



NARUC

WINTER COMMITTEE MEETINGS

FEBRUARY 15-18, 2015 • RENAISSANCE WASHINGTON HOTEL • WASHINGTON, DC





NARUC 2015

Winter Committee Meetings



Table of Contents

Program by Day	2
General Information	4
General Sessions	6
Terry Barnich Award	8
Board or Directors	10
Consumer Affairs	12
Critical Infrastructure	14
Electricity	16
Energy Resources & Environment	21
Gas	27
International Relations	32
Telecommunications	33
Water	38
FERC/Special Meetings	40
Future Meetings	41
Sponsors	42



2015 NARUC Officers

Lisa Edgar

President

Florida Public Service Commission

Travis Kavulla

First Vice President

Montana Public Service Commission

Robert F. Powelson

Second Vice President

Pennsylvania Public Utility Commission

David E. Ziegner

Treasurer

Indiana Utility Regulatory Commission

Charles D. Gray

Executive Director

National Association of Regulatory Utility Commissioners



NARUC 2015

Winter Committee Meetings



Program by Day

Sunday, February 15

8:00am-6:30pm	Registration	Ballroom Foyer
9:00am-11:45am	Staff Subcommittee on Consumer Affairs	Ballroom South/North
9:00am-11:45am	Subcommittee on Clean Coal	Renaissance West A
9:00am-11:45am	Subcommittee on Utility Marketplace Access	Congressional Ballroom
9:00am-11:45am	Sunday Morning Collaborative	Ballroom Central
9:00am-5:00pm	Staff Subcommittee on Telecommunications	Ballroom North
10:15am-10:30am	Networking Break	Ballroom Foyer
10:30am-12:45am	New Commissioner Forum	Meeting Room 16
10:30am-11:30am	Around the World with NARUC	Meeting Room 2
11:00am-11:30am	Staff Subcommittee on Nuclear Issues	Meeting Room 15
12:00pm-5:00pm	Committee & Staff Subcommittee on Critical Infrastructure	Ballroom Central
1:00pm-5:00pm	Staff Subcommittee on Energy Resources and the Environment	Renaissance West A/South
1:00pm-5:00pm	Committee on Consumer Affairs	Mount Vernon B
1:00pm-5:00pm	Committee on International Relations	Congressional Ballroom
1:00pm-5:00pm	Staff Subcommittee on Gas	Mount Vernon A
1:00pm-5:00pm	Staff Subcommittees on Electricity and Electric Reliability	Ballroom South
1:00pm-5:00pm	Subcommittee and Staff Subcommittee on Pipeline Safety (Invitees only)	Meeting Room 15
3:00pm-5:00pm	Task Force on Environmental Regulation & Generation (Invitees only)	Penn Quarter
3:45pm-4:00pm	Networking Break	Ballroom Foyer
3:45pm-5:00pm	Washington Action	Meeting Room 16
5:00pm-6:30pm	Welcome Reception	Renaissance Ballroom

Monday, February 16

8:00am-5:00pm	Registration	Ballroom Foyer
9:30am-10:30am	<u>General Session</u>	Ballroom South
10:30am-10:45am	Networking Break	Ballroom Foyer
10:45am-11:45am	Committee on Critical Infrastructure	Ballroom North
10:45am-4:00pm	Staff Subcommittee on Law	Meeting Room 6
10:45am-5:15pm	Committee on Electricity	Ballroom Central
10:45am-5:15pm	Committee on Energy Resources and the Environment	Renaissance East
10:45am-5:15pm	Committee on Gas	Congressional Ballroom
10:45am-5:15pm	Committee on Telecommunications	Ballroom North



NARUC 2015

Winter Committee Meetings



Program by Day

Monday, February 16 (Continued)

10:45am-5:15pm	Committee on Water	Renaissance West A
11:45am-1:00pm	Committee Chairs Meeting (Invitees only)	Meeting Room 3
11:45am-1:00pm	Staff Subcommittee Chairs Meeting (Invitees only)	Meeting Room 4
11:45am-1:05pm	OPSI Meeting (Invitees only)	Meeting Room 16
2:15pm-2:30pm	Networking Break	Renaissance West
3:45pm-4:00pm	Networking Break	Renaissance West
5:15pm-6:00pm	MACRUC Region Meeting (Invitees only)	Meeting Room 4
5:15pm-6:00pm	MARC Region Meeting (Invitees only)	Meeting Room 2
5:15pm-6:00pm	NECPUC Region Meeting (Invitees only)	Meeting Room 5
5:15pm-6:00pm	Western Regional Meeting (Invitees only)	Meeting Room 3
5:15pm-6:15pm	SEARUC Regional Meeting (Invitees only)	Meeting Room 6

Tuesday, February 17

8:00am-5:00pm	Registration	Ballroom Foyer
8:30am-10:15am	<u>General Session</u>	Ballroom South
10:15am-10:30am	Networking Break	Ballroom Foyer
10:30am-5:00pm	Committee on Critical Infrastructure	Renaissance West
10:30am-2:45pm	Committee on Energy Resources and the Environment	Renaissance East
10:30am-5:15pm	Committee on Electricity	Ballroom Central
10:30am-5:15pm	Committee on Gas	Congressional Ballroom
10:30am-5:15pm	Committee on Telecommunications	Ballroom North
10:30am-5:15pm	Committee on Water	Renaissance West A
11:45am-1:15pm	Commissioner Emeritus Luncheon	Penn Quarter
11:45am-1:15pm	Commissioner Only Business Luncheon	Renaissance West B
2:30pm-2:45pm	Networking Break	Ballroom Foyer
3:45pm-4:00pm	Networking Break	Ballroom Foyer

Wednesday, February 18

8:00am-12:00pm	Registration	Ballroom Foyer
9:00am-10:30am	<u>General Session</u>	Ballroom South
9:00am-11:45am	Committee on Telecommunications	Ballroom South/North
10:15am-10:30am	Networking Break	Ballroom Foyer
10:30am-11:45am	JOINT MEETING: Committees on Electricity, Gas Consumer Affairs, Energy Resources and the Environment, Critical Infrastructure and Water	Ballroom South
11:45am-4:00pm	NARUC Board of Directors Business Meeting	Congressional Ballroom



NARUC 2015

Winter Committee Meetings



General Information

Hotel Information

Renaissance Washington Hotel
999 9th Street, NW
Washington, DC 20001
tel: (202) 898-9000
fax: (202) 962-4466

The Henley Park
926 Massachusetts Avenue, NW
Washington, DC 20001
tel: (202) 414-0503

Registration and Information Desk

The NARUC registration and information desk will be open the following hours:

Sunday	8:00am - 6:30pm
Monday	8:00am - 5:00pm
Tuesday	8:00am - 5:00pm
Wednesday	8:00am - 12:00pm

Badge Color Identification

Badges must be worn and visible at all times when attending a NARUC meeting or event.

Blue – Commissioners

Green – Industry

Red – Commission Staff

Tan – Public Interest/Consumer Groups/Federal/
State Agencies (non-members)

Program Printing

This program was printed using information as of January 30. Some information may have changed by the time the meeting occurs. Please see addendum for changes and updates.



NUCLEAR ENERGY INSTITUTE

Messages

Attendees can be reached during business hours by calling the NARUC registration desk at (202) 962-4349.

Event Tickets

Tickets are required from everyone for entry to the NARUC Welcome Reception. There are no additional charges for this event. Tickets will be exchanged at the door for 2 beverage tickets. See the registration desk for guest ticket information and fees. The Host encourages all individuals to drink responsibly and not to drink and drive.

Suggested Attire

Friday - Wednesday: Business Attire

Meeting rooms have a tendency to be cool. We suggest you bring a sweater or jacket for your comfort.

Welcome Reception: Business

Electronic Devices

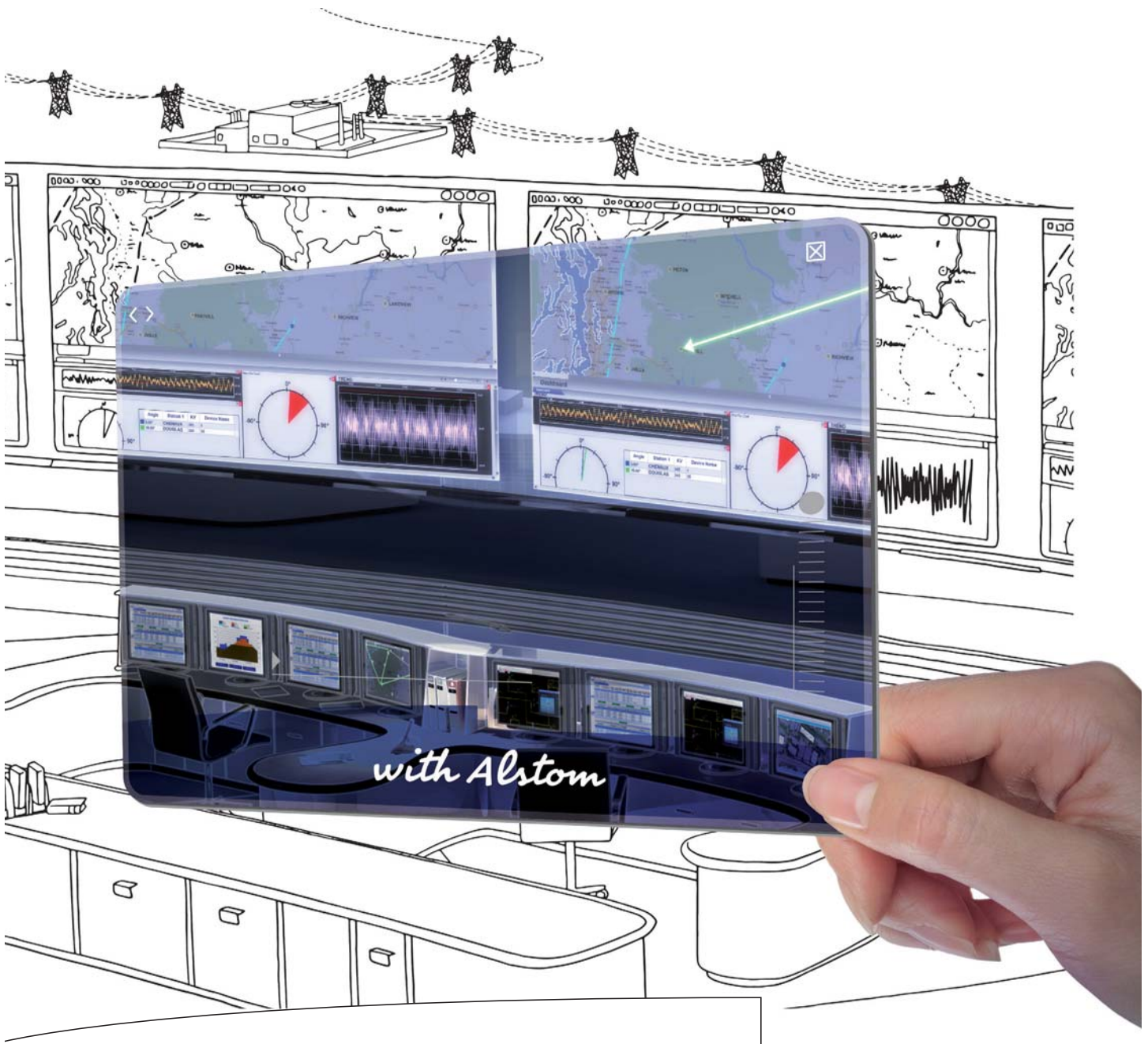
In consideration of the speakers and your colleagues, please turn off all cellular phones and other communication devices while in any of the sessions. Your cooperation and courtesy is appreciated. Recharge with ANGA, stop by their booth to learn more.

