

CHALLENGES COAST TO COAST

CONSUMERS, CONVERGENCE, AND CHANGE

NARUC
127th Annual Meeting
November 8-11, 2015
JW Marriott • Austin, Texas



NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Table of Contents

General Information	2
Program at a Glance	4
Annual Meeting Program	6
Sponsors	24
Board of Directors.	26
Consumer Affairs	28
Critical Infrastructure	30
Electricity	31
Energy Resources & Environment	36
Gas	38
International Relations	40
Telecommunications	42
Water	45
Special Meetings	46
CLE Information.	47
NASUCA Meeting	51
Hotel Floor Maps	54



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Challenges Coast to Coast

Consumers, Convergence, and Change

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127th Annual Meeting

General Information

Hotel Information

JW Marriott Austin
110 E. 2nd Street
Austin, TX 78701
tel: (512) 474-4777

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 NARUC meetings.

Blue – Commissioners

Green – Industry

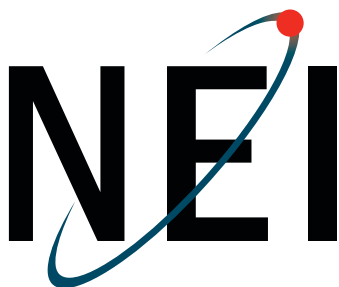
Red – Commission Staff

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

Purple – Media

Program Printing

This program was printed using information as of October 25. Some information may have changed by the time the meeting occurs.



NUCLEAR ENERGY INSTITUTE

Continental Breakfast

A continental breakfast will be provided from 7:30 am to 9:00 am Sunday through Wednesday, courtesy of the National Rural Electric Cooperative Association (NRECA) on the Level 4 Foyer.

Event Tickets

Tickets are required for entry to the Welcome Reception, Commissioner/Staff and Commissioner Emeritus Luncheon, and the Annual Installation Luncheon. Tickets selected during the online registration process are enclosed in the attendee registration envelope. Tickets to the Welcome Reception will be exchanged at the door for two 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

Saturday - Wednesday: Business Casual Attire
Meeting rooms have a tendency to be cool. We suggest you bring a sweater or jacket for your comfort.

Twitter Users

Use the #NARUCinAustin hash tag when tweeting from our meetings. Follow us at twitter.com/naruc.

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 Regina L. Davis at rdavis@naruc.org for permission.



Clean is powerful.

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

 **AMERICA'S
NATURAL GAS**

thinkaboutit.org

Program at a Glance

Sunday, November 8, 2015

7:30 AM-9:00 AM	Continental Breakfast	4th Floor Foyer
8:00 AM-6:30 PM	NARUC Registration Desk	Room 402
9:00 AM-11:45 AM	Subcommittee on Clean Coal and Carbon Management	Salon 7
9:00 AM-11:45 AM	Subcommittee on Utility Marketplace Access	Salon 5
9:00 AM-5:00 PM	Staff Subcommittee on Telecommunications	Salon 3&4
9:00 AM-5:00 PM	Subcommittee/Staff Subcommittee on Pipeline Safety (Closed Meeting) (Commissioners and Staff Only)	Room 409
9:00 AM-11:45 AM	Staff Subcommittee on Consumer Affairs	Salon 1/ Salon 3
10:00 AM-10:30 AM	Networking Break	4th Floor Foyer
10:30 AM-11:45 AM	Staff Subcommittees on Electric Reliability and Electricity	Salon 8
10:30 AM-12:30 PM	TeAM Meeting (Closed Meeting)	Room 301-302
10:30 AM-12:45 PM	New Commissioner Forum (New Commissioners Only)	Room 303-304
10:30 AM-11:45 AM	Subcommittee and Staff Subcommittee on Nuclear Issues	Room 307
1:00 PM-2:45 PM	Staff Subcommittee on Energy Resources & the Environment	Salon 8
1:00 PM-5:00 PM	Staff Subcommittee on Gas	Salon 5
1:00 PM-3:00 PM	Convergence Consortium	Salon 6
1:00 PM-3:00 PM	Staff Subcommittee on Critical Infrastructure (Closed Meeting)	Room 307
2:15 PM-2:30 PM	Networking Break	4th Floor Foyer
3:00 PM-5:00 PM	Washington Action (Closed Meeting)	Room 408
3:00 PM-5:00 PM	Task Force on Environmental Regulation and Generation (Closed Meeting)	Room 301-302
3:00 PM-5:00 PM	Committee on International Relations	Salon 7
3:00 PM-5:00 PM	Committee on Consumer Affairs	Salon 1- 2
3:00 PM-5:00 PM	Committee/Staff Subcommittee on Critical Infrastructure	Salon 8
3:45 PM-4:00 PM	Networking Break	4th Floor Foyer
5:00 PM-6:30 PM	Welcome Reception	Salon D-E -3rd Floor

Monday, November 9, 2015

7:30 AM-8:45 AM	Board of Directors Meeting	Salon H - 3rd Floor
7:30 AM-9:00 AM	Continental Breakfast	4th Floor Foyer
7:30 AM-8:45 AM	OPSI Board Meeting (Invitation Only)	Salon G
8:00 AM-5:00 PM	NARUC Registration Desk	4th Floor Foyer
9:00 AM-11:45 AM	Committee on Electricity	Salon 5
9:00 AM-11:45 AM	Committee on Energy Resources & the Environment	Salon 8/Salon 5

