard, and other legislative issues that impact the electricity delivery system. This session will hear from the experts who represent various trade groups and NARUC discuss the prospects of electricity legislation in the 112th Congress.</p> <p>The Congressional Expert Panel may address some of these questions:</p> <ul style="list-style-type: none"> • Should there be a national renewable electricity standard and what are the chances of passage in the new Congress? • Will Congress deal with electricity infrastructure issues such as funding for R&D of electric vehicles, electric vehicle charging stations and the impact of electric vehicles on the reliability of the grid? • How will climate change be addressed in the

		<p>112th Congress? If not in a comprehensive format, what aspects of emissions control will Congress address?</p> <ul style="list-style-type: none"> • How will Congress address issues pertaining to long-term electricity infrastructure planning? • Will Congress consider transmission-only legislation to facilitate renewables integration? <p>Speakers:</p> <ul style="list-style-type: none"> • Joy Ditto, Vice President of Legislative Affairs, American Public Power Association • Glenn English, Chief Executive Officer, National Rural Electric Cooperative Association • Charles Gray, Executive Director, National Association of Regulatory Utility Commissioners • David Owens, Executive Vice President, Business Operations, Edison Electric Institute • John Shelk, President and Chief Executive Officer, Electric Power Supply Association <p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Kevin Gunn, Commissioner, Missouri Public Service Commission and Chair, NARUC Washington Action
BREAK		
	11:00 am - 11:15 am	Networking Break

	11:15 am - 12:15 pm	<p>Electricity System Planning -- Developing Plans and Collaborating on Outcomes</p> <p>Generation and transmission planning are the subjects of a great deal of discussion, particularly now that the FERC proposed rule on transmission planning and cost allocation, when final, may help improve transmission planning processes both within and between planning regions. Also, the DOE-sponsored interconnection-wide planning projects have brought additional groups of stakeholders into the planning process, and planning transmission over such large areas raises new planning and coordination challenges. For example, transmission planning and the development of additional transmission are often essential to timely and reliable integration of increased variable resources into the grid. This session will explore a number of topics and challenges concerning long term infrastructure planning, such as:</p> <ul style="list-style-type: none">• What is the value-added associated with planning for 10- 20- and 50-year time horizons?• What is the value-added associated with planning at sub-regional, regional, and interconnection-level scales?• What are the principal kinds of uncertainty that must be addressed, and how can they be managed?• Who uses the outputs from these planning processes, and for what?• What public policy concerns should be incorporated into these planning processes? How do the planners decide what objectives they should try to
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optimize or balance?

- Some planners say that "the collaborative analysis phase is the easy part; collaborative planning is more challenging." Would you agree? Are there conditions that are conducive or essential to success in collaborative planning?
- The interconnection-level planning efforts supported with Recovery Act funds are new. What would success look like for these projects?
- Cost allocation for transmission remains a major source of controversy and uncertainty. Is progress in dealing with cost allocation critical to more successful transmission planning?

Speakers:

- **Honorable Kevin Gunn**,
Commissioner,
Missouri Public
Service Commission
and Chair, NARUC
Washington Action
- **Honorable Cheryl LaFleur**,
Commissioner,
Federal Energy
Regulatory
Commission
- **Brad Nickell**,
Director of
Transmission
Planning, Western
Electric Coordinating
Council
- **David Whiteley**,
Project Manager,
Eastern
Interconnection
Planning
Collaborative