Twitter users:

Use the #NARUCWinter hash tag when “tweeting” from our meetings. Follow us at <http://twitter.com/naruc>. Stay connected and stop by the EMRF booth for the internet conference code.

Taping/Video Policy

Unless you receive prior approval from NARUC, only credentialed members of the press are allowed to tape or video NARUC sessions. This policy gives comfort to our speakers and protects NARUC from potential legal action. If you wish to tape or record any portion of the NARUC meeting, please contact Rob Thormeyer for permission.



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NARUC 2015

Winter Committee Meetings



General Sessions

Location: Ballroom South

Monday, February 16

9:30am - 10:30am

Join President ***Lisa Edgar*** as she kicks off the 2015 NARUC Winter Committee Meetings.

This General Session will feature:

The Hon. Evan Bayh, Former Senator and Governor of Indiana, Co-Chair of Nuclear Matters

The Hon. Francisco Salazar, President, México Comisión Reguladora de Energía

Tuesday, February 17

8:30am - 10:15am

This General Session will feature:

The Hon. Ernest Moniz, Secretary of Energy

The Hon. Tom Wheeler, Chairman, Federal Communications Commission

The Hon. Gina McCarthy, Administrator, Environmental Protection Agency

Wednesday, February 18

9:00am - 10:30am

This General Session will feature:

The Hon. Cheryl LaFleur, Chair, Federal Energy Regulatory Commission

Janice Schneider, Assistant Secretary for Land and Minerals Management,
Department of the Interior

Meredith Attwell Baker, President & CEO, CTIA, The Wireless Association



NARUC 2015 Winter Committee Meetings



Award Ceremony

Sunday, February 15 * 2:00-2:30 pm * Congressional Ballroom



NARUC's Committee on International Relations has established an Annual Award for **Promoting International Cooperation among Utility Regulators and Development of Professional Regulation** to acknowledge important contributions made by an outstanding individual from among the NARUC membership (State commissioners and/or commission staff) who have dedicated their time, energy and expertise to furthering regulatory best practices in a global environment.

*Join us in
Honoring:*

Denise Parrish
Deputy Administrator
Wyoming Public Service
Commission, Office of
Consumer Advocate

William H. Smith Jr.
Executive Director
The Organization of
MISO States, Inc.

Dedicated to the former Chairman of the Illinois Commerce Commission (1989 to 1992) **Terrence "Terry" Barnich**, who was killed on Memorial Day, May 25th, 2009, while working as the Deputy Director of the State Department office overseeing U.S. reconstruction projects in Iraq. He was a dedicated public servant and an active NARUC member.

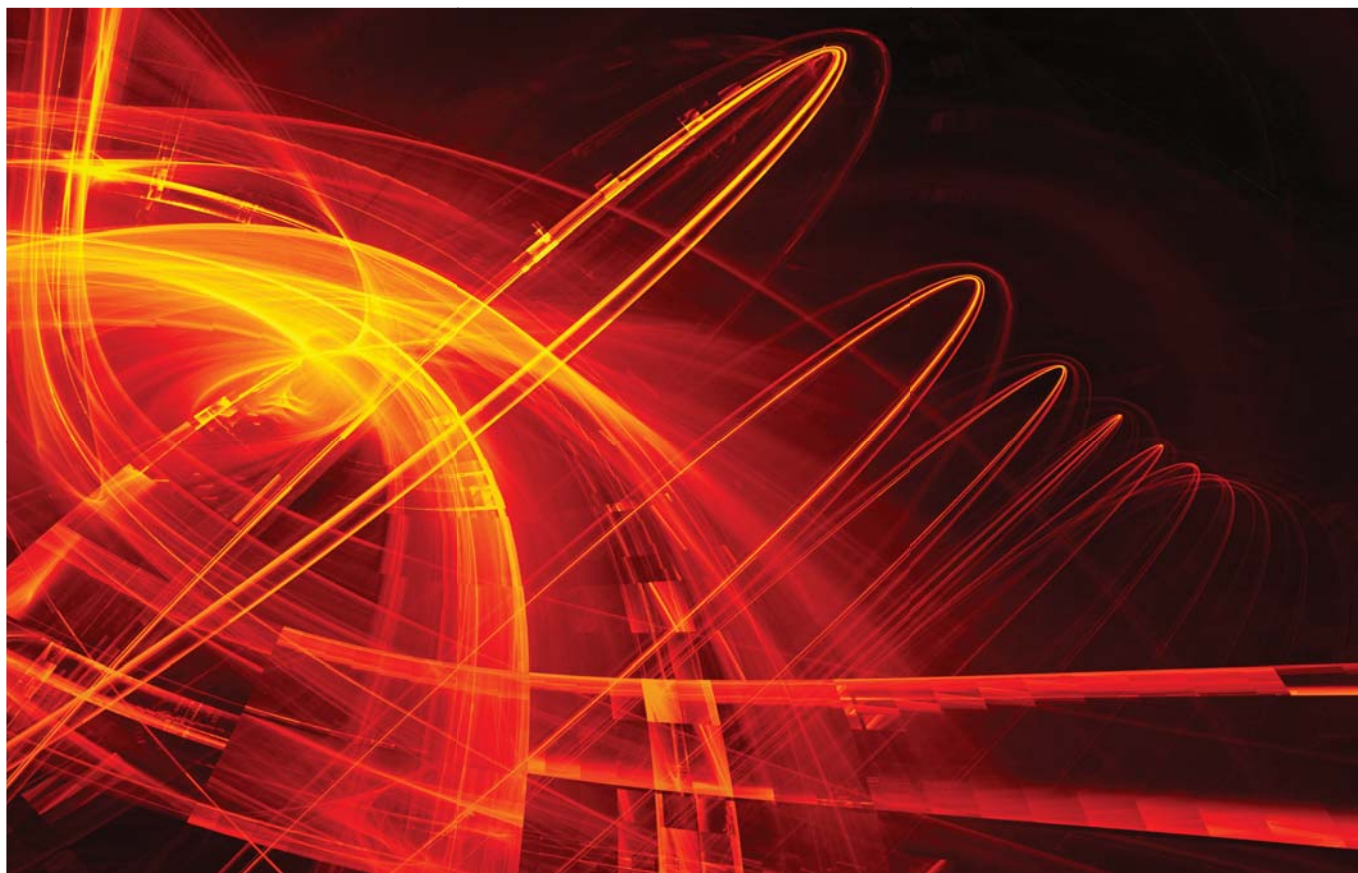


NARUC 2015

Winter Committee Meetings



EMRF | Electric Markets
Research Foundation



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Read our latest study at emrf.net.



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NARUC 2015

Winter Committee Meetings



Board of Directors

Subcommittee on Utility Marketplace Access

Sunday, February 15

9:00am - 11:45am

Congressional Ballroom

- 9:00am **Welcome and Opening Comments**
Opening Remarks from Chairwoman Nikki Hall
Hon. Nikki Hall-Chairwoman, South Carolina
- 9:05am **Update on UMA Toolkit Project**
The Supplier Diversity Toolkit was formally launched at the NARUC Annual Meeting in San Francisco. Now the UMA Committee members will receive a briefing on the status of the Toolkit from NUDC.
Laurie Dowling-Executive Director, National Utilities Diversity Council
Derrell Slaughter-Intern, National Utilities Diversity Council
- 9:25am **PANEL - RTO Workforce Readiness and Supplier Diversity Best Practices**
Human resources leaders from Regional Transmission Organizations will share, for the first time, insight into the building of technical workforces and initiatives designed to reach more diverse candidates. Join us to learn how these organizations are implementing unprecedented programs and striving to find best practices for recruiting and maintaining a diverse workforce.
Moderator:*Hon. Robert S. Kenney*-Chairman, Missouri
Panelists:*Dionne Wright*-Manager - People Services Center, PJM Interconnection
Katya London-Manager - Human Resources, New York Independent System Operator
- 10:00am **Best Practices on Workforce Readiness from Deregulated and Affiliated Companies**
At a time when regulated firms face retirements of skilled workers, deregulated and affiliated companies continue to recruit and retain skilled workers and diverse firms for contractual opportunities. This panel invites those firms in to discuss their best practices for recruiting and retaining diverse firms and employees.
Moderator:*Hon. Ronald A. Brise* - Commissioner, Florida
Panelists:*Tim LoCascio*-Director, Marketing & Regulatory Affairs, Liberty Power Corporation
Oliver Turman-Acting Executive Director AT&T Supplier Diversity, AT&T
- 10:35am **Update from MMTC**
UMA welcomes Kim Keenan, new CEO of the Minority Media Telecom Council (invited)
Moderator:*Hon. Nikki Hall*-UMA Chairwoman and Chairwoman, South Carolina
Panelist: *Kim Keenan*-President and CEO, Multicultural Media, Telecom and Internet Council
- 10:50am **Stakeholder Reports**
Updates from organizations that share NARUC's goals for utility marketplace access.
Moderator:*Hon. Nikki Hall*-UMA Chairwoman and Chairwoman, South Carolina
Panelists:*Jose Perez*-President and COO, Hispanics In Energy
Paula Jackson-President and CEO, American Association of Blacks in Energy
- 11:05am **Committee Business**
- Tabled Resolutions from San Francisco
- Presentations at Regional Meetings
- Ideas for panels at Summer Meetings - Other matters
Hon. Nikki Hall-UMA Chairwoman, South Carolina



NARUC 2015

Winter Committee Meetings



Board of Directors (continued)

Staff Subcommittee on Law

Sunday, February 15

10:45am - 4:00pm

Meeting Room 6

Task Force on Environmental Regulation & Generation (invitees only)

Sunday, February 15

3:00pm - 5:00pm

Penn Quarter

Washington Action

Sunday, February 15

3:00pm - 5:00pm

Meeting Room 16

NARUC Board of Directors Business Meeting

Wednesday, February 18

11:45am - 4:00pm

Congressional Ballroom



Solar is the fastest growing source of renewable energy in America. And for good reason. It's clean, reliable and cost-effective – helping to power both the U.S. economy and our environment.

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NARUC 2015

Winter Committee Meetings



Consumer Affairs

Staff Subcommittee on Consumer Affairs

Sunday, February 15

9:00am - 11:45am

Ballroom South / Ballroom North

9:00am **Crossing the Customer Debt Divide**

How are utilities and consumer organizations helping electric and gas utility customers manage overdue bills? Are there new ways to address this ever-present consumer concern? How can we balance the need to keep uncollectible debt reasonable and still help the customers keep the lights on? This panel will highlight consumer issues related to electric and gas utility debt collection and offer best practices for how utilities and social service agencies can prevent customer disconnections and help them stay connected.