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Program at a Glance

Monday, November 9, 2015

9:00 AM-11:45 AM	Committee on Gas	Salon 6
9:00 AM-11:45 AM	Committee on Telecommunications	Salon 3-4
9:00 AM-11:45 AM	Committee on Water	Salon 7
9:00 AM-5:00 PM	Staff Subcommittee on Law	Room 408
10:15 AM-10:30 AM	Networking Break	4th Floor Foyer
11:45 AM-12:45 PM	Commissioner/Staff/Commissioner Emeritus Luncheon	Salon ABC
11:45 AM-12:00 PM	Commissioner Emeritus Business Meeting	Room 401
1:00 PM-3:15 PM	Opening General Session	Salon D-E 3rd Floor
3:30 PM-4:45 PM	Concurrent Sessions A 1-5	4th Floor Ballroom
5:00 PM-6:00 PM	MACRUC Meeting (Invitation Only)	Room 303
5:00 PM-6:00 PM	MARC Meeting (Invitation Only)	Room 302
5:00 PM-6:00 PM	NECPUC Meeting (Invitation Only)	Room 305
5:00 PM-6:00 PM	SEARUC Meeting (Invitation Only)	Room 301
5:00 PM-6:00 PM	Western Meeting (Invitation Only)	Room 304

Tuesday, November 10, 2015

7:30 AM-9:00 AM	Continental Breakfast	4th Floor Foyer
8:00 AM-5:00 PM	NARUC Registration Desk	Room 402
9:00 AM-10:00 AM	General Session: Challenges Coast to Coast: Consumers, Convergence, and Change	Salon D-E 3rd Floor
10:00 AM-10:15 AM	Networking Break	4th Floor Foyer
10:15 AM-11:30 AM	Concurrent Sessions B 1-5	4th Floor Ballroom
11:30 AM-11:45 PM	Networking Break	4th Floor Foyer
11:45 AM-1:00 PM	Concurrent Sessions C 1-5	4th Floor Ballroom
1:00 PM-2:15 PM	Annual Installation Luncheon	Salon D-E 3rd Floor
2:30 PM-4:30 PM	Board of Directors Meeting	Salon H - 3rd Floor
2:30 PM-5:00 PM	NRRI Colloquium	Salon 5

Wednesday, November 11, 2015

7:30 AM-9:00 AM	Continental Breakfast	4th Floor Foyer
8:00 AM-12:00 PM	NARUC Registration Desk	Room 402
9:00 AM-10:15 AM	Concurrent Sessions D 1-2	4th Floor Ballroom
10:15 AM-10:30 AM	Networking Break	4th Floor Foyer
10:30 AM - 11:45 PM	Closing General Session	Salon 6

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Challenges Coast to Coast
Consumers, Convergence, and Change

127th Annual Meeting

Annual Meeting Program

Monday, November 9

1:00 PM - 3:15 PM Opening General Session Salon D - E - 3rd Floor

- 1:00 PM** **Challenges Coast to Coast: Consumers, Convergence, and Change**
Welcome to the NARUC 127th Annual Meeting!
National Anthem sung by *Courtney Santana*
Reflection on 2014-2015 Year as President: *Hon. Lisa Edgar* of Florida
- 1:30 PM** **Election of 2015 - 2016 Officers and Confirmation of Board Members**
Nomination and Election of NARUC 2015-2016 Officers
Nomination of NARUC President: *Hon. Susan Ackerman*, Oregon
Second Nomination of NARUC President: *Hon. Nick Wagner*, Iowa
Nomination of NARUC 1st Vice President: *Hon. Andre Porter*, Ohio
Second Nomination of NARUC 1st Vice President: *Hon. Donna Nelson*, Texas
Nomination of NARUC 2nd Vice President: *Hon. Michael Caron*, Connecticut
Second Nomination of NARUC 2nd Vice President: *Hon. Butch Howard*, South Carolina
- 2:00 PM** **Clean Power Plan**
EPA Administrator *Gina McCarthy* will join NARUC to discuss the Clean Power Plan.
- 2:30 PM** **Tesla: Technology of the Future is Here!**
Jeffrey Brian "JB" Straubel, Chief Technical Officer of Tesla Motors. Mr. Straubel oversees the technical and engineering design of the vehicles. Mr. Straubel also has responsibility for new technology evaluation, R&D, technical diligence review of key vendors and partners, IP, and systems validation testing.



American Gas Association

NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Monday, November 9

3:30 PM - 4:45 PM

Concurrent Sessions A 1-5 - 4th Floor Ballroom

3:30 PM

A1: Protecting Consumers, Public Safety, and Competition During the IP Technology Transition

Salon 5

There are multiple transitions taking place in the industry. One involves replacing copper facilities with fiber; another concerns changing the transmission format from TDM to IP, irrespective of whether the facility is copper or fiber. Moreover, although some consumers and businesses have voluntarily chosen new services, some providers are suggesting there must be a forced migration of customers to new architectures so that traditional network resources – copper networks and circuit switches – may be decommissioned. These “transitions” raise serious issues for consumers, businesses, carriers, and public safety. The goal of this panel will be to educate attendees on:

- Replacement services needed to avoid disruption;
- The continuing need for interconnection;
- Particular requirements for a robust 911 network;
- The federal framework adopted at the FCC’s August agenda; and
- The continuing importance of the State role over interconnection agreements and universal service (recognizing the prevalence of “VoIP deregulation” legislation eliminating retail regulation of VoIP services in many States). Additionally, panelists will also address whether federal legislation is needed to achieve any of the transitions underway.

Moderator: *Hon. Ronald Brisé*, Florida

Participants:

Hon. Elliott Elam, South Carolina

Joe Gillan, Economist, Gillan Associates

Debbie Goldman, Telecommunications Policy Director, Communications Workers of America

Frank Simone, Vice President, Federal Regulatory Affairs, AT&T

Elin Swanson Katz, Consumer Counsel, Connecticut Office of Consumer Counsel

QUALCOMM®

Monday, November 9

3:30 PM - 4:45 PM

Concurrent Sessions A 3-4 - 4th Floor

3:30 PM

A3: Hang Together: 111d Multi-State Solutions

Salon 6

Now that the Environmental Protection Agency's (EPA's) Clean Power Plan Final Rule has been issued, it is time for States to think about their options. There has been much discussion about the benefits of using a trading approach to achieve compliance and the EPA included in the model rules examples of trading systems that it supports. But for States that have decided to use a trading approach, how will it actually work? This will be an interactive conversation among Senior EPA officials and trading program experts! Attendees will learn:

- How allowances/ERCs may be developed;
- What works best for States to meet individual goals in a system that is indivisible interstate;
- The common elements needed for States to work together;
- Available options within a trading approach (e.g., bilateral agreements, a market, or another mechanism);
- How a State's decision to trade affects neighboring States or regions; and,
- How decisions regarding distribution of proceeds from trading, or determining if trading is the most cost-effective strategy, will be determined.