	<p>Moderator:</p> <ul style="list-style-type: none"> • David Meyer, Senior Advisor, DOE Office of Electricity Delivery and Energy Reliability
LUNCH	
12:15 pm – 1:15 pm	<p>LUNCH</p> <p>Renaissance Ballroom</p> <p>Let's Hear from the Regulators: Current Collaborative Regulatory Efforts to Modernize the Nation's Electricity Power System</p> <p>A panel representing the US Department of Energy, Federal Energy Regulatory Commission and the States will address ongoing collaborations on electricity infrastructure system modernization efforts</p> <p>Possible Speakers:</p> <ul style="list-style-type: none"> • Honorable Garry Brown, Chairman, New York State Public Service Commission and Chair, NARUC Electricity Committee • Honorable Jon Wellinghoff, Chairman, Federal Energy Regulatory Commission
BREAKOUT SESSION #1	
1:30 pm - 2:30 pm	<p>Securing the Grid: Collaborative Efforts Are Underway to Ensure Physical and Cyber Security on the Electricity Infrastructure</p> <p>As the electric grid expands into a larger interconnected network increasingly reliant on intelligent communications and control, questions loom about whether the grid will be vulnerable to heightened threats to physical and cyber attack at both the transmission and distribution levels. Many collaborative efforts are underway to determine how to harmonize the system so that the bulk power system cannot be compromised and create</p>

system-wide outages and resulting chaos. States and regions are working together on many aspects of system security, including what standards are needed. This session will address what policies are needed to successfully secure the grid in a cost effective way.

The panel may address some of these questions:

- What are the resources needed to secure the grid from both physical and cyber attack? Who is responsible for providing the resources?
- What are the challenges to making the grid secure? How can those challenges be overcome in a timely manner?
- Is collaboration on system security working? Are there lessons learned from specific collaborative efforts: What other collaborative efforts are needed?
- Should states have security grid standards or should there be only national security standards? What should security standards include?
- What are the security implications at the end user level? At the grid level?

Speakers:

- **Margaret E. McDermid**, Senior Vice President, Information Technology & Chief Information Officer, Dominion Resources, Inc.
- **Patrick Miller**, Chief Executive Officer of the National Electric Sector Cybersecurity Organization

		<ul style="list-style-type: none"> • John Procaro, Chief Executive Officer, American Transmission Company and Member, North American Electric Reliability Corporation Electricity Sub-Sector Coordinating Council • Bill Sanders, Director, Trustworthy Cyber Infrastructure for the Power Grid Center, University of Illinois • James St. Pierre, Deputy Director, Information Technology Laboratory, National Institute of Standards and Technology <p>Possible Moderator:</p> <ul style="list-style-type: none"> • Honorable Paul Centolella, Commissioner, Ohio Public Utilities Commission and Member, Smart Grid Interoperability Panel
BREAKOUT SESSION #2		
	1:30 pm - 2:30 pm	<p>Energy Efficiency as a Resource to Support Reliability: Mechanisms that Are Working</p> <p>Great progress is being made in many regions of the country to more fully recognize the electricity resource value of energy efficiency and employ it to maintain system reliability at least cost. Historically under recognized for its contribution to reliability, energy efficiency is now being more fully integrated into wholesale capacity markets, resource planning, and transmission planning efforts. System operators now have direct experience with the use of energy efficiency to meet capacity requirements. This session will present the latest experience and lessons learned on this important topic.</p>

This panel may address these questions:

- What are state, regional, and federal policy makers doing to incorporate energy efficiency as a reliability resource? What is industry doing?
- What challenges have been found; what creative solutions have been developed?
- What utility business models are the most successful in positioning energy efficiency as a reliability resource?
- How can the risk-mitigation value of deferring the need for new generation be accounted for?
- Can reliability rules be modified to make them more applicable to energy efficiency as a resource?
- Would specific changes to FERC policies help?
- What changes in state policies should be implemented?