Moderator: *Barbara Bossart*-Chief, Reliability & Service Analysis Division,
Public Utilities Commission of Ohio

Panelists: *Jane Whetstone*-Customer Service Coordinator, Iowa Utilities Board
Mark Wolfe-Executive Director, National Energy Assistance Directors Association
Jim Williams-Consumer Protection Research Analyst, Ohio Consumer's Counsel
Linda Gervais-Manager, Regulatory Policy, Avista Utilities

10:00am **LIHEAP Update**

Mark Wolfe-Executive Director, National Energy Assistance Directors Association

10:15am **Networking Break**

10:30am **Cramming - Wi-Fi (Joint Panel w/Telecommunications) Just When You Thought You'd Figured Out Your Phone**

JOINT MEETING WITH TELECOMMUNICATIONS COMMITTEE (Ballroom North)



American Gas Association



NARUC 2015

Winter Committee Meetings



Consumer Affairs

Committee on Consumer Affairs

Sunday, February 15

1:00pm 5:00pm

Mount Vernon B

- 1:00pm **Consumer Scams and How State PUCs Can Protect their Citizens**
Bad actors are constantly bombarding ratepayers/consumers with scams. The utility sector is a major focus of such scams and PUCs receive complaints on a regular basis. Many of these scams now target Green Dot cards used by consumers to pay utility bills. In addition, these scams are often carried out over the phone in violation of the State and federal do-not-call rules. This panel will look at the major scams confronting consumers and the actions PUCs and their federal counterparts are taking or can take to protect ratepayers.
Moderator: *Hon. Brandon Presley*-Chair, Committee on Consumer Affairs, Mississippi
Panelists: *James Taylor*, Mississippi Public Service Commission
Wade Hardy-Section Manager Corporate Security, Consolidated Edison Co.
Ron Brooke-Division of Marketing Practices, Federal Trade Commission
- 2:15pm **Networking Break**
- 2:25pm **Rules Inhibiting Utility to Consumer Communications**
Electric utilities have increasingly turned to auto-dialing as a means of quickly informing their customers about outages and service restoration, energy usage, service calls, etc. A utility's ability to contact customers in this manner has helped to improve compliance with PUC mandated quality of service metrics in many States. Still, although the Federal Communications Commission has in the past implied that utilities may use auto-dialing in this fashion without running afoul of the Telephone Consumer Protection Act's prohibitions against sending messages to cellular customers without permission even when a business relationship exists, it has not directly ruled on this matter. As a result, utilities are being sued by class action attorneys after having sent outage and other service related messages. Given the enormity of the potential penalties, some utilities are rethinking their communications strategies and may be unable to provide critical information to consumers on a timely basis if at all.
Moderator: *Hon., Jack Betkoski*-Vice Chairman, Connecticut
Panelists: *Scott Blake Harris*-Chairman, Harris, Wiltshire & Grannis LLP
Traci Braun, Exelon
Ira Rheingold-Director, National Association of Consumer Advocates
- 3:20pm **Networking Break**
- 3:30pm **Business Meeting**
- 3:40pm **Consumer Solar Buying Guide - Hot Topic**
Speaker: *Claudette Reichel*-Professor, Louisiana State University
- 4:00pm **Polling Data: Consumer Knowledge about PUCs - Hot Topic**
John Ashford-Chairman, The Hawthorn Group

JOINT MEETING: Wednesday, February 18

10:30am -11:45 am

Ballroom South

Coast to Coast: Convergence in the Electricity, Gas and Water Industries and its Impact on Consumers

The energy and water industries are in the midst of a build cycle. Routine maintenance, age and new environmental regulations are driving investments across the country. And with the growing interdependence between the water, electricity, and natural gas industries, investments made in one industry will likely impact the others. How are State commissions preparing to make these decisions? Are there lessons from each sector that can inform the others? A panel of commissioners coast-to-coast will discuss these issues and the impact on consumers.



NARUC 2015

Winter Committee Meetings



Critical Infrastructure

Committee & Staff Subcommittee on Critical Infrastructure

Sunday, February 15

12:00pm - 5:00pm

Ballroom Central

- 12:00pm **CLOSED: Committee/Staff Subcommittee Briefing**
From 12:00 - 1:00 this is a closed meeting for Committee/Staff Subcommittee Members and Invitees ONLY. The open meeting will begin at approximately 1:00pm
- 1:00pm **Welcoming Remarks & Introductions**
Hon. Carolene Mays-Medley-Chair, Committee on Critical Infrastructure, Indiana
Thomas Pearce-Staff Subcommittee Chair
- 1:10pm **State Energy Risk Assessment Initiative**
An overview of the collaborative effort with NARUC to increase States' awareness of risk to energy systems to help officials better prepare for disruptions and make more informed decisions related infrastructure investments, resilience and hardening strategies, and asset management.
Alice Lippert-Sr. Technical Advisor, Office of Electricity Delivery and Energy Reliability, U.S. DOE
- 1:20pm **JOINT MEETING WITH TELECOMMUNICATIONS COMMITTEE/STAFF SUB:**
Activated FM Chips in Smartphones - Do They Have Value During Disasters?
Communications systems serve a vital role conveying information to the public during emergencies. If cellular or wi-fi communication networks fail or become overloaded, can radio-enabled smartphones fill the gap? What are the pros and cons?
Moderator:*Hon. Carolene Mays-Medley-Chair, Committee on Critical Infrastructure*
Panelists:*Jeff Smulyan-Founder/Chairman, Emmis Communications Corp.*
Brian Josef-Asst. VP, Regulatory Affairs, CTIA
Charles Hoffman, FEMA
- 2:10pm **Importance of Privacy vs. Information Collection and Sharing**
Information collection and sharing is a huge issue in the cyber arena. What's critical to collect and/or share? What should be held close to the vest for security purposes? When does safety supersede knowing?
Moderator:*Hon. Nick Wagner-Co-Vice Chair, Committee on Critical Infrastructure*
Panelists:*Christopher Soghoian, Ph.D.-Principal Technologist & Sr. Policy Analyst Speech, Privacy & Technology Project, ACLU*
- 3:00pm **Break**
- 3:10pm **What Level of Physical Security is Needed to Protect Utilities' Critical Infrastructure in an Attack?**
Physical attacks of our nation's critical infrastructure are increasing. Reliability, safety, and the resilience of utilities' critical assets is imperative. This panel will discuss the needs and standards of physical security to prevent terrorist attacks against water and power plants. Questions that regulators can ask of utilities, an overview of steps towards preparedness and service interruption prevention, as well as the role of risk management in regulatory decision making will be discussed.
Moderator:*Hon. Swain Whitfield, Co-Vice Chair, Committee on Critical Infrastructure*
Panelists:*Jonathon McConnell-President, Meridian Global Consulting LLC*
Vic Slade-Manager, Corporate Security, Dominion Resources Services, Inc.
- 4:00pm **NERC CIP Update**
An overview of NERC's current status with CIP (Critical Infrastructure Protection) Standards, where industry is and industry needs to be will be discussed.
Thomas Pearce - Chair, Staff Subcommittee on Critical Infrastructure
Thomas O'Brien, -VP, Information & Technology Information, PJM



NARUC 2015

Winter Committee Meetings



Critical Infrastructure (continued)

Committee & Staff Subcommittee on Critical Infrastructure

Sunday, February 15

12:00pm - 5:00pm

Ballroom Central

- 4:15pm **NIST Framework Update**
During this session, the NIST cybersecurity framework will be discussed with an understanding of industry acceptance and implementation.
Hon. Nick Wagner, Co-Vice Chair, Committee on Critical Infrastructure
Victoria Yan Pillitteri, CISSP, Advisory for Information System Security, Computer Security Division, National Institute of Standards and Technology
- 4:30pm **Committee Business Meeting**
NARUC updates and discussion of resolutions
Raj Barua-Executive Director, NRRI
Chris Mele-Legislative Director - Energy, NARUC
Brian O'Hara-Legislative Director - Telecommunications Technology and Water, NARUC
Holly Rachel Smith-Asst. General Counsel, NARUC
- 5:00pm **Adjourn**

Committee on Critical Infrastructure

Monday, February 16

10:30am - 11:45am

Ballroom North

- 10:30am **The 2014 National Emergency Communications Plan: A Plan for the Evolving Communications Landscape (Joint with the Committee on Telecommunications)**
National assessments and after-action reports from large-scale incidents, such as the September 11th terrorist attacks and Hurricane Katrina, highlighted critical gaps in the Nation's emergency communications capabilities. As a result, in 2008, the Department of Homeland Security's Office of Emergency Communications (OEC) developed the National Emergency Communication Plan (NECP) to provide solutions and best practices to address emergency communications deficiencies. However, the first NECP focused primarily on public safety agencies and the use of Land Mobile Radio (LMR) communications systems. Since the release of that plan, the landscape of emergency communications has evolved significantly to include the use of IP-based technologies (e.g., text-to-911 and video streaming). In addition, policy and doctrinal changes have led to the adoption of the "whole community" approach to emergency response leading to a broader range of partners, such as public health, medical, and transportation agencies, as well as all critical infrastructure sectors. As result, OEC recently conducted the first comprehensive update to the NECP to reflect this new, dynamic emergency response environment. The 2014 NECP provides critical information and guidance to those that plan for, coordinate, invest in, and use communications to support response and recovery operations. Building on the framework established by the first plan, the update NECP continues to drive improvements on key communications capabilities, as well as guide investments to keep pace with the evolving communications landscape. This session will provide an overview of the 2014 NECP and demonstrate the importance of the "whole community" approach to emergency response and recovery.
Ron Hewitt-Admiral, Department of Homeland Security

Committee on Critical Infrastructure

Tuesday, February 17

1:15pm - 2:30pm

Joint w/Committee on Water

Renaissance West A (see agenda on page 39)

4:00pm - 5:15pm

Joint w/Committee on Gas

Congressional Ballroom (see agenda on page 31)



NARUC 2015

Winter Committee Meetings



Electricity

Subcommittee on Clean Coal

Sunday, February 15

9:00am - 11:45am

Renaissance West A

- 9:00 AM **Welcome and Introductions**
Hon. Brian Kalk - Commissioner, North Dakota
Hon. Asim Haque - Commissioner, Ohio
- 9:15 AM **CCS Deployment as a Compliance Option**
Julio Friedmann - Deputy Assistant Secretary, Clean Coal & Carbon Management, Department of Energy
- 9:45 AM **Conclusions from The Clean Air Task Force CCS Deployment Study under 111(d)**
John Thompson - Director, Fossil Transition Project, Clean Air Task Force
- 10:05 AM **Opportunities for CCS from the Coal Utilization Research Council Perspective**
Ben Yamagata - Executive Director, Coal Utilization Research Council
- 10:25 AM **National Mining Association Count on Coal Campaign Update**
Terry Jarrett - Partner, Healy & Healy
- 10:40 AM **The Illinois Basin Decatur Project & ADM Industrial CCS Demonstration**
Thomas Sarkus, National Energy Technology Laboratory
- 11:00 AM **Business Meeting**
Resolutions Strategic Discussion Update to the subcommittee name - "Carbon management with CCS & Clean Coal" / "CCS & Carbon Utilization" or suggestions.

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Office of Clean Coal and Carbon Management

The Office of Clean Coal and Carbon Management's mission is to foster the development and deployment of advanced cost effective Carbon Capture and Storage (CCS) technology, and clean, affordable fossil-based power systems and alternative fuels.

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NARUC 2015

Winter Committee Meetings



Electricity

Staff Subcommittee on Nuclear Issues

Sunday, February 15

11:00am - 11:30am

Meeting Room 15

11:00 AM Nuclear Issues for 2015 (Washington)

- 1) Issues to address during 2015
- 2) Preferred method for addressing the issues (resolutions, white papers, letters, etc.)
- 3) Update of nuclear timeline

James Spearman - Executive Assistant & Sr. Advisor, South Carolina Public Service Commission

Staff Subcommittees on Electricity and Electric Reliability

Sunday, February 15

1:00pm - 5:00pm

Ballroom South

1:00pm Welcome and Introduction

Speakers: *Kim Jones*-Chair, Staff Subcommittee on Electricity, NCUC
Kim Duffley-Acting Vice-Chair, Staff Subcommittee on Electricity, NCUC
Patricia Poli-Chair, Staff Subcommittee on Electric Reliability, MPSC

1:05pm FERC Update

Speaker: *Jeffrey Dennis*-Director, Division of Policy Development Office of Policy and Innovation, FERC

1:30pm What Does the White House Say About the Consideration of GHG in NEPA Reviews?

Joint with the Staff Subcommittee on Gas

The White House's Guidance to agencies to consider GHG impacts in the National Environmental Protection Act (NEPA) reviews: How did we get here? What does it mean? Implications for FERC licensing of new infrastructure?