Moderator: *Hon. Joshua Epel*, Colorado

Participants:

Joseph Goffman, Associate Assistant Administrator & Senior Counsel, OAR, USEPA

Doug Scott, Vice President, Strategic Initiatives, Great Plains Institute

Kelly Speakes-Backman, Senior Vice President, Policy & Research, Alliance to Save Energy

Robert A. Wyman, Jr., Latham & Watkins LLP

3:30 PM

A4: Hit the Road or the Rails: Transportation and State Regulation

Salon 7 & 8

Transportation is rarely in the regulatory limelight, but States oversee large portions of this sector, and safety and reliability issues are increasingly emerging, and intersections are emerging with the regulated electric, gas, and telecom utility sectors. Participants will learn about emerging issues affecting regulatory activity in the transportation sector like:

What safety and reliability issues are leading States taking on? How can States effectively apply their authority over reliability and safety with a diminished regulatory role in economic oversight and rate determination? Are there convergence issues as gas and electric vehicles see increasing market share, and Commissions are expected to approve supportive infrastructure? And if all of this is the responsibility of other entities and departments, are we talking? States come together to discuss this under explored area of State jurisdiction.

Moderator: *Hon. Ann Rendahl*, Washington

Participants:

Hon. Gladys Brown, Pennsylvania

Hon. Julie Fedorchak, North Dakota

Hon. Catherine Sandoval, California

Monday, November 9**3:30 PM - 4:45 PM****Concurrent Sessions A 5 - 4th Floor****3:30 PM****A5: Like a Good Neighbor - Regional Mutual Assistance****Salon 1 & 2**

Severe weather events such as Hurricane Katrina and Superstorm Sandy can cost the economy billions of dollars. Restoration of the grid can be hampered by long lead times required to design, build, and deliver critical replacement equipment. However, partnerships such as mutual assistance save utilities from having to always keep emergency crews on staff for low-frequency but-high impact events. Regional mutual assistance groups (RMAGs), which are a more coordinated form of mutual assistance on a regional basis, have been very effective in restoration efforts across the country, especially in recent years. During this session, attendees will gain an understanding of:

- What RMAGs are;
- How they are essential to major recovery efforts;
- The types of obstacles that exist when carrying out mutual aid;
- Types of resources that can be shared; and
- Programs that exist to facilitate more efficient sharing of resources.

Moderator: *Hon. Mary Anna Holden*, New Jersey

Participants:

Hon. Brandy Marty Marquez, Texas

Hon. Rick Mroz, New Jersey

Tony Hurley, Vice President – Operations, Jersey Central Power and Light

5:00 PM - 6:00 PM**Regional Meetings****5:00 PM - 6:00 PM****MACRUC Meeting (Invitation Only)****Room 303****5:00 PM - 6:00 PM****MARC Meeting (Invitation Only)****Room 302****5:00 PM - 6:00 PM****NECPUC Meeting (Invitation Only)****Room 305****5:00 PM - 6:00 PM****SEARUC Meeting (Invitation Only)****Room 301****5:00 PM - 6:00 PM****Western Meeting (Invitation Only)****Room 304**

NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Tuesday, November 10

7:30 AM - 9:00 AM

Continental Breakfast

4th Floor Foyer

9:00 AM - 10:00 AM

General Session Salon D - E - 3rd Floor

9:00 AM

Challenges Coast to Coast: Consumers, Convergence, and Change

Utility services are increasingly interdependent and NARUC is in a unique position to spearhead this effort. By focusing on resilience, sustainability, and affordability we can further unlock the collaborative potential for the benefit of consumers. This session will explore areas where State and federal regulators and industry can work together to address common challenges and examine how regulators can encourage, facilitate, and leverage the convergence taking place in the utility space. Representatives from industry, consumer advocacy, and regulators will examine this unique, cross-sector initiative.

Moderator: *Hon. Lisa Edgar*, NARUC President, Florida

Participants:

Hon. Tony Clark, FERC

Venita McCellon-Allen, President and COO, Southwestern Electric Power Company

Bob Nelson, NASUCA President, Montana

Susan Story, CEO, American Water

Michael Troiano, Vice President, Internet of Things, AT&T

10:00 AM - 10:15 AM

Networking Break

4th Floor Foyer



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FORTNIGHTLY

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Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Tuesday, November 10

10:15AM - 11:30 AM Concurrent Sessions B1 - 4th Floor

10:15 AM

B1: Will the FCC's Broadband CAF Ever Give Milk?

Salon 1 & 2

The status of the wireline transition:

The FCC is transitioning the Federal Universal Service Fund (USF) from supporting voice only narrowband to supporting broadband networks. In this process, the agency capped the high cost component of the fund and renamed the new broadband focused version the Connect America Fund (CAF). The FCC divided the CAF funding into categories – a mobility fund and a fund for remote and extremely high-cost areas (separate programs for large price cap and one for small rate-of-return carriers). But much is in flux. Separately, multiple FCC Commissioners and industry segments are working on their own alternative plans. Concerns have been raised that the CAF model may create winners and losers in the market, which could leave some communities unserved or underserved. In a Q&A roundtable, attendees will learn:

- About the current FCC CAF model and impacts to date;
- USF Reforms and ideas proposed and worked on by FCC Commissioners; as well as
- Additional reforms advocated by various industry segments.