Speakers:

- **Tom Eckman**,
Manager,
Conservation
Resources,
Northwest Power
Planning Council
- **Honorable Edward S. Finley, Jr.**,
Chairman, North
Carolina Utilities
Commission
- **Janine Migden-Ostrander**,
Consumers' Counsel,
Ohio Consumers'
Counsel
- **Lisa Wood**,
Executive Director,
Institute for Electric
Efficiency

	<p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Kathleen Hogan, Deputy Assistant Secretary for Energy Efficiency, US Department of Energy
BREAK	
2:30 pm - 2:45 pm	Networking Break
BREAKOUT SESSION #3	
2:45 pm - 3:45 pm	<p>Demand Response Programs: What Programs and Collaborative Efforts are Needed to Successfully Deploy Demand Response?</p> <p>Effective demand response can enhance reliability, reduce load on the electric system, and reduce price volatility. A coordinated effort by federal and state regulators as well as consumers and utilities is needed to achieve the nation's potential for cost-effective demand response. This session will focus on the new programs needed to ensure future demand response deployment that meets the needs of consumers. It will also consider the interplay between retail and wholesale demand response programs.</p> <p>The panel may address some of these questions:</p> <ul style="list-style-type: none"> • Are there specific utility business models that successfully deploy demand response that should serve as models? • What do consumers need to embrace demand response programs? • Are new federal policies needed to help state programs designed to achieve cost effective demand response? • What collaborative efforts are needed to achieve greater demand response penetration? What

		<p>collaborative efforts have been successful, and what lessons can we learn from them?</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Honorable John Norris, Commissioner, Federal Energy Regulatory Commission • DeWayne Todd, Energy Services Manager, Alcoa Power • Tom VanParis, Vice President, Member Services and Communications, Hoosier Energy • Audrey Zibelman, President, Viridity Energy <p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Phyllis Reha, Commissioner, Minnesota Public Utilities Commission and Co-Chair, NARUC/FERC Smart Response Collaborative
BREAKOUT SESSION #4		
	2:45 pm - 3:45 pm	<p>Discussion on the Issues Affecting the Development of Natural Gas as a Bridge Fuel for Electric Generation</p> <p>With the huge growth in domestic low-cost unconventional gas (shale and coal bed methane), many are viewing natural gas as a bridge fuel towards increased renewable energy usage. Electricity demand growth, the likelihood of continued carbon regulatory constraints, and generation support needed for higher penetrations of renewable energy all indicate a growing need for natural gas. However, industry experts point to an array of issues affecting the development of natural gas as a bridge fuel for electric generation.</p> <p>Industry stakeholders have expressed uncertainty about</p>

attracting investments in pipeline construction and are concerned about remedial costs associated with the volatile oil and natural gas market. Although short-term transactions for commodity gas and short-duration pipeline contracts now dominate the U.S. gas market, both buyers and sellers may be willing to consider long-term contracting. Some renewable energy advocates are eyeing this currently cheap source of a cleaner-burning fuel as a competitor in the race towards low emissions electricity generation. Others see it as a segue into higher renewable energy penetration given the rising number of states with renewable portfolio standards. Although new drilling technologies have enabled the industry to tap into reserves that were previously out of reach, some observers claim that the technique known as hydraulic fracturing has serious environmental consequences.

Questions:

- How long can natural gas be economically sustained as a bridge fuel towards renewable energy?
- How should the industry plan for higher use of natural gas, given its volatile nature in the marketplace?
- Should long-term contracting be part of a gas procurement portfolio?
- How should industry address investment constraints associated with pipeline build-out?
- Will unconventional natural gas help or hurt the renewable energy industry, and how so?

Speakers:

- **Honorable Jim Gardner**,
Commissioner,
Kentucky Public
Service Commission

	<ul style="list-style-type: none"> • Robert Gee, President, Gee Strategies, LLC • Ron Jibson, Chief Executive Officer, Questar • Phil Ribbeck, President, Repsol Energy North America and Repsol Energy Canada <p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Tim Simon, Commissioner, California Public Utilities Commission and Chair, NARUC Gas Committee
BREAK	
3:45 pm - 4:00 pm	Networking Break
5:00 pm - 5:30 pm	<p>Environmental Regulations and Impacts on Electricity System Infrastructure – Can Government and Industry Collaborate on Emissions Reduction Impacts?</p> <p>EPA is set to propose a series of regulations that could impact the electric power system reliability, including regulations on cooling water intake structures, coal ash disposal, multi-pollutant regulations and greenhouse gas (GHG) emissions, among others. This session will discuss possible courses of action in light of Congressional inability to address GHGs and other emissions and how regulation could affect electricity markets, reliability and end users; and how government and private entities can work together to ensure the industry's impressive record of affordable and reliable electric service is sustained.</p> <p>This panel may address some of these questions:</p> <ul style="list-style-type: none"> • How should environmental requirements be most effectively managed to have the least impact on the electric system

infrastructure?