Moderator: *Kim Duffley*-Acting Vice-Chair, Staff Subcommittee on Electricity, NCUC

Panelists: *Horst Greczmiel*-Associate Director for NEPA Oversight, White House Council on Environmental Quality
Marc Spitzer-Attorney at Law, Steptoe & Johnson, Former FERC Commissioner

2:30pm Networking Break

2:45pm FERC Staff's Report on Demand Response and Advanced Metering

Speaker: *Michael Lee*-Energy Analyst, FERC

3:00pm 2014 Grid Modernization Index' and 'The Future of the Grid: Industry's Vision of the US Electric Grid in 2030'

Speaker: *Becky Harrison*-CEO, Gridwise Alliance

3:35pm Demand Response and EPA's Clean Power Plan: Major Manufacturers Respond

* Joint with Staff Subcommittee on Energy Resources and Environment*

Moderator: *Kimberly Jones*-Chair, Staff Subcommittee on Electricity, NCUC

Panelists: *Paul Cicio*-President, Industrial Energy Consumers of America
Richard Notte-Director of Global Energy Services, Alcoa, Inc
Darren MacDonald-Director of Energy, Gerdau Ameristeel
Larry Stalica-Mgr. of Utilities and Regulatory Affairs, Linde, LLC
Bruce Ray-Director of Gov. and Regulatory Affairs, Johns Manville Corp
Susan Misconish-Commodity Mgr-Strategic Sourcing, Timken Steel



NARUC 2015

Winter Committee Meetings



Electricity

Committee on Electricity

Monday, February 16

10:45am - 5:15pm

Ballroom Central

10:45am **Nuclear Issues - Waste Disposal Subcommittee**

Update from Southern Company and Georgia Public Service Commission regarding Vogtle Nuclear Plant construction.

Speakers: *Hon. Lauren "Bubba" McDonald*-Commissioner, Georgia
Buzz Miller-President of Nuclear Development, Southern Nuclear

11:10am **Nuclear Issues - Waste Disposal Subcommittee**

Bipartisan Policy Center will discuss the Nuclear Waste Project.

Moderator: *Hon. Greg White*-Commissioner, Michigan

Panelists: *Timothy Frazier*-Director, Nuclear Waste Initiative, Bipartisan Policy Center
David Wright, President, Wright Direction LLC
Phil Sharp (Invited)

11:45am **Lunch Break**

1:00pm **The Evolving Grid**

The panel will look at the evolving grid from three perspectives: utility, technology company, and regulator.

Moderator: *Lisa Wood*-Executive Director, Institute for Electric Innovation

Panelists: *Hon. Michael Champley*-Commissioner, Hawaii
Lloyd Yates-Duke Energy Corp. Executive VP of Market Solutions and President, Carolinas
Mei Shibata-Co-founder, ThinkEco and CEO, The Energy Agency

1:50pm **EPRI Releases Phases II and III of 'The Integrated Grid'**

EPRI President and CEO Michael Howard will release 'The Integrated Grid, Phases II and III: A Benefit-Cost Framework and Technology Pilot Projects.' The Framework is a comprehensive methodology outlining a transparent, repeatable, and consistent approach to integrate distributed energy resources on the electric power system. The pilots will enable a better understanding of the Framework's technical applications and identify potential technology gaps.

Speaker: *Michael Howard*-President and CEO, EPRI

2:15pm **Break**

2:30pm **Business Meeting**

Welcome and Introductions

Hon. Susan Ackerman, Chairwoman, Oregon

Hon. Ed Finley - Electricity Committee Co-Vice Chair, North Carolina

Hon. Libby Jacobs - Electricity Committee Co-Vice Chair, Iowa

Committee Reports

Hon. Greg White - Subcommittee on Nuclear Issues/Waste Disposal Chair, Michigan

Hon. Brian Kalk - Subcommittee on Clean Coal Chair, North Dakota

Oral Reports

Chris Mele - Legislative Director, Energy, Washington Update, NARUC

Holly Rachel Smith - Asst. General Counsel, Washington Update, NARUC

Miles Keogh - Director of Grants and Research, NARUC

Rishi Garg - General Counsel & Principal Researcher, NRRI

Joseph Giove III - Director of Division of Large Carbon Management Projects DOE

Karen Wayland - Deputy Director, Office of Energy Policy and Systems Analysis

Resolutions



NARUC 2015

Winter Committee Meetings



Electricity (continued)

Monday, February 16

10:45am - 5:15pm

Ballroom Central

3:45pm

Break

4:00pm

Implications of EPA's Clean Power Plan proposal on Electric Grid Reliability

Joint session with Committee on Gas

By now, States are very familiar with and are advocating either State-specific and or regional positions associated with the U.S. EPA's proposed Clean Power Plan (111(d)). A piece of the puzzle that is missing from most States' analyses though is whether the Clean Power Plan will impact grid reliability. Fortunately, NERC and our RTOs/ISOs are exploring this issue and can provide State regulators with informed, technical guidance. Will the Clean Power Plan impact grid reliability and should States be concerned? Are the building blocks and associated goals technically feasible? Do we have enough pipeline infrastructure to support the desired increase in NGCC plant dispatch? Can we seamlessly integrate the rule's desired amount of renewables into the grid? Will reliability be impacted when coal retirements accelerate as a result of this rule? Come find out the answer to this and many other reliability based questions regarding the Clean Power Plan.

Moderator: *Hon. Asim Haque*-Commissioner, Ohio

Panelists: *Gerry Cauley*-President and CEO, NERC

Clair Moeller-COO, MISO

Paul Sotkiewicz-Chief Economist, Market Services Division, PJM

Jim Robb-CEO, WECC

Tuesday, February 17

10:30am - 5:15pm

Ballroom Central

10:30am You're Still Not Sure Global Warming is Real?

Many news reports state that nearly 97% of climate scientists agree that manmade greenhouse gases are changing the world's climate. Despite this, it isn't difficult to find stakeholder organizations providing seemingly contradictory information about climate change and whether it is happening at all. Although NARUC members are economic regulators, recent federal initiatives to further reduce greenhouse gas emissions from power plants are placing this issue on our desks. With these rulemakings bringing new kinds of influence into State utility decision making, this seems like a good time to hear from the experts. We've invited two scientists to explain the latest scientific thinking about climate change and to answer the hardest questions we could put to them.

Moderator: *Dr. Rajnish Barua*-Executive Director, NRRI

Panelists: *Dr. Joe Casola*-Staff Scientist and Program Dir. Sciences &Impacts, Center for Climate and Energy Solutions

Dr. Judith Curry-Professor, School of Earth and Atmospheric Sciences, GIT, and President, Climate Forecast Appl. Networks



NARUC 2015

Winter Committee Meetings



Electricity (continued)

Tuesday, February 17

10:30am - 5:15pm

Ballroom Central

11:45am **Lunch Break**

1:15pm **Sounds and Visions: A State Talk About the Clean Power Plan**

Against a backdrop of graphically displayed facts and figures from a survey of all State Utility Commission comments on the Clean Power Plan, several State commissioners will participate in a moderated discussion of issues raised by States. The session will close with reactions to the issues raised from Federal officials with a nod towards forging a path of working together.

Moderator: *Jennifer Macedonia*-Senior Advisor, Bipartisan Policy Center

Federal Panelists: *Hon. Philip Moeller*-Commissioner, FERC

Janet McCabe-Acting Assistant Administrator, U.S. EPA

State Panelists: *Hon. Kelly Speakes-Backman*-Commissioner, Maryland

Hon. Ellen Nowak-Commissioner, Wisconsin

Hon. Carla Peterman-Commissioner, California

Hon. Alan Minier-Commissioner, Wyoming

Hon. Ted Thomas-Commissioner, Arkansas

Hon. Kenneth Anderson, Jr., Texas

Research Panelists: *Holly Rachel Smith*-Assistant General Counsel, NARUC

Rishi Garg-General Counsel & Principal Researcher, NRRI

2:45pm **Sounds and Visions: A State Talk About the Clean Power Plan, CONTINUED**

3:45pm **Break**

4:00pm **Rail Transportation Problems in the Midwest**

Across the Midwest, rail transportation issues surrounding the delivery of coal, propane, agricultural products, and petroleum have started to plague shippers, suppliers, utilities and customers. Panelists will discuss the challenges surrounding how to keep oil moving and coal plants operating, while at the same time transporting other products and goods in a timely manner. In addition, panelists will explain the significance of the U.S. Surface Transportation Board's December 30th decision requiring BNSF to 'provide specific information' regarding the railroad's coal service contingency planning, and requiring coal stakeholders to submit status reports.

Moderator: *Hon. Libby Jacobs*-Chair, Iowa

Panelists: *John Carr*-VP Strategic Planning, Dairyland Power

Deb Miller-Acting Chair, U.S. Surface Transportation Board

Amy Hawkins-VP Government Affairs, Burlington Northern

Kari Cutting-Vice President, North Dakota Petroleum Council

JOINT MEETING: Wednesday, February 18

10:30am - 11:45 am

Ballroom South

Coast to Coast: Convergence in the Electricity, Gas and Water Industries and its Impact on Consumers

The energy and water industries are in the midst of a build cycle. Routine maintenance, age and new environmental regulations are driving investments across the country. And with the growing interdependence between the water, electricity, and natural gas industries, investments made in one industry will likely impact the others. How are State commissions preparing to make these decisions? Are there lessons from each sector that can inform the others? A panel of commissioners coast-to-coast will discuss these issues and the impact on consumers.



NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment

Staff Subcommittee on Energy Resources and the Environment

Sunday, February 15

1:00pm - 3:30pm

Renaissance West A/Ballroom South

1:00pm

Energy Star's Midstream Focus

It may be more effective program design to target large retailers for energy efficiency program initiatives. Retailers are known as midstream in the energy efficiency chain (ultimate customers are downstream and manufacturers are upstream) "Effective" ultimately means getting more savings for the dollars spent. The program would recognize retailers as small in number covering a high percentage of consumer product sales and would influence the in-store shopping experience - what is in the store (stocking), how is it presented (signage, other marketing), and would potentially replace rebates. Small commercial energy efficiency programs may also make use of this delivery channel.

Moderator: *Wayne Hart*-Policy Strategist, Idaho Public Utilities Commission

Panelists: *Parker Brugge*-Sr. Director of Government Relations, Best Buy

Paul Campbell-Director-Sustainability/Green Leadership, Sears Holdings Corporation

Mike Cook-Sr. Manager: Utility and Government Rebate Programs, The Home Depot

Michael Lukasiewicz-Managing Partner, Navitas Partners

Hewan Tomlinson-Energy Star Program Manager, EPA

1:55pm

Storage Stories - Renewables Integration and Water Heaters

The electric sector has become very sensitive to the load shape of emerging utility requirements as increasing penetration of renewable energy creates challenging "ramping" issues for conventional generation in the morning and evening, when renewable energy supplies wax and wane. The United States has about 45 million electric water heaters in service, and residential hot water usage is concentrated in the morning and evening hours. Water heaters are excellent targets for load control, and more than 100 rural electric cooperatives already have simple load controls on electric water heaters. By shifting water heating load from morning and evening to mid-day and overnight, water heat energy requirements can be served more economically. By "supercharging" water heaters to higher temperatures, and using a blending valve to deliver normal hot water temperatures, a grid operator can harness the currently available but unused storage capacity within existing water heaters and better position themselves to integrate renewable energy into the grid.

Jim Lazar-Senior Advisor, Regulatory Assistance Project

2:15pm

Networking Break



AMERICAN COALITION FOR CLEAN COAL ELECTRICITY



NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment (continued)

Sunday, February 15

1:00pm - 3:30pm

Renaissance West A/Ballroom South

2:30pm **Technologies Paving the Pathways to Smart Grid Benefits**

Four smart-grid experts will present up-to-date reports about innovative smart grid technologies that are proving their capabilities for producing benefits for the utility grid and customers. Topics include: distribution automation and smart distribution applications; measured impacts of early dynamic pricing programs and transaction based controls; integrating distributed generation, including the benefits that come from new smart inverter technologies; and reliability and resiliency improvements that are reducing customer damages. Each presentation includes guidance for regulators, describing approaches to ensure fairness while creating opportunities for both customers and service providers.