Moderator: *Billy Jack Gregg*, Principal, Universal Consulting

Participants:

Hon. Chris Nelson, South Dakota

Robert DeBroux, Director, Public Policy & Fed Affairs, TDS Telecom

Allison Ellis, VP, Regulatory Affairs, Frontier Communications

Mary Henze, AVP, Federal Affairs, AT&T

Carol Matthey, Deputy Bureau Chief, Wireline, FCC



America's
Natural Gas
Alliance

Tuesday, November 10

10:15 AM - 11:30 AM

Concurrent Sessions B 2 --4th Floor

10:15 AM B2: WOTUS Waters of the United States Rule for Clean Water Act Programs Salon 7-8

Recently, the Environmental Protection Agency revised its definition of “waters of the United States” (WOTUS) for all Clean Water Act programs. Despite the agency’s claims to the contrary, the definitional changes contained in the proposed WOTUS rule would significantly expand federal control of land and water resources across the nation. This change could trigger substantial additional permitting and regulatory requirements. As currently drafted, the rule will dramatically limit the use of almost all bodies of water, creating a lengthy and costly permitting process for any approval. This session will be a point/counterpoint/Commissioner point format. Attendees will learn:

- The dramatic affect this ruling will have on regulation;
- How this change could hamper the provision of reliable and affordable water, gas, and electric services; and
- Potential changes that could mitigate any negative impact on the utility sector.

Moderator: *Hon. Robert Powelson*, Pennsylvania

Participants:

Hon. Randy Randall, South Carolina

Stephen Davis, Manager of Regulatory Compliance, Association of Illinois Electric Coop.

David Foster, Texas State Director, Clean Water Action

Scott Slesinger, Legislative Director, Natural Resources Defense Council (NRDC)

Jonathan Wood, Staff Attorney Environmental Regulations, Pacific Legal Foundation



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Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Tuesday, November 10

10:15 AM - 11:30 AM

Concurrent Sessions B 3 - 4th Floor

10:15 AM B3: Preserving Baseload Power through Clean Power Plan Compliance Salon 6

Although the intent of the Clean Power Plan is clear, regulators and industry have expressed concerns about preserving traditional baseload power when confronted with potential compliance. Come hear from industry experts about how States can craft compliance plans to create the best possible platform to ensure the viability of traditional baseload power. Attendees will hear discussion surrounding the following questions:

- What is the best compliance pathway outlined by the EPA for States who have concerns about preserving their baseload fuel mix?
- How must our wholesale markets adjust to ensure that baseload power does not soon become uneconomical?
- What are some of the non-BSER opportunities and technologies that are viable and cost-effective for States to utilize?
- Should States be complementing CPP compliance with their own initiatives to preserve baseload power?

Moderator: *Hon. Asim Haque*, Ohio

Participants:

Hon. Jim Gardner, Kentucky

Kathleen Barron, Senior VP Federal Regulatory Affairs and Wholesale Market Policy, Exelon

Mike Kormos, Executive Vice President and Chief Operations, PJM

Charles McConnell, Executive Director, Energy & Environment Initiative, Rice University

John McManus, Vice President Environmental, American Electric Power

Larry Monroe, Chief Environmental Officer, Southern Co.



U.S. DEPARTMENT OF
ENERGY
Office of Fossil Energy

Tuesday, November 10**10:15 AM - 11:30 AM****Concurrent Sessions B 4 - 4th Floor****10:15 AM****B4: All Under One Roof****Salon 3 & 4**

Every day, there seems to be “new and improved” models offered by utilities and others as alternative financing and net metering mechanisms for solar power. With so many strategies, it is becoming difficult to separate which mechanisms are and are not working for consumers, utilities, and regulators. This debate, with esteemed experts, will explore a variety of solar sub-topics and how competing ideas can come together under one roof.

Attendees will hear about:

- Timely information on appropriate regulatory policies that may influence utility sales and consumer ownership;
- Options for consumers who want solar but are unable to afford it, have roofs that don't accommodate, or live in multi-family housing;
- Proven market tools to fairly compensate solar without distorting the market;
- Straight facts about compensation, deployment, and expansion; and
- Rate design alternatives: including net metering, fixed charges, demand charges, and three-part rates; and weighing utility scale and distributed rooftop solar projects.

Moderator: *Hon. Donna Nelson*, Texas

Participants:

Dr. Charles Cicchetti, Founder, Pacific Economics Group

Nicole W. Sitaraman, Assistant People's Counsel, Energy Efficiency & Sustainability Section,
DC Office of the People's Counsel

Jeremy Susac, Director of Government Affairs for Lennar Corporation, Lennar Ventures, and
Sunstreet Energy Group

Thomas Coleman, Director, Reliability Assessments, North American Electric
Reliability Corporation



Tuesday, November 10

10:15 AM - 11:30 AM

Concurrent Sessions B 5 - 4th Floor

10:15 AM

**B5: This is Not A Test: Using Social Media for Crisis and Non-Crisis Communications
Salon 5**

Is your Commission actively represented on Twitter, Facebook, and Instagram? Do your communities access timely alerts outside of your website? Do you know how often to post to social media? Do your social media messages and campaigns recognize different audiences and their needs? If you answered 'No' to any of these questions, then "This is Not a Test" is for you. This session will focus on social media strategies for State Commissions to better inform and engage the public. Although key aspects of this session will include preparing for, responding to, and recovering from emergency events, social media is also a valuable engagement tool for non-emergencies as well. During this lively, interactive discussion, participants will learn:

- Best practices for ensuring that affected communities receive timely information during and after emergency events;
- How to select the best forms of social media to convey specific messages to specific types of users;
- How to develop a social media emergency plan;
- Guidelines suggested by FEMA-Homeland Security for using social media in emergencies;
- Methods to create and maintain community connections through social media; and
- How social media can positively influence your Commission's brand and purpose.