- What is the role of states in implementing environmental regulations and ensuring electric system reliability going forward? What is the role of industry? Other stakeholders?
- How can government and industry collaborate to make the necessary reductions while minimizing the impact on consumers?

Speakers:

- **Honorable Ron Binz**, Chairman, Colorado Public Utilities Commission and Chair, NARUC Climate Task Force
- **Dan Eggers**, Managing Director, Credit Suisse
- **Honorable Gina McCarthy**, Assistant Administrator, Air & Radiation, US Environmental Protection Agency
- **Susan Tierney**, Principal, Analysis Group
- **Anthony J. Topazi**, Executive Vice President & Chief Operating Officer, Southern Company

Moderator:

- **Richard Cowart**, Principal, Regulatory Assistance Project and Chair, DOE Electricity Advisory Committee

RECEPTION

5:30 pm - 6:30 pm

Wine & Cheese Reception

Thursday, February 17, 2011

7:30 am - 8:30 am	Continental Breakfast
8:30 am - 9:00 am	Special Address <ul style="list-style-type: none"> • <i>Phil Weiser</i>, Senior Advisor for Technology and Innovation, National Economic Council, the White House
9:00 am - 10:00 am	Innovation Versus Regulation: Will These Two Worlds Collide or Can They Collaborate? <p>As utilities work to modernize the electric grid, innovators are busy devising new technology solutions to make the grid more operationally efficient, reliable, secure, and clean. But utilities, their regulators, and the consumers they serve cannot risk failure of technologies that don't guarantee financial or operational success. How then can we fund innovation on the grid? How do we build technological competency and a new manufacturing base that can compete with China's growing technological prowess when our system will not allow it?</p> <p>This panel convenes investors, utilities, and regulators to discuss how these worlds—one high risk with the potential for game-changing and economic success; one low risk with no room for failure and the need to continue stable operations—can possibly collaborate for the benefit of everyone on the grid.</p> <p>The panel may address some of these questions:</p> <ul style="list-style-type: none"> • Is high risk venture capital funding being used to deploy solutions in the lower-cost-of-capital utility ecosystem? • Does innovation have to be limited to one-off pilots such that scale deployment is nearly impossible? • How can utilities be incentivized to invest in technology

		<p>solutions that could adversely impact the amount of electricity they sell?</p> <ul style="list-style-type: none"> • How can state regulators build the bridge between new technology innovation and their regulated utilities? • Are there new funding mechanisms and solutions that would help both innovators and utilities? <p>Speakers:</p> <ul style="list-style-type: none"> • Charles McDermott, General Partner, RockPort Capital Partners, LP • Honorable Erin O'Connell-Diaz, Commissioner, Illinois Commerce Commission • Sean Petersen, Director, Good Energies <p>Moderator:</p> <ul style="list-style-type: none"> • Michael Liebreich, Chief Executive Officer, Bloomberg New Energy Finance
	10:00 am - 11:00 am	<p>Operational Challenges of the Future: Maintaining Grid Reliability with New Tools and Approaches. What Do Grid Operators Need to Respond to New Technologies Being Deployed?</p> <p>Around the world, there are rising penetrations of exciting new technologies such as variable renewable generation resources, electric vehicles, smart meters (and the demand response programs such as dynamic pricing that they enable), and commercial-scale load-shifting technologies. They provide terrific opportunities to improve productivity, cost-effectiveness and job growth, while providing positive environmental benefits. However, these end-user and generation technologies will give power system</p>