Moderator: *Cathy Cole*-Advisor to the Chairman, Michigan Public Service Commission

Panelists: *Sharon Allen*-President & CEO, Smart Grid Interoperability Panel

Allan Hefner-Member, Smart Grid Team, National Institute of Standards and Technology

Ron Melton-Team Lead, Electricity Infrastructure Integration, Pacific Northwest National Laboratory

Joe Paladino-Senior Advisor, U.S. Department of Energy

3:35pm **Cybersecurity**


3:35pm **Demand Response and EPA's Clean Power Plan: Major Manufacturers Respond**

(Ballroom South)

Joint with Staff Subcommittee on Electric Reliability

Clean is powerful.

Natural gas helps utilities across the country generate affordable, reliable electricity with fewer emissions. Think about it.

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NATURAL GAS**
thinkaboutit.org



NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment

Monday, February 16

10:45am 5:15pm

Renaissance East

10:45am What's New in Renewable Energy Finance?

According to Bloomberg New Energy Finance, the continuing surge in demand for solar systems over the next decade in the United States will require \$62 billion in new financing. As the market for solar and other new energy technologies continues to grow, new sources of public capital will be needed to finance these projects. Securitization and crowd financing are two sources of capital whose potential is only beginning to be tapped. The SEC has proposed new crowd-financing rules and several States have passed laws that will enable crowd-financing to be used to raise equity for a variety of purposes, including renewable resources. At this session, regulators will learn how securitization, crowd financing and other innovative financing alternatives can be applied to a broad range of projects including energy efficiency, renewable energy, distributed generation and community solar.

Moderator: *Hon. Kelly Speakes-Backman*-Commissioner, Maryland

Panelists: *Jigar Shah*-President, Generate Capital Inc

John Stanton-Vice President, Policy and Electricity Markets, SolarCity

James Tong-Senior Director of Strategy and Government Affairs, Clean Power Finance

1:00pm It's Not Easy Being Green: Removing Barriers to Corporate Clean Energy Goals

According to the World Wildlife Fund's Power Forward Report, sixty percent of the largest U.S. businesses have set public climate and energy goals to increase their use of renewable energy. Companies are setting these goals because reducing energy use and using renewable energy have become core elements of business and sustainability strategies. Businesses are actively and successfully adding renewable energy to their facilities and increasingly entering into contracts to buy or invest in offsite renewable energy. Even though cost-effective project opportunities exist, with billions of kilowatt hours still needed to meet their renewable energy goals, businesses face a variety of challenges accessing cost-effective projects on favorable terms. Most recently, nineteen of the country's largest corporations published a set of principles that frame the challenges and common needs they face when seeking to obtain large amounts of renewable energy. This panel will explore ways in which large commercial and industrial customers can acquire renewable electric energy today, and what regulatory considerations or changes can be adopted to expand their access to clean energy.

Moderator: *Hon. Nancy Lange*-Commissioner, Minnesota

Panelists: *Thomas Maclean*-Manager, Customer Renewable Energy Programs, Puget Sound Energy

Kirk Myers-Manager, Sustainability, REI

Marty Spitzer-Director, U.S. Climate and Renewable Energy Policy, World Wildlife Fund

Jim Stanway-Data Center Energy Manager, Facebook

2:15pm Networking Break



NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment

Monday, February 16

2:30pm - 5:15pm

Renaissance East

2:30pm **The Eye of the Beholder: Compliance Approaches to 111(d)**

Now that the comments are submitted on the U.S. EPA's Clean Power Rule, it's time to start looking at the decisions States will have to wrestle with as they plan to implement the regulation. Panelists will bring their perspective to the various elements of the rule, building block by building block, as part of a discussion on how States can best start structuring their own implementation plans. What are the benefits of regional versus isolationist strategies? What role can nuclear play? How about the rate versus mass targets decision? Industry and regulatory experts will lead a discussion that gets into the on-the-ground decision making.

Moderator: *Hon. Pamela Witmer*-Commissioner, Pennsylvania

Panelists: *Hon. David Littell*-Commissioner, Maine

Hon. Asim Haque-Commissioner, Ohio

Steve Corneli-Senior VP, Policy and Strategy, NRG Energy, Inc

3:45pm **Networking Break.**

4:00pm **Renewable Energy Tracking Systems: a Key Compliance Pathway to EPA's Clean Power Plan**

Renewable energy is one of the four main building blocks outlined in the EPA's Clean Power Plan, and promises to be a significant part of State efforts to control electric sector carbon emissions. Existing renewable energy certificate (REC) tracking systems, together with State policies designed to increase the production and use of renewable electricity, will prove to be a major pathway for States to reduce the carbon intensity of their power sector. State regulators are key and have broad authority to develop the policies and requirements that are needed to tap the full potential of existing REC tracking systems to support State compliance efforts. This panel will explore how these systems work nationwide and how established protocols for managing REC tracing can ensure the ability of every State to use renewable energy as part of its compliance with federal carbon standards

Moderator: *Hon. Ellen Nowak*-Commissioner, Wisconsin

Panelists: *David Farnsworth*-Senior Associate, Regulatory Assistance Project

Amy Fredregill-Executive Director, Midwest Renewable Energy Tracking System

Jennifer Martin-Executive Director, Center for Resource Solutions

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NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment

Committee on Energy Resources and the Environment

Tuesday, February 17

10:30am - 5:15pm

Renaissance East

10:30am **Business Meeting**

Welcome and Introductions

Hon. Robert Kenney -Committee Chair, Missouri

Hon. James Gardner - Committee Co-Vice Chair, Kentucky

Hon. Kelly Speakes-Backman -Committee Co-Vice Chair, Maryland

Reports

Washington Report, *Holly Rachel Smith, Chris Mele*, NARUC

Grants and Research, *Miles Keogh*, NARUC

Barbara Tyrant, EPRI

Tom Stanton, NRRI

Hon. Robert Kenney, CCIF

Ron Edelstein, GTI

Karen Wayland, DOE on Quadrennial Energy Review

Resolutions

1:15pm **Energy Efficiency and Demand Response: Important Tools for Complying with EPA's Clean Power Plan**

Energy efficiency and demand response have enormous potential to lower energy costs and reduce greenhouse gas (GHG) emissions. The U.S. EPA's Clean Power Plan (CPP) enshrines energy efficiency as one of the four main building blocks that States can utilize to achieve their GHG reduction targets, but the rule does not specifically include demand response (DR) as a compliance option. Further complicating matters, State efforts to develop and implement DR programs have gained greater urgency in the wake of the court's decision to overturn FERC's demand response rule, Order No. 745. Although many States are already implementing innovative energy efficiency programs, energy savings resulting from these measures are projected, estimated, reported, and audited using a variety of approaches, while the picture on state-level DR programs is even less clear, particularly in regions that are served by RTOs. Given the multiple ways in which States approach and implement energy efficiency programs and could approach DR, a registry that can reliably track both efficiency and demand response could help to consolidate these varied efforts and demonstrate compliance and real emissions reductions. This session will explore how States could use a registry to enable and expand energy efficiency and DR programs across the U.S., pave the way for more financing of these kinds of projects, and underpin State compliance under the CPP by providing a transparent platform for documenting, measuring and reporting associated GHG savings.

Moderator: *Hon. Doug Scott*-Commissioner Emeritus, Illinois

Panelists: *Katherine Hamilton*-Policy Director, Energy Storage Association

Steve Nadel-Executive Director, ACEEE

David Rosenheim-Executive Director, The Climate Registry



NARUC 2015

Winter Committee Meetings



Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment

Tuesday, February 17

2:45pm - 5:15pm

Renaissance East

2:45pm

Combining Efficiencies to be Doubly Efficient

Utility regulation often requires a different set of rules, standards and expectations for each separate type of utility. One does not use the same calculations for small water utility rate making as they would to determine cost recovery for accelerated natural gas pipeline replacement. While individualized utility regulation is crucial to effectively regulating the State's utilities, this separation of regulation leaves a glaring hole in energy efficiency. This panel discusses how to leverage electric and natural gas efficiency programs provided by separate utilities to get better results, and how Commissions can help facilitate the cooperative effort to link efficiency programs, education, and outreach among different regulated utilities.

Moderator: *Hon. Jim Gardner*-Commissioner, Kentucky

Panelists: *Hon. Ann McCabe*-Commissioner, Illinois Commerce Commission

Lewis Binswanger-Vice President, Regulatory Affairs, Nicor Gas

George Malek-Director of Energy Efficiency, ComEd

4:00pm

The Future of the Grid: Getting to 2030 and Beyond

There is general agreement that the electric grid must evolve to meet the nation's economic, national security, and lifestyle demands, although there are many visions and possible paths by which this evolution can occur. This session will explore key efforts to articulate this vision, and the need to develop a holistic approach to examine changes that will be needed to the utility business, regulatory models and consumer engagement. Panelists will discuss the practical steps, best practices, policy changes and metrics to drive the progress in grid modernization.

Moderator: *Hon. Lorraine Akiba*-Commissioner, Public Utilities Commission of Hawaii

Panelists: *Sunil Cherian*-CEO, Spirae

Becky Harrison-CEO, GridWise

Ross Hemphill-VP, Regulatory Policy & Strategy, ComEd

Mike Howard-CEO, EPRI

Stu Nachmias-VP, Energy Policy and Regulatory Affairs, Con Edison of New York

JOINT MEETING: Wednesday, February 18

10:30am - 11:45 am

Ballroom South

Coast to Coast: Convergence in the Electricity, Gas and Water Industries and its Impact on Consumers

The energy and water industries are in the midst of a build cycle. Routine maintenance, age and new environmental regulations are driving investments across the country. And with the growing interdependence between the water, electricity, and natural gas industries, investments made in one industry will likely impact the others. How are State commissions preparing to make these decisions? Are there lessons from each sector that can inform the others? A panel of commissioners coast-to-coast will discuss these issues and the impact on consumers.



NARUC 2015

Winter Committee Meetings



Gas

Subcommittee and Staff Subcommittee on Pipeline Safety (Closed Meeting)

Sunday, February 15

1:00pm 5:00pm

Meeting Room 15

Staff Subcommittee on Gas

Sunday, February 15

1:00pm 5:00pm

Mount Vernon A

1:00pm **Welcome and Introductions**

Jack Keegan-Chair, Staff Subcommittee on Gas, Public Utilities Commission of Ohio

1:05pm **We Have Top Men Working on It: Advances in Distribution System Safety Research & Development**

Ron Edelstein with Gas Technologies Institute will discuss exciting new advances in distribution system safety research and development. The presentation highlights some of the latest technology development efforts for natural gas pipeline and distribution system safety and integrity. These new advances promise to make distribution systems even more safe and secure than they are today.

Ron Edelstein-Director of Regulatory and Government Affairs, Gas Technology Institute

1:30pm **What Does the White House Say About the Consideration of GHG in NEPA Reviews?**
(Ballroom South)

*Joint Meeting with Electric and ERE Staff Subcommittees The White House's Guidance to agencies to consider GHG impacts in the National Environmental Protection Act (NEPA) reviews: How did we get here? What does it mean? Implications for FERC licensing of new infrastructure?