Moderator: *Hon. Travis Kavulla*, Montana

Participants:

Hon. Tim Echols, Georgia

Diane Hughes, Director, Social Media and Digital Experience, Marketing and Communication, Florida Power & Light

Eric McErlain, Director of Digital Strategy, NEI

11:30 AM - 11:45 AM

Networking Break

4th Floor Foyer

Tuesday, November 10

11:45 AM - 1:00 PM

Concurrent Sessions C1 - 4th Floor

11:45 AM

C1: Raters of the Lost Ark

Salon 7 & 8

In response to greater deployment of distributed generation, some utilities have requested rate adjustments, specifically seeking to increase fixed costs. Some consumer advocates are pushing back! Panelists will review the impact of rate design on energy efficiency and distributed generation. The discussion will examine the rationale behind increasing fixed cost, and insights on alternative rate designs and policies. Additionally, lessons learned from various States will be shared. Attendees will learn:

- What Commissioners need to know about the interaction between rate design and net metering and what issues to address if considering adjustments to both;
- What rate design principles should be included if a State wants to support developments of energy efficiency and distributed generation;
- The economic and equity arguments in support of or against fixed charges;
- Experiences to date with fixed charges for the residential sector;
- The relationship between-time-of-use rates and fixed charges and what potential impact on DG and EE deployment will time-of-use-rates rate designs have; and
- Recent analysis/academic research about rate design implications for DG and EE

Moderator: *Hon. Philip Jones*, Washington

Participants:

Hon. Nancy Lange, Minnesota

Michele Beck, Director, Utah Office of Consumer Services, and NASUCA Treasurer

Jim Lazar, Senior Advisor, Regulatory Assistance Project

David Owens, Executive Vice President, Edison Electric Institute

Samantha Williams, Attorney and Energy Policy Advocate, NRDC



NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Tuesday, November 10

11:45 AM - 1:00 PM

Concurrent Session C2 - 4th Floor

11:45 AM

C2: Squeezing the Grid

Salon 5

Society and individuals are always trying to do more with less and to do things better, faster, cheaper. This session will be fast paced and packed with information. Through a series of concise, brief 'TED' style talks attendees will learn:

- How to get more out of the electricity grid;
- Technologies that benefit the consumer;
- Technologies that have been deployed and those about to be deployed; and
- What technologies can help State Commissions support Clean Power Plan goals.

Moderator: *Hon. Julie Fedorchak*, North Dakota

Presenters:

Edison Almeida, CEO, eCurv

David E. Farnsworth, Manager of ND Power Generation & Engineering Services,
Great River Energy

Chris Hickman, President and CEO, Innovari

Nick Miller, General Electric Energy Management

Philip Mezey, President & CEO, Itron

Paul Steffes, CEO, Steffes Corporation

Evan Wilcox, PE, President BOLD Transmission, LLC

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Tuesday, November 10**11:45 AM - 1:15 PM****Concurrent Session C3 - 4th Floor****11:45 AM****C3: Challenges and Opportunities: Natural Gas Infrastructure****Salon 6**

Our nation's increased domestic production of natural gas has enabled the on-shoring of manufacturing jobs, a transition to a less carbon-intensive power generation fleet, and new options for transportation fuels. However, the new focus on the natural gas industry has also revealed a number of problems associated with aging transmission and distribution infrastructure and traditional ways of doing business. Recognizing the increasing importance of natural gas to our economy and environment and challenges that could undermine the industry, the Department of Energy and NARUC are in the process of forming a technical partnership to explore policies for supporting investments to modernize the nation's natural gas infrastructure. This session will be an interactive exploration of existing system weaknesses and the role that both Federal and State regulators and policymakers can play in reducing waste, decreasing environmental impacts, increasing gas delivery efficiency, and spurring further innovation in this sector. The goal of the session will be to reach a common understanding of current challenges and to develop a portfolio of possible regulatory options for further consideration. To that end, the session will cover the following topics:

- A description of the new Department of Energy and NARUC partnership;
- A review of FERC jurisdiction on natural gas pipeline cost recovery;
- PHSMA's role, including the status of the Reauthorization Act;
- Challenges and opportunities in tackling fugitive methane emissions;
- Challenges and opportunities in supporting innovations in pipeline materials and construction techniques, system visualization, and system security;
- Challenges and opportunities in balancing infrastructure investment needs with keeping rates affordable (The impact on investors, consumers, utilities, and States);
- Technologies that enable natural gas to power new products and serve new markets; and
- A review of current State regulatory policies and identification of best practices.

Moderators: *Hon. Diane Burman*, New York & Barry Smitherman, Partner, Vinson & Elkins

Participants:

Hon. Colette Honorable, FERC

Judi Greenwald, Deputy Director for Climate, Environment and Efficiency, DOE

Brad Leach, Energy Advisory Services

Pierce Norton, President & CEO of ONE Gas, Inc.

Joe Vance, Gas Trader, QEP Resources

NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

Tuesday, November 10

11:45 AM - 1:00 PM

Concurrent Session C4 - 4th Floor

11:45 AM

C4: EMPs: Electromagnetic Pulse Events

Salon 1 & 2

The U.S. electric grid is not easy to disrupt, with the exception of high-consequence events, including insider threats and EMP events. EMPs are pulses of electromagnetic radiation resulting from either a solar storm or a nuclear explosion occurring high above the earth's surface. EMP events occur with little or no warning and can have catastrophic effects, including outages on major portions of the grid, possibly lasting for months or longer, as well as economic costs. As the grid becomes increasingly smarter, we simultaneously increase our vulnerability to these events and or attacks. During this session, participants will learn:

- What EMPs are;
- What consequences they could have on our infrastructure if an event occurs;
- What NERC and other organizations are doing to prepare; and
- What can be done to mitigate these risks.

Moderator: *Hon. Carolene Mays*, Indiana

Participants:

Hon. Cheryl LaFleur, Commissioner, FERC

Chris Beck, Vice President for Policy and Strategic Initiatives, Electric Infrastructure Security (EIS) Council

Denis Bergeron, Director of the Energy Programs Division, Maine PUC

Dr. Randy Horton, Transmission Planning Manager, Southern Co.