		<p>operators entirely new uncertainties to manage.</p> <p>As a result, grid operations will have to significantly change to maintain reliability while maximizing the use of system assets. Many promising new technologies are coming online to help grid operators manage that uncertainty. New technologies increase grid monitoring and control capabilities, system awareness, and flexibility in responding to system conditions. With the adoption of smart grid technologies, data availability is rising exponentially, but our ability to use the data effectively is still evolving. Operators of the control system of the future will have to have a new set of forecasting and decision-making tools to insure power system reliability and stability under uncertainty. However, in many cases, the applications and procedures to use those new capabilities are still under development, or not even fully envisioned. In addition, system operators will need new rules of the road, and possibly the adoption of new market rules, to operate a system that is experiencing such widespread deployment of innovative technologies.</p> <p>This session will review efforts being undertaken to deploy new grid management tools to accommodate the rapidly changing nature of the electric system in a manner that maximizes both system reliability and the value of system assets. The panelists will also address how collaboration can help increase adoption rates without degrading system reliability.</p> <p>The panel will seek to answer the following questions:</p> <ul style="list-style-type: none">• What new operational risks do innovations in end-use and generation technologies introduce and why are changes in historical grid operations needed?• Will vast improvements in situational awareness made
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		<p>possible by new smart grid technologies be sufficient for maintaining reliability with high penetration of variable resources?</p> <ul style="list-style-type: none">• What new tools and technologies will best assist system operators to manage uncertainty in the grid?• What are the institutional and human resource barriers to deploying cutting edge new tools and technologies?• What policies should be put in place to ensure that the grid can accommodate the widespread deployment of electric vehicles?• At what level does energy storage technology deployment begin to really change the operation of the electric power system?• Should system operators collaborate on needed changes or is each regional system unique? <p>Speakers:</p> <ul style="list-style-type: none">• Jay Caspary, Director, Southwest Power Pool• Mike Kormos, Senior Vice President for Reliability Services, PJM Interconnection• Elliot Mainzer, Executive Vice President, Corporate Strategy, Bonneville Power Administration• Dennis Ray, Deputy Director, Power Systems Engineering Research Center	
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	<p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Gil Bindewald, Acting Deputy Assistant Secretary for Permitting, Siting and Analysis, US Department of Energy
BREAK	
11:00 am - 11:15 am	Networking Break
11:15 am - 12:15 pm	<p>Operational Challenges of the Future: What Changes Are Needed -- Technologically, Institutionally, Behaviorally and Economically -- to Accommodate a High Penetration of Renewable Generation?</p> <p>In the previous session, we discussed new technologies that both effect grid operations and offer opportunities for mitigating new uncertainties. In this session, we will continue the discussion of operational challenges by exploring what lessons have been learned already from adoption of new technologies, and to explore visions of comprehensive solutions to the new challenges they pose. The deployment of increasing amounts of on-shore and off-shore wind power, solar power, new hydropower facilities, biomass generation, small scale nuclear plants and a host of other new generating technologies, many of which have variable output, will require significant changes to the current electrical system in order to maintain grid reliability and maximize the use of system assets. The deployment of new technology can facilitate many of these needed system changes, but other changes will be needed as well. New economic incentives, new institutional structures and changes to consumer behavior may also need to play a role in assuring that a future electrical system relying on a high percentage of renewable resources can remain stable and reliable.</p> <p>Several recent studies address the</p>

long-term potential for high levels of penetration by renewables. However, these studies do not address in detail the policies, processes, and institutions needed to ensure that reliability or economic efficiencies would be maintained during a protracted and far-reaching transition process. The US can also learn from various efforts being undertaken in other countries to integrate renewable resources onto the grid and to enhance the reliability of various electric power systems; for example, Spain has 35% solar penetration, Denmark is a leader in wind power, and China is deploying all of the latest energy advancements available.