Moderator:*Kim Duffley*-Acting Vice Chair Staff Subcommittee on Electricity, North Carolina UC

Panelists:*Horst Greczmiel*-Associate Director for NEPA Oversight, White House Council on Environmental Quality

Marc Spitzer-Attorney, Steptoe and Johnson

2:15pm **Networking Break**

2:30pm **A Room with a (Re)View: Quadrennial Energy Review and Modernizing Natural Gas Infrastructure**

Last year, President Obama issued a Presidential Memorandum directing the administration to conduct the first Quadrennial Energy Review (QER). Drawing from extensive stakeholder engagement plus Interagency discussion and analysis on key threats, risks, and opportunities, the QER provides a multiyear roadmap that outlines Federal energy policy objectives, legislative proposals to Congress, Executive actions, and other policy insights for the country. This first installment of the QER focuses on energy transmission, storage and distribution infrastructure, the networks that link energy supplies to intermediate and end users. During this presentation, Dr. James Bradbury with the Department of Energy will help shine light on this process and implications for the natural gas sector.

Dr. James Bradbury-Senior Policy Advisor for Climate, Environment and Efficiency, Office of Energy Policy and Systems Analysis, U.S. Department of Energy



NARUC 2015

Winter Committee Meetings



Gas (continued)

Staff Subcommittee on Gas

Sunday, February 15

3:00pm -5:00pm

Mount Vernon A

3:05pm

Overview of Natural Gas Markets and Sustainable Energy in America

The Business Council for Sustainable Energy will be releasing a market report in February called the Sustainable Energy in America Factbook. This report promises to provide a detailed look at the State of U.S. energy and the role that a range of new technologies are playing in reshaping the industry. First published in January 2013, the Factbook is researched and produced by Bloomberg New Energy Finance and commissioned by BCSE. The Factbook is designed to provide industry professionals with up-to-date, accurate market intelligence. During this brief overview, Ms. Ruth McCormick will explain how the Factbook takes the pulse of the wide range of clean energy industries including natural gas, renewable energy sources, distributed power, and energy efficiency.

Ruth McCormick-Director, Federal and State Affairs, Business Council for Sustainable Energy

3:15pm

The First Step on the Road to Recovery: Analyzing FERC's Proposed Policy on Cost Recovery for Natural Gas Facilities Modernization

As a result of regulatory reforms by the Pipeline and Hazardous Materials Safety Administration (PHMSA) as well as the Environmental Protection Agency (EPA), interstate pipelines likely will face new standards to both enhance the safety and reliability of their systems and comply with environmental monitoring and compliance obligations. The proposed policy statement is meant to ensure that existing Commission ratemaking policies do not create barriers to the ability of pipelines to expedite needed or required upgrades and improvements. In addition to allowing recovery of modernization costs, FERC may consider capital costs to replace compressor facilities or make other improvements in response to increased federal or State environmental regulations as eligible for inclusion in the surcharge. In this presentation, Ms. Monique Watson from FERC will explain the implications this proposed policy statement can have on interstate pipeline companies.

Monique Watson-Deputy Director, Division of Pipeline Regulation, Office of Energy Market Regulation, FERC

3:45pm

Networking Break

4:00pm

Judgment Day: Gas-Electric Coordination and Implications for Gas Generation

This past November, the North American Energy Standards Board (NAESB) voluntarily submitted a report to FERC regarding the coordination of the scheduling processes of the interstate natural gas pipelines and public utilities (Docket No. RM14-2-000). With the electricity sector's growing dependence on natural gas as the "fuel of choice" for power generators, it is critical that the natural gas and electricity markets strive for greater harmony. Our panel discussion will be led by Ms. Valerie Crockett, who serves as the current Chairman of the NAESB Board of Directors as well as previously co-chaired the 2012 effort to identify the gas-electric market harmonization (GEH) issues, and Ms. Marjorie Philips Director, RTO and Federal Services for Direct Energy -one of the nation's largest natural gas and electric suppliers. This panel promises to provide the committee with insights into NAESB's recommendations and the implications of the FERC's final order.

Speakers: *Valerie Crockett*-Sr. Program Mgr, Regulatory and Policy, TVA- Environment & Energy Policy

Marjorie Rosenbluth Philips-Director, RTO and Federal Services, Direct Energy



NARUC 2015

Winter Committee Meetings



Gas (continued)

Subcommittee and Staff Subcommittee on Pipeline Safety (Closed Meeting)

Monday, February 16

9:00am - 5:00pm

Meeting Room 15

Agenda provided during the meeting.

Committee on Gas

Monday, February 16

10:45am - 5:15pm

Congressional Ballroom

10:45 AM **Polar What? 2014-15 Natural Gas Markets Current Supply and Winter Heating Season Report**

What could trump the vortex-related events of the first quarter of 2014 in energy markets? Drastic changes in energy commodity prices; natural gas consumption levels exceeding January 2014; leveling of storage deficits; or continued increases in domestic production? Actually, all occurred since one year ago to begin 2015. This presentation will examine key market conditions in the wake of last year's temperature and weather induced first quarter natural gas market records and how we find the supply-demand balance, today.

Chris McGill - Vice President, Policy Analysis, AGA

1:00 PM **Post 111 (d) Are we ready to meet natural gas demand (supply & infrastructure) for power generation**

EPA's proposed 111 (d) regulations call for a rapid shift toward significant use of wind, solar and natural gas for electricity generation in America. This redesign of the nation's electric generation system requires major investments in infrastructure and new supply chains to facilitate natural gas generation. This panel will review the gas supply outlook; the status of gas transmission and distribution infrastructure; and the possibilities of new products, services and technologies such as Combined Heat and Power to help utilities and regulators comply with environmental rules and maintain reliability.

Moderator: *Hon. Julie Fedorchak* - Commissioner, North Dakota

Panelists: *Buce Hedman* - Vice President, ICF Consulting

Representative, Eastern Interconnection States Planning Council

Amy Farrell - Vice President - Market Development, ANGA

2:15 PM **Networking Break**

2:30 PM **CEO Panel**

Moderator: *Hon. Chairman Stan Wise* - Commissioner, Georgia

Panelists: *Marty Durbin* - CEO, ANGA

Dena Wiggins - CEO, NGSA

Don Santa - CEO, INGAA

Terry McCallister - Chairman and CEO, WGL and Washington Gas Light

David Carroll - President and CEO, GTI

3:45 PM **Networking Break**



NARUC 2015

Winter Committee Meetings



Gas (continued)

Committee on Gas

Monday, February 16

4:00pm - 5:15pm

Ballroom Central

4:00 PM **Implications of EPA's Clean Power Plan proposal on Electric Grid Reliability (Ballroom Central)**

*Joint Session with Electricity Committee

By now, States are very familiar with and are advocating State-specific and regional positions associated with the US EPA's proposed Clean Power Plan (111(d)). A piece of the puzzle that is missing from most States' analyses though is whether the Clean Power Plan will impact grid reliability. Fortunately, NERC and our RTOs/ISOs are exploring this issue and can provide State regulators with informed, technical guidance. Will the Clean Power Plan impact grid reliability and should States be concerned? Are the building blocks and associated goals technically feasible? Do we have enough pipeline infrastructure to support the desired increase in NGCC plant dispatch? Can we seamlessly integrate the rule's desired amount of renewables into the grid? Will reliability be impacted when coal retirements accelerate as a result of this rule? Come find out the answer to this and many other reliability based questions regarding the Clean Power Plan.

Moderator : *Hon. Asim Z. Haque* - Commissioner, Ohio

Panelists :*Paul Sotkiewicz* - Chief Economist, Market Services Division, PJM

Jim Rob - CEO, WECC

Clair Moeller - COO, MISO

Gerry Cauley - President and CEO, NERC

Tuesday, February 17

10:30am 5:15pm

Congressional Ballroom

10:30am **Methane Emissions: Is Regulation Necessary; If So, by Whom?**

The Environmental Protection Agency is proposing new rules aimed at reducing methane emissions from the oil and gas sectors. Is it necessary to regulate methane emissions as a pollutant through EPA or can the same objectives be achieved under PHMSA safety regulations? Moreover, recent studies on methane leakage from pipeline systems have some organizations calling on utilities and their regulators to expedite pipeline replacement programs. But is the attention on methane coming at the expense of pipeline safety? How will the Administration's climate initiatives impact efforts to improve the safety of the pipeline system? How closely are the EPA and the Pipeline and Hazardous Materials Safety Administration working together on these issues? Are the regulations necessary in the first place and can the same objectives be accomplished through PHMSA and not the EPA? This panel will address these issues and how they are impacting consumers, the environment, and safety.

Moderator:*Hon. Paul Roberti*-Commissioner, Rhode Island

Panelists:*Jeffrey D. Wiese*-Associate Administrator, Pipeline and Hazardous Materials Safety Admin.

Lois Finkell (invited)-Executive Vice President, American Petroleum Institute

Theresa Pugh-Vice President, INGAA

Mark Brownstein-Associate Vice President, Environmental Defense Fund

Ralph LaRossa-President and Chief Operating Officer, Public Service Electric & Gas Company



NARUC 2015

Winter Committee Meetings



Gas (continued)

Committee on Gas

Tuesday, February 17

10:30am - 5:15pm

Congressional Ballroom

1:15pm **Business Meeting**

2:30pm **Networking Break**

2:45pm **Modernizing Natural Gas Infrastructure; Insights from The First Quadrennial Energy Review**

Energy infrastructure and related services enable the U.S. to achieve key policy priorities, including economic productivity, environmental protection and national security. This is why the President directed this Administration to develop the first Quadrennial Energy Review (QER), which will provide a multi-year roadmap that outlines Federal energy policy objectives, legislative proposals to Congress, Executive actions, an agenda for RD&D programs and funding, and financing and incentive programs. Building on extensive stakeholder engagement and over a dozen public meetings around the country, the first installment of the QER focuses on energy transmission, storage and distribution infrastructure, the networks that link energy supplies to intermediate and end users. This discussion will offer State utility regulators, consumers, and other stakeholders an account of findings of the QER.

Moderator: *Hon. Diane Burman*-Commissioner, New York

Panelist: *William F. Hederman*-Deputy Director for Systems Integration and Senior Advisor to Secretary Ernie Moniz, U.S. Department Of Energy

3:45pm **Networking Break**

4:00pm **Enhancing Emergency Preparedness for Natural Disasters (Joint Meeting)**

Enhancing Emergency Preparedness for Natural Disasters is the National Petroleum Council's (NPC) response to a request from Energy Secretary Moniz for advice about natural gas and oil infrastructure resilience (emergency preparedness). The report presents recommendations for the U.S. government and industry to improve communication and coordination in responding to energy system disruptions during natural disasters. The purpose of the NPC is solely to advise, inform, and make recommendations to the Secretary of Energy on any matter requested by the Secretary relating to oil and natural gas or the oil and gas industries. Dr. Paula Gant, Deputy Assistant Secretary for Oil and Natural Gas, DOE, and Ms. Peggy Montana, CEO and President, Shell Midstream Partners, LP, will present the report's key findings and recommendations.

Moderators: *Hon. Swain Whitfield*-Commissioner, South Carolina

Hon. Carolene Mays-Medley-Commissioner, Indiana

Panelist: *Dr. Paula Grant* - Deputy Assistant Secretary, Office of Oil and Natural Gas Dept of Energy
Peggy Montana-CEO and President, Shell Midstream Partners, LP

JOINT MEETING: Wednesday, February 18

10:30am -11:45 am

Ballroom South

Coast to Coast: Convergence in the Electricity, Gas and Water Industries and its Impact on Consumers

The energy and water industries are in the midst of a build cycle. Routine maintenance, age and new environmental regulations are driving investments across the country. And with the growing interdependence between the water, electricity, and natural gas industries, investments made in one industry will likely impact the others. How are State commissions preparing to make these decisions? Are there lessons from each sector that can inform the others? A panel of commissioners coast-to-coast will discuss these issues and the impact on consumers.