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For registration questions or comments, contact Dawn Rivard,
Public Utilities Commission of Nevada, (702) 486-7214 or drivard@puc.nv.gov.

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Tuesday, November 10**11:45 AM - 1:00 PM****Concurrent Session C5 - 4th Floor****11:45 AM****C5: The Impact of IP-Transition on Electric, Gas, and Water Utilities****Salon 3 & 4**

The critical infrastructure industries (CII) of electric, gas, and water increasingly rely on communications networks to operate their networks efficiently, run supervisory control and data acquisition systems, detect outages and problems, and meet demand. Utilities and other CII need these communications systems to meet high standards for reliability, resiliency, and security to maintain the safe, reliable, and secure delivery of essential electric, gas, water, and oil services. However, the communications sector is evolving rapidly. Internet protocol (IP)-based services are slowly replacing time-division multiplexing (TDM) services and copper cables are being replaced by fiber. Although these new technologies are more resilient in many ways, they are more reliant on commercial power and when issues arise, the order of magnitude can be much bigger than before. Participants will:

- Understand the impact of the IP-transition impact on electric, gas, and water utilities' and other CII entities' operational safety and reliability;
- Learn if new IP services cannot meet the standards for resiliency, reliability, and security required by utilities and CII entities functional requirements, what will be the impact on these companies and their ability to provide essential utility services;
- Understand whether telecom carriers should be required to give CII entities significant notification of planned copper infrastructure and TDM retirements so they can plan adequately to avoid disruptions;
- Determine if utilities and CII entities must incur substantial costs to accommodate the IP transition and if so who should be responsible for the costs; and
- Understand whether the IP transition and associated costs may push utilities and CIIs to build their own networks and possible impacts on rates.

Moderator: *Hon. Betty Ann Kane*, Washington, D.C.

Participants:

Charles Davidson, Director, Advanced Communications Law & Policy Institute,
New York Law School

Louis Fiore, Chairman, Alarm Industry Communications Committee (AICC) of the Central
Station Alarm Association (CSAA)

Brett Kilbourne, Vice President and Deputy General Counsel, Utilities Telecom Council

Frank Simone, Vice President, Federal Regulatory Affairs, AT&T

Michael Quinn, Vice President & Chief Technology Officer, Oncor Electric Delivery

Rob Raffaele, Manager, IT Domain Architecture, American Water

1:00 PM - 2:15 PM**Annual Installation Luncheon****Salon D-E****Celebrate our incoming officers!** *Entertainment by Ravner Salinas.***2:30 PM - 4:30 PM****Board of Directors Meeting****Salon H - 3rd Floor**

Wednesday, November 11

7:30 AM - 9:00 AM

Continental Breakfast

4th Floor Foyer

9:00 AM - 10:15 AM

Concurrent Sessions D 1-2

4th Floor Ballrooms

9:00 AM

D1: Ethics: The "Government Employees Game Show" Reveals it All.

Salon 6

The Ethics Troupe will perform delightful skits that facilitate discussion on attorney-client privilege in the agency setting, the public release of information, ex parte communications, gift ban rules and social media concerns. Government employees across the board (e.g., Commissioners, staff attorneys and legal advisors), have special duties and responsibilities and via this "game show" format, numerous questions and ethical dilemmas related to these duties will come to the surface. Guided by an experienced Commissioner and teacher, we will discover that every action, every keystroke, every exchange could be the focus of the glaring eye of public attention and may constitute an unintended breach of the law.

Moderator: *Hon. Mark Christie*, Virginia

The NARUC Ethics Troupe:

Eve Moran, former ALJ, Illinois Commerce Committee

Cheryl Walker Davis, Director, Office of Special Assistants, Pennsylvania PUC

Thomas Capper, Office of Special Assistants, Pennsylvania PUC

9:00 AM

D2: The Cold Shoulder: How Can Regulators Become Integrated Into Threat Information Sharing?

Salon 6

Information sharing is key to infrastructure protection: connecting people with questions with the people with answers is the best way to stay ahead of the bad guys. When it comes to Commissions, challenges about transparency and open processes contribute to keeping many doors locked. Are security clearances the answer, or the problem? What do we need to do to get into the information-sharing loop? In this session, participants will:

- Learn where Commissions can go for accurate, reliable information;
- Explore the kinds of information sharing needed by Commissions; and
- Ways to become involved in federal and private-sector information programs.

Moderator: *Hon. Robert Scott*, New Hampshire

Participants:

Hon. Jay Scott Emler, Kansas

Hon. Swain Whitfield, South Carolina

Joe McClelland, Office of Energy Infrastructure Security, FERC

Adam Sedgewick, Senior Information Technology Policy Advisor, NIST

Bradford Willke, Supervisory Cybersecurity Advisor, Office of Cybersecurity and Communications, Department of Homeland Security

Challenges Coast to Coast
Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Wednesday, November 11

11:30 AM - 10:40 AM Closing Session - 4th Floor

10:30 AM The Straight Dope on Energy & the Marijuana Industry
(Don't laugh, it could be coming to your State soon!) Salon 6

10:30 - 10:40 AM Members Business Meeting: The Hon. Lisa Edgar of Florida

10:40 AM The Straight Dope on Energy & the Marijuana Industry
(Don't laugh, it could be coming to your State soon!)
With many jurisdictions legalizing marijuana or considering its legalization, how will existing and new cannabis industries affect the grid? Some have estimated that stolen electricity for illegal pot growth tops \$100 million annually in the U.S. Through legalization — including medical marijuana dispensaries — the economic impacts will rise considerably. New industries focused on marijuana production have specific lighting needs; use an abundance of water; and require an array of heaters, generators, and fans. Participants will learn:

- How utility companies are responding to this growing demand;
- What energy-efficient options are in place;
- The role regulators can play in marijuana policy discussions; and
- How to address home growers vs. large-scale commercial operations

Moderator: *Hon. Pam Witmer, Pennsylvania*
Participants:
Hon. Willie Phillips, District of Columbia
Alice Jackson, VP for Rates & Regulatory Affairs, Xcel
John C. Morris, Policy & Regulatory Affairs Director-West, CLEAResult

10:15 AM - 10:30 AM Networking Break 4th Floor Foyer

11:45 AM Adjournment of the NARUC 127th Annual Meeting

MJB & A

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Other innovators, such as Bill Gates and Jose Reyes, are also advancing nuclear energy options that are scalable and incorporate new safety approaches. These designs will power future generations and solve global challenges, such as water desalination.