The panel will seek to answer the following questions:

- What has been learned from domestic and international experiences in adoption of new demand response and renewable generation technologies?
- What changes in consumer behavior can grid operators and regulators encourage, which facilitate the integration of large amounts of variable generating resources?
- How will distribution systems have to change to accommodate the new technologies?
- Do energy efficiency improvements help facilitate operational reliability when there is a high penetration of variable resources?
- What policies, processes, investments, and institutions are needed to ensure reliability during a protracted transition

		<p>to high levels of renewables?</p> <ul style="list-style-type: none"> • Can collaboration help to improve the transition to a high renewable future? If so, how and who should be at the table? <p>Speakers:</p> <ul style="list-style-type: none"> • Sam F. Baldwin, Chief Science Officer, Office of Energy Efficiency and Renewable Energy, U.S. DOE • J. Charles Smith, Executive Director, Utility Wind Integration Group • Boris Schucht, Chief Executive Officer, 50Hertz Transmission • Clair Moeller, Vice President, Transmission Asset Management, Midwest Independent <p>Moderator:</p> <ul style="list-style-type: none"> • Honorable Jeanne Fox, Commissioner, New Jersey Board of Public Utilities and Chair, NARUC Energy Resources and the Environment Committee
Lunch		
12:15 pm - 12:30 pm	BOXED LUNCH	Pick up boxed lunches in Renaissance Foyer and eat at your seat
CLOSING KEYNOTE ADDRESS		
12:30 pm - 1:00 pm	• Honorable Steven Chu , Secretary, US Department of Energy	
1:00 pm - 2:00 pm	Smart Grid: How Will Consumers Benefit?	Much of the discussion on deployment of smart grid

technologies has focused on how such advanced technologies will enhance the reliability of the system. However, in recent months, there has been a series of regulatory decisions that require all impacted parties to consider more fully the cost/benefit analysis of smart grid deployment. In some instances, there has been a push back by consumers on real or perceived cost increases with smart meter program implementation. This session will discuss the concerns that regulators are facing that address consumer issues, including data privacy, increased costs, lack of perceived benefits to the end user.

This panel may address some of these questions:

- How best can regulators engage with consumers to address their concerns about the costs of the smart grid? What is industry's role? Does academia have a role?
- What tools are needed to educate consumers about the benefits of smart grid and address concerns associated with issues such as data privacy, increased costs, and the lack of perceived benefits?
- Have regulators and industry identified all of the specific concerns about each issue consumers have about smart grid? Should concerns by different classes of customers be treated differently?
- What recourse should consumers have if they oppose deployment of smart devices?
- Who should own/control data provided through smart devices? What

		<p>are consumers rights regarding their personal data?</p> <ul style="list-style-type: none"> • What are the results of consumer studies on these issues? • Who is responsible for educating consumers on the costs and benefits of smart devices? • What are the lessons learned from current collaborative efforts to educate consumers about the costs and benefits of smart grid tools and devices? <p>Speakers:</p> <ul style="list-style-type: none"> • Patty Durand, Executive Director, Smart Grid Consumer Collaborative • Honorable Robert Kenney, Commissioner, Missouri Public Service Commission • Bill Levis, Colorado Consumer Advocate • Joe Rigby, Chairman of the Board, President and Chief Executive Officer, PEPCO Holdings, Inc. <p>Moderator:</p> <ul style="list-style-type: none"> • Joe Paladino, Senior Advisor, Office of Electricity Delivery and Energy Reliability, US Department of Energy
	2:00 pm - 2:15 pm	<p>Closing Remarks by the 2011 National Electricity Forum Leadership</p> <p>Speakers:</p> <ul style="list-style-type: none"> • Honorable Ron Binz, Chairman, Colorado Public Utilities Commission • Honorable Erin O'Connell-Diaz, Commissioner, Illinois Commerce Commission

		<ul style="list-style-type: none">• David Meyer, Senior Advisor, Office of Electricity Delivery and Energy Reliability, US Department of Energy
ADJOURN		
	2:15 pm	Adjourn the 2011 National Electricity Forum

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