NARUC 2015

Winter Committee Meetings



International Relations

Committee on International Relations

Sunday, February 15

1:00pm - 5:00pm

Congressional Ballroom

1:00pm **Welcome and Introductions**

Hon. Eric Callisto-Chair - IRC, Wisconsin

Hon. Francisco Xavier Salazar Diez de Sollano-Co-Vice Chair, IRC, Mexico

Hon. Anne Hoskins-Co-Vice Chair, IRC, Maryland

1:05pm **Minutes/resolutions/other business**

1:10pm **The South American Electricity Sector - An Introduction**

An overview of the current status of electric generation, transmission and usage in South America, including an overview of sector regulation and regulatory needs.

Mr. Sergio Ballon-Energy Project Analyst, Inter-American Development Bank

2:00pm **Terry Barnich Award presentation**

Join the Committee on International Relations as it announces the recipients of the highest honor it can bestow, the Terry Barnich Award for Promoting International Cooperation Among Utility Regulators and Development of Professional Regulation. The award is presented annually to commissioners or staff from state regulatory bodies or affiliated organizations and honors outstanding contributions to NARUC's international efforts. The award honors the memory of the former Chairman of the Illinois Commerce Commission (1989 to 1992), Terrence "Terry" Barnich, who was killed on Memorial Day, May 25th, 2009, while working as the Deputy Director of the State Department office overseeing U.S. reconstruction projects in Iraq. He was a dedicated public servant and an active NARUC member.

2:30pm **Break**

2:45pm **Die Energiewende - an update**

An update on the status of the closely watched energy sector restructuring in Germany. This is a follow-up to the presentation at the 2013 annual meeting.

Dr. Georg Maue-First Secretary Climate and Energy Policy, Embassy of the Federal Republic of Germany

3:30pm **The Canadian Carbon Credit Conundrum**

Importing carbon-neutral electricity from Canada has been proposed as a way for states to meet carbon reduction goals set by the US Environmental Protection Agency 111d carbon regulation. This panel will examine several aspects of the issue, including whether imports should count at all and, if they do, what types of generation - hydro, wind, other - should be included.

Moderator:*Hon. Eric Callisto*-Chair - IRC, Wisconsin

Panelists:*Patrick Brown*-Director, U.S. Affairs, Canadian Electricity Association

Kyle Aarons-Senior Fellow, The Center for Climate and Energy Solutions

John N. Moore-Senior Attorney - Sustainable FERC Project, Natural Resources Defense Council

Canadian energy regulator-TBD

4:30pm **NARUC reports and updates**

A report on NARUC's participation in the Power Africa initiative and an update on other NARUC international efforts

Ms. Bevan Flansburg-Deputy Director, International Programs, NARUC

Ms. Erin Hammel-Director, International Programs, NARUC



NARUC 2015

Winter Committee Meetings



Telecommunications

Staff Subcommittee on Telecommunications

Sunday, February 15

9:00am - 5:00pm

Ballroom North

9:00am **Reports by National Representatives**

*FirstNet Report - *NTIA Report - *John Morris*

9:30am **FCC Bureau Reports**

Moderator: *Gene Hand*-Director of Telecommunications Dept., Nebraska Public Service Commission

Panelists: *David Furth*-Deputy Bureau Chief, Public Safety and Homeland Security Bureau

Kris Monteith-Acting Bureau Chief, Consumer and Governmental Affairs Bureau

Vickie Robinson-Assistant Bureau Chief, Enforcement Bureau

Michael Janson-Associate Chief, Spectrum and Competition Policy Division, Wireless Telecommunications Bureau

Mark Walker-Legal Advisor, Wireline Competition Bureau

10:15am **Networking Break**

10:30am **Cramming - Wi-Fi (Joint Panel w/Consumer Affairs)**

Just When You Thought You'd Figured Out Your Phone This panel will look at two hot consumer-related topics -- cramming and wi-fi -- and how State and federal regulators are addressing them, plus the industry's perspective. The panelists will look at how the FCC's new Consumer Help Center will handle cramming complaints? How are different State and federal agencies enforcing anti-cramming rules? What privacy issues arise when private wi-fi networks are used as public hotspots? Wi-Fi Jamming / Deauthentication - What is it and who cares?

Moderator: *Greg Fogleman and Cindy Muir*, Florida Public Service Commission

Panelists: *Kris Anne Monteith*-Acting Chief, Consumer & Governmental Affairs Bureau, FCC

Heather Allen-Program Manager for Mobile Payments, FTC

Lenora Best-Policy Division Chief- Bureau of Consumer Services, Pennsylvania PUC

Michael Altschul-Senior Vice President for Policy and Administration and General Counsel, CTIA

Rick Cimerman-Vice President External & State Affairs, NCTA

11:45am **Lunch (On your own)**

1:20pm **Activated FM Chips in Smartphones - Do They Have Value During Disasters?**

(Joint Panel w/Critical Infrastructure) (Ballroom Central)

Communications systems serve a vital role conveying information to the public during emergencies.

If cellular or wi-fi communication networks fail or become overloaded, can radio-enabled smartphones fill the gap? What are the pros and cons?

Moderator: *Hon. Carolene Mays-Medley*-Chair, Committee on Critical Infrastructure

Panelists: *Jeff Smulyan*-Founder/Chairman, Emmis Communications Corp.

Brian Josef-Asst. VP, Regulatory Affairs, CTIA

Charles Hoffman, FEMA



U.S. DEPARTMENT OF
ENERGY



NARUC 2015

Winter Committee Meetings



Telecommunications (Continue)

Staff Subcommittee on Telecommunications

Sunday, February 15

2:30pm - 5:00pm

Ballroom North

2:30pm Identifying a Role for the States in the IP transition

This panel will address the status of the technology transition with a specific focus on interconnection agreements, competition, and the need for States to ensure that customers continue to receive the service they need at prices they can afford. The panel will address key questions including the impact of the transition on end users, competitors, and regulators; ways to maintain competition in the new IP world; the need for interconnection agreements; and the State role in ensuring that consumers are not harmed or put at risk by the transition.

Moderator: *Sherry Lichtenberg, Ph.D.*, National Regulatory Research Institute

Panelists: *Jennie B. Chandra*-Vice President of Public Policy & Strategy, Windstream

Rebekah Goodheart-Legal Advisor to Commissioner Mignon Clyburn, FCC

Carolyn Hammack-Director - Public Policy, CenturyLink

Hank Hultquist-Vice President, Federal Regulatory, AT&T

Keith Oliver-Senior Vice President, Corporate Operations, Home Telephone Company, Inc.

3:45pm Networking Break

4:00pm Final Resolution Discussion

MYTH

EPA's carbon proposal on existing power plants will **reduce** energy bills.

FACT

The costs to comply with EPA's plan could total \$366 billion, or more, in today's dollars. Consumers will ultimately foot the bill for these rising costs, which include **double-digit electricity price increases in 43 states**, with 14 states potentially facing peak year electricity price increases exceeding 20 percent.

Get the facts at www.AmericasPower.org

AMERICA'S POWER
American Coalition for Clean Coal Electricity



NARUC 2015

Winter Committee Meetings



Telecommunications (Continued)

Committee on Telecommunications

Monday, February 16

10:45am 5:15pm

Ballroom North

10:45am **The 2014 National Emergency Communications Plan: A Plan for the Evolving Communications Landscape**

Joint with the Committee on Critical Infrastructure National assessments and after-action reports from large-scale incidents, such as the September 11th terrorist attacks and Hurricane Katrina, highlighted critical gaps in the Nation's emergency communications capabilities. As a result, in 2008, the Department of Homeland Security's Office of Emergency Communications developed the National Emergency Communication Plan (NECP) to provide solutions and best practices to address emergency communications deficiencies. However, the first NECP focused primarily on public safety agencies and the use of Land Mobile Radio (LMR) communications systems. Since the release of that plan, the landscape of emergency communications has evolved significantly to include the use of IP-based technologies (e.g., text-to-911 and video streaming). In addition, policy and doctrinal changes have led to the adoption of the "whole community" approach to emergency response leading to a broader range of partners, such as public health, medical, and transportation agencies, as well as all critical infrastructure sectors. As result, OEC recently conducted the first comprehensive update to the NECP to reflect this new, dynamic emergency response environment. The 2014 NECP provides critical information and guidance to those that plan for, coordinate, invest in, and use communications to support response and recovery operations. Building on the framework established by the first plan, the update NECP continues to drive improvements on key communications capabilities, as well as guide investments to keep pace with the evolving communications landscape. This session will provide an overview of the 2014 NECP and demonstrate the importance of the "whole community" approach to emergency response and recovery.

Ron Hewitt-Admiral, Department of Homeland Security

1:00pm **Reaching Emergency Personnel When Dialing 911 Using Multi-line Telephone Systems - Does it always work?**

The tragic death of Kari Rene Hunt Dunn in a Marshall, Texas hotel room in December, 2013, that occurred while her nine-year old daughter made multiple unsuccessful attempts to reach 911 because she did not know that she must dial an "extra" 9 to get an outside line before simply dialing 911, has spurred an active campaign to address the problem where multi-line telephone systems require additional digit dialing to reach 911 emergency personnel. Federal Communications Commission Member Ajit Pai has spent the last year leading an effort with the hotel-motel industry, vendors of multi-line telephone systems and members of the public to address the issue and find solutions. This esteemed panel of tireless public safety advocates will present an overview and examples of why there is a problem with multi-line telephone system dialing for 911, discuss how the issue can be solved, outline the progress that has been made in the past year and discuss what more can and needs to be done. Through the outreach and awareness provided in this panel discussion, State commissions will be able to better assess the situation in their own States and whether there are necessary changes that should be made to laws, rules and enforcement mechanisms to assure that all citizens can reach emergency services by dialing 911 whether in their home, hotel, schools or buildings.

Moderator: *Hon. Philip Jones-Commissioner, Washington*

Panelists: *Hon. Ajit Pai-Commissioner, FCC*

Rear Admiral, USN (ret) David G. Simpson-Bureau Chief, FCC Public Safety & Homeland Security

Mark J. Fletcher, ENP-Chief Architect - Public Safety Solutions, Avaya



NARUC 2015

Winter Committee Meetings



Telecommunications (continued)

Committee on Telecommunications

Monday, February 16

2:30m 5:15pm

Ballroom North

2:30pm **CAF II: And The Wheels Keep On Turning**

In its ongoing effort to modernize Universal Service, the FCC issued its Report and Order in WC Docket No.10-90 on December 18, 2014 (CAF II). A panel comprised of representatives of the FCC and the industry sectors affected will provide their diverse takes on the changes made effective by CAF II, whether the changes are net positive or net negative, how the CAF II mechanism will work, what options are available for areas not eligible for CAF funding, how the auction process will work and other related and important issues.

Moderator: *Hon. Sheila K. Tipton*-Commissioner, Iowa

Panelists: *Carol Matthey*-Deputy Chief, Wireline Competition Bureau, FCC

Kathleen Q. Abernathy-Executive Vice President, External Affairs, Frontier Communications

Dusty Johnson-Director of Consulting, Vantage Point Solutions

Jeff Reynolds-Principal, Reynolds Schultheis Economic Consulting, Inc.

Joel Lubin-Vice President, Public Policy, AT&T Services, Inc.

Curt Stamp-Director - Regulatory Affairs OK/KS/AR, Cox Communications

4:00pm **Shirley Bloomfield, NTCA**

4:30pm **Public Comment Time for Committee on Telecommunications Resolutions**

Hon. Chris Nelson-Chairman, South Dakota

Committee on Telecommunications

Tuesday, February 17

10:30am - 5:15pm

Ballroom North

10:30am **Used and Useful the Cutting Edge of Technology?**

What's next. Where will we find the next technological innovation made possible by broadband connectivity? What are the key players in the industry working on and how will these new products benefit the average consumer? Will they be necessary, useful and affordable?