Nuclear energy supplies nearly one-fifth of our electricity. In a recent poll, 72% of Americans said we should prepare now so new nuclear plants could be built in the next decade.



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Challenges Coast to Coast
Consumers, Convergence, and Change

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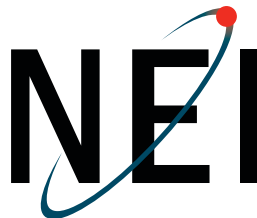
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Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Board of Directors

Subcommittee on Utility Marketplace Access

Sunday, November 8

9:00 AM - 11:45 AM

Salon 5

- 9:00 AM **Welcome and Opening Remarks** *Hon. Nikki Hall* - UMA Chairwoman, South Carolina
- 9:00 AM **Update on 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
- 9:00 AM **Local and Diverse Business Participation in the Southwest Louisiana Energy Sector**
The Department of Energy's Office of Minority Business and Economic Development will present a summary of lessons learned from their efforts to encourage supplier diversity within and to promote community benefits related to mega industrial projects in South West Louisiana.
Karen J. Atkinson - Deputy Director – U.S. DOE, Office of Minority Business and Economic Development
- 9:15 AM **Best Practices in Supplier Diversity**
When it comes to supplier diversity, corporate leaders are continuously evolving to get out of their traditional comfort zones to take advantage of the untapped or underutilized resources that are available to them so that consumers receive the best products and services at the lowest possible cost. In doing so, corporate leaders engage some of the nation's supplier diversity 'Best Practices' to ensure that they have employed the appropriate quality tools for doing so. Top performing utilities will discuss their 'Best Practices' used to maximize their company's performance capabilities in the area of supplier diversity.
Moderator: TBD
Panelists: *Joan Kerr*, Director – Supplier Diversity, Pacific Gas and Electric
Emma Maxey – Supplier Diversity Manager, Golden State Water Company
Jewel Smith - Supplier Diversity Manager, CenterPoint Energy
- 10:15 AM **Maximizing the Economic Impact of Supplier Diversity Through Capacity Building**
Richard Huebner, President of the Houston Minority Supplier Development Council for past 30 years, will present emerging trends and processes that are transforming supplier diversity as we have known it. Specific focus will be on the importance of capacity building of minority suppliers and the economic impact it creates for companies, employees, families, and communities.
Richard Huebner - President, Houston Minority Supplier Development Council
- 10:45 AM **Remembering the Service-Disabled Veteran-Owned Businesses**
An Update from Bob Mulz, Chairman of the Board for the Elite Service Disabled Veteran-Owned Business Network.
Bob Mulz, Chairman of the Board, Elite Service Disabled Veteran-Owned Business Network.
- 11:15 AM **Committee Business** Topics for Discussion at Winter Meeting 2016 in Washington, DC.
UMA Subcommittee

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Board of Directors (continued)

Subcommittee/Staff Subcommittee on Pipeline Safety

(Closed Meeting for Commissioners and Staff Only)

Sunday, November 8

9:00 AM - 5:00 PM

Room 409

Convergence Consortium

Sunday, November 8

1:00 PM - 3:00 PM

Salon 6

All attendees are welcome and encouraged to join the kick-off of NARUC's Consortium on Consumers and Convergence. This inaugural meeting will bring together Commissioners from across the country with other subject matter experts to examine key issues, challenges, and opportunities – for consumers, service providers, and public officials – through the convergence of traditional utility services in the energy, water, and advanced communications sectors. This session will feature presentations from leading subject-matter experts, who will brief the Consortium on recent developments, highlight emerging issues, and identify possible areas of inquiry. Attendees will learn from robust discussions, including:

- How telecommunications interact with all utilities, with smart meters, energy management systems, cell phones, and broadband;
- How to work together on issues of data quality, privacy, and security – physical as well as cyber; and
- Changes in the traditional utility model with new options for personal choice, distributed generation, and 24/7 technology.

Moderator: *Hon. Lisa Edgar*, Florida

Participants

Caitlin A. Callaghan, PhD/JD, Chemical Engineer, National Electricity Delivery Division Office of Electricity Delivery & Energy Reliability | U.S. Department of Energy

Rick Counihan, Head of Energy Regulatory and Government Affairs, Nest

Steve Crout, Government Affairs, Qualcomm

Jim Jenkins, VP Regulatory & Public Policy, American Water

Jackie McCarthy, CTIA

Michael Santorelli, Advanced Communications Law & Policy Institute at New York Law School

Washington Action

(Closed Meeting)

Sunday, November 8

3:00 PM - 5:00 PM

Room 408

Task Force on Environmental Regulation & Generation (closed meeting)

Sunday, November 8

3:00 PM - 5:00 PM

Room 301-302

Board of Directors Meeting

Monday, November 9

7:30 AM - 8:45 AM

Salon H - 3rd Floor

Staff Subcommittee on Law

Monday, November 9

9:00 AM - 5:00 PM

Room 408

Board of Directors Meeting

Tuesday, November 10

2:30 PM - 4:30 PM

Salon H - 3rd Floor

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Consumer Affairs

Staff Subcommittee on Consumer Affairs

Sunday, November 8, 2015

9:00 AM - 11:45 AM

Salon 1/ Salon 3

9:00 AM **Coalition to Keep Michigan Warm**

Monica Martinez, former Michigan Public Service Commissioner and founder of Ruben Strategy Group, LLC, will provide an overview of how Michigan's coalition—through partnerships between the public utility commission, other State agencies, non-profit organizations, and consumer groups—has enhanced the quality of life for vulnerable households by providing positive solutions to access utility services. This is especially important, as the consumer experience changes with the utility of the future.