Moderator: *Hon. Paul Kjellander* - President, Idaho

Panelists : *Hany Fahmy* - Assistant Vice President, AT&T

Thomas Wlodkowski - VP - Accessibility Technology & Product Development, Comcast

Travis Mason, Google

Jennifer Richter - Partner, Akin Gump (Small UAV Coalition)

John Kuzin - Senior Director, Govt. Affairs, Verizon

1:15pm **Committee on Telecommunications Business Meeting**

Hon. Chris Nelson - Chairman, South Dakota

2:45pm **Congressional Staff**

Hon. Travis Kavulla - Commissioner, Montana



NARUC 2015

Winter Committee Meetings



Telecommunications (continued)

Tuesday, February 17

4:00am - 5:15pm

Ballroom North

4:00pm Spectrum, Spectrum Everywhere Who Needs It & Why?

This session will provide an educational presentation of the communications needs of utilities and critical infrastructure industries. What are the public and private communications networks and services used to provide advance metering infrastructure, distribution automation and security functions for electric, gas, and water utilities. Is there a spectrum shortage for such communications networks and services, now or in the future? What is the FCC's priority for addressing spectrum needs for utilities and critical infrastructure industries? What's the difference between using licensed and unlicensed spectrum for utilities' communications needs? Is the secondary market for spectrum sales or spectrum auctions by the FCC the answer? What is the role of the States in this endeavor?

Moderator *Hon. Betty Ann Kane* - Chairman, District of Columbia

Panelists *Matt Wakefield* - Director, Information, Communication and Cyber Security, EPRI

Charles Kiely - Assistant General Manager, Customer Care & Operations, DC Water & Sewer Authority

Jeffrey H. Katz - Lead Senior Consultant, Enterprise Wireless Compliance Advisor, PSEG Services Corp.

David Hudgins - Director, Member and External Relations, Old Dominion Electric Cooperative

Stacey Black - Asst. Vice President, External Affairs, AT&T

Kathy Nelson - Principle Telecommunications Engineer, Great River Energy

Wednesday, February 18

9:00am - 11:45am

General Session is from 9:00 - 10:30am in Ballroom South

10:30 AM What Are the Technical Potholes and Detours on the Road to Improved Wireless 911

Location Accuracy?

The goals of the panel are to examine the FCC's most recent order in PS Docket No. 07-114 addressing Wireless 911 Location Accuracy and answer the technical questions arising from new metrics adopted to measure improved location accuracy. In a December 19, 2014 blog posting by Admiral David Simpson, Chief, FCC's PSHSB he emphasizes "First responders must be able to locate 911 callers – indoors or outdoors - quickly and accurately."

Moderator *Hon. Tim Schram* - Commissioner, Nebraska

Panelists *Timothy May*, Policy & Licensing Division, Public Safety and Homeland Security Bureau, FCC

Tim Lorello, TCS

Dr. Rash Mia, TruePosition

Eric Hagerson, T-Mobile

Bruce Cox, NextNav



NARUC 2015

Winter Committee Meetings



Water (continued)

Committee on Water

Monday, February 16

10:45am - 5:15pm

Renaissance West A

- 10:45am **Water Re-Use and Opportunities for Public-Private Partnerships**
Public-private partnerships leverage the best practices and unique strengths of local governments and private companies to meet the growing challenges of capital investment, environmental protection, and sustainability. Communities across the country have turned to these partnerships to address these challenges, and this panel will explore programs that have taken unique approaches to financing and water reuse.
Mark Strauss - Sr. V.P. Corporate Strategy and Business Development, American Water
Robert Iacullo - Executive Vice President, United Water
- 1:00pm **Water Planning in the Colorado River Basin**
Drought, the ultimate supply issue. The Colorado River and the national and international demands placed on it is a case study for managing uses with a dwindling supply.
Moderator: *Don Lomoljo*-Hearing Officer, Public Utilities Commission of Nevada
Panelists: *Robert Snow*-Attorney-Advisor, U.S. Department of Interior, Office of the Solicitor
Ann C. Pongracz-Special Counsel, Colorado River Commission of Nevada
- 2:30pm **Private versus Public**
For many years, groups opposed to water privatization and the delivery of water services through public-private partnerships have voiced their concerns in various forums. This session will discuss recent experiences with such groups.
Moderator: *Hon. Sherina Maye*-Commissioner, Illinois
Panelists: *Michael Deane*-Executive Director, National Association of Water Companies
John Hoy-President, Utilities, Inc of Florida, Utilities, Inc.
Eric Thornburg-President and CEO, Connecticut Water
- 4:00pm **Business Meeting**
Items of Business of the Water Committee will be covered including discussion and action on Resolutions and approval of the minutes from the Annual Meeting. Additionally, updates from the various partners of the Water Committee will be given, including NAWC, NARUC, WRF, NRRI, and NARUC's Rate School. Members of the Committee will also have time to brief the Committee on activities of interest in their State.





NARUC 2015

Winter Committee Meetings



Water (continued)

Tuesday, February 17

10:30am - 5:15pm

Renaissance West A

10:30am Social Media: Effective Communication Following a Disaster

Social media platforms have proven effective in providing immediate, two-way communications between customers, regulators, and utilities. Social channels are valuable tools for customer education and are increasingly being used for outage notification and outreach during critical events. This panel will examine how these channels are being used by leading water utilities to engage their customers and provide some observations and tips from Twitter directly.

Moderator: *Hon. Catherine Sandoval*-Commissioner, California

Panelists: *Maureen Duffy*-Vice President of Corporate Communications & External Affairs, American Water

Kimberly Joyce-Regulatory Counsel and Director of Legislative Affairs, Aqua America

Tom Hubbard-Manager of Communications and Community Relations, United Water

Sean Evins (Invited)-Twitter, Inc.

1:15pm Water & Wastewater Systems Resilience: Preparing for Extended, Wide-Area Power Outages (Joint Session with Committee on Critical Infrastructure)

This session will discuss "black sky day" events and widespread failure of water or wastewater systems resulting in mass mitigation issues. Discussion will include the availability of generators, distribution of generators, fuel availability. Information from a current study with input from industry and federal partners will be shared. Moderator: *Hon. Pamela Witmer* - Commissioner, Pennsylvania

Panelists: *Hon. Mary-Anna Holden* - Commissioner, New Jersey

Dr. Paul Stockton - Managing Director, Sonecon

Nicholas Santillo, Jr - Director, Operations Security, American Water

2:45pm EPA Finance Project Update

The U.S. Environmental Protection Agency has launched the Water Infrastructure and Resiliency Finance Center, designed to help communities across the country improve their wastewater, drinking water and stormwater systems, particularly through innovative financing and by building resilience to climate change. How will this assist our growing need for accelerated infrastructure replacement, and affect the collaboration between State and local governments and the private sector or expand public-private partnerships?

Speaker: *Andrew Sawyers*-Director, EPA Office of Wastewater Management

4:00pm Green Infrastructure: Case Studies in Energy Management and Environmental Efficiency for Water and Wastewater Utilities

A discussion and several case studies in water and wastewater utility green infrastructure projects, ranging from the utilization and installation of energy efficiency measures at water wastewater treatment plants to the New York City Department of Environmental Protection's rollout of its Green Infrastructure Program. Panelists will also discuss best practices in energy management and optimization in the water and wastewater sectors.

Moderator: *Hon. Mary-Anna Holden*-Commissioner, New Jersey Board

Panelists: *Ed Clerico, P.E.*-Chief Executive Officer, Natural Systems Utilities

Sri Rangarajan, PH.D.-President and Principal Consultant, BOOMI Environmental

JOINT MEETING:

Coast to Coast: Convergence in the Energy and Water Industries and its Impact on Consumers

Wednesday, February 18

10:30am - 11:45am

Ballroom South



NARUC 2015

Winter Committee Meetings



Special Meetings

Sunday Morning Collaborative

Sunday, February 15

9:00am - 11:45am

Ballroom Central

9:00am **What you need to know about FERC enforcement**

Hon. Colette Honorable, FERC

Hon. Travis Kavulla, Montana

Hon. Eric Callisto, Wisconsin

Welcome from Hon. Colette Honorable, FERC - An introduction to the topic of FERC enforcement. With a focus on fraud and market manipulation, violations of serious mandatory reliability standards, actions that impinge on market transparency, and recovery of \$40 million in disgorgements and penalties in 2014, FERC continues to place enforcement activities at the top of its list. Join new FERC Commissioner Colette Honorable and a distinguished set of panelist for a primer on FERC enforcement; a discussion of the topics that keep regulatory, market monitors, and the regulated on watch for potential problems; and an opportunity for Q and A with some of the most engaged and forward thinking speakers on this important topic.

9:10am **Life of a FERC Enforcement Case**

Larry Parkinson, Director, Division of Investigation, Office of Enforcement, FERC Senior management from the FERC enforcement team will walk through the life of a typical FERC enforcement action, from investigation to case resolution.

9:55am **Q&A**

10:10am **Stories from the Enforcement Trenches**

Experienced panelists will provide commentary on different aspects of FERC enforcement cases, including opinions on the changing role of enforcement over time, and the role of State regulators.

Speakers: *Marc Spitzer*, Steptoe & Johnson, LLP, and former FERC Commissioner

John Moot, Skadden, Arps, and former FERC General Counsel and Chief of Staff

Dr. Joseph Bowring-President, Monitoring Analytics, and current market monitor, PJM

Rishi Garg-General Counsel and Principal Researcher, NRRI

10:50am **Discussion**





NARUC 2015

Winter Committee Meetings

Upcoming Meetings



NARUC Meetings

Contact: Michelle Malloy
mmalloy@naruc.org

2015 Summer Committee Meetings

New York, NY
Marriott Marquis
July 12 - July 15, 2015

127th NARUC Annual Meeting

Austin, TX
JW Marriott
November 8 -12, 2015

2016 Winter Committee Meetings

Washington, DC
Renaissance Washington Hotel
February 14 - February 17, 2016

2016 Summer Committee Meetings

Nashville, TN
Omni Nashville
July 24 - July 27, 2016

128th NARUC Annual Meeting

La Quinta, CA
La Quinta Hotel
November 13 -16, 2016

2017 Winter Committee Meetings

Washington, DC
Renaissance Washington Hotel
February 12 - February 15, 2017

Regional Meetings

2015 Western Conference

Phoenix, AZ
Arizona Biltmore
May 31- June 5, 2015
Contact: Susan Bitter Smith
sbittersmith@azcc.gov

MARC 2015

Milwaukee, WI
June 7 - June 10, 2015
Contact: Christina Keeley
christina.keeley@wisconsin.gov

2015 NECPUC Symposium

Newport, RI
Hyatt Regency
June 7 - June 10 2015
Contact: Sarah Hofmann
shofmannecpuc@gmail.com

2015 SEARUC Conference

San Antonio, TX
The Omni La Mansion del Rio
June 7 - 10, 2015
Contact: Sallie K. Tanner
salliek@psc.state.ga.us

MACRUC 20th Annual Education Conference

Williamsburg, VA
The Williamsburg Lodge
June 21 - June 24, 2015
Contact: Michelle Malloy



NARUC 2015

Winter Committee Meetings



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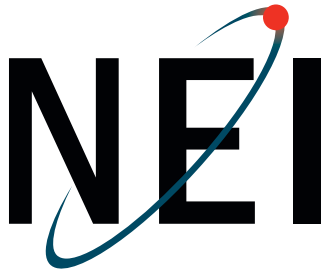


NARUC 2015

Winter Committee Meetings



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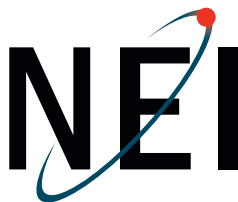
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