9:15 AM **Helping Renters Keep the Lights On and Water Running: Third-Party Utility Notification System (TUNS)**

How do you help renters, who can be low-income, when their landlord doesn't pay the electric, water, and natural gas bills? Tenants who pay their rent on time are still at the mercy of their landlords to keep their utilities working. Learn how Enhanced Recovery Solutions, LLC combines sensitivity with solutions on issues facing utility companies with urban footprints. The ERS Third-Party Utility Notification System (TUNS) uses industry best practices to benefit the tenants and the utility.

Participants:

Dereck E. Hicks, Chief Executive Officer, Enhanced Recovery Solutions

Denise Garrett, President and Chief Operations Officer, Enhanced Recovery Solutions

9:45 AM **About that Customer Charge Initiative...**

Electric utilities nationwide are re-doing their cost allocation studies to include more costs in the mandatory fixed monthly customer charge that previously collected only metering and billing costs. They claim it's due to the drop in demand and/or the solar threat.

Environmental, social justice, and groups representing seniors have questioned the move and regulators have weighed in.

Bill Malcolm, Senior Legislative Representative-State Advocacy, AARP,

10:30 AM **The Future of Lifeline Assistance w/Telecommunications**

Given the proposed rule changes to the federal Lifeline Assistance program, what does the future hold for telecommunication companies, cable companies, State public service commissions and, most importantly, customers? Join the discussion on the effects of potential Lifeline rule changes regarding ETC designations and obligations, "opt-out" options, wireline vs wireless concerns, and the transition to include IP-based services.

Moderator: *Cynthia Muir*, Director, Office of Consumer Assistance & Outreach,
Florida Public Service Commission

Consumer Affairs (continued)

Staff Subcommittee on Consumer Affairs

Sunday, November 8, 2015

(Continued)

Salon 1/ Salon 3

Participants:

Lindsay DeRoche, Director, Competition Division, Massachusetts
Dept. of Telecom & Cable

Beth Fujimoto, Global Public Policy, External & Legislative Affairs, AT&T

Doug Garrett, Vice President State Regulatory Affairs, Cox Communications

Mark Rubin, Executive for Government Affairs, TracFone Wireless, Inc.

Barrett Sheridan, Pennsylvania Office of Consumer Advocate

3:15 PM

Hot Topic - Consumer Benefits of Voltage Optimization

Maria Seidler, Director, Alternative Energy Solutions, Policy & Grants, Dominion Voltage, Inc.

3:30 PM

Demand Charges

This panel will explore the growth in demand and other charges on consumer bills.

The panel will discuss the different charges that are emerging, what they are being used for, how they are being implemented, as well as their impact on consumers.

Moderator: *Hon. Brad Johnson*, Montana

Panelists:

David Springe, Counsel, Citizens' Utility Ratepayer Board of Kansas

Ahmad Faruqi, Principal, The Brattle Group

Barbara Lockwood, General Manager of Regulatory Policy, APS

4:30 PM

Making Sense of Polling

With so many “warring” and seemingly contradictory polls out there—not just presidential/political but policy as well—how is a policymaker or the average American to decide which information is right? This panel will demystify some major questions about polls, including:

- Why do some polls seem to contradict each other?
- Why do some polls report results wildly different from what common sense would suggest?
- How can you get voters who really feel one way to answer a poll question very differently?
- What are the “tests” of a valid poll?
- What should a Commission look for/insist on?

Participants:

John Ashford, Chairman, The Hawthorn Group

Michael Meyers, President, TargetPoint Consulting

Challenges Coast to Coast
Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Critical Infrastructure

Staff Subcommittee on Critical Infrastructure (Closed Meeting)

Sunday, November 8, 2015

1:00 PM - 3:00 PM

Room 307

Committee & Staff Subcommittee on Critical Infrastructure

Sunday, November 8, 2015

3:00 PM - 5:00 PM

Salon 8

3:00 PM

Welcome & Introductions

Committee on Critical Infrastructure

Hon. Carolene Mays-Medley, Indiana

Staff Subcommittee on Critical Infrastructure

Thom Pearce, Ohio

3:15 PM

Government and Industry Updates

A series of briefings by invited NARUC speakers, federal government officials, and industry partners on topics related to critical infrastructure protection, physical & cyber security, resiliency, reliability, interdependencies, and risk management.

4:30 PM

Business Meeting

- Resolutions

- Other Business

5:00 PM

Meeting Concludes

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Electricity

Subcommittee on Clean Coal and Carbon Management

Sunday, November 8, 2015

9:00 AM - 11:45 AM

Salon 7

9:00 AM

Welcome and Introductions

Hon. Brian Kalk, Subcommittee Chair, Subcommittee on Clean Coal and Carbon Management, North Dakota

Hon. Asim Haque, Subcommittee Vice Chair, Subcommittee on Clean Coal and Carbon Management, Ohio

Cathy Cole, Staff Subcommittee Chair

9:15 AM

Leakage: The Poorly Understood Stepchild of the Clean Power Plan

The EPA is concerned that power production might shift from existing generating units that are subject to 111(d) of the Clean Air Act, to new fossil-fired generators that are subject to 111(b) of the Clean Air Act. A mass-based State plan might provide incentives to shift generation from existing units to new fossil fired units, thus increasing, rather than decreasing, CO₂ emissions. EPA calls this problem "leakage." States must address leakage if they adopt a compliance plan that uses a mass-based emission standard. One option is for a State (via State law) to adopt a CO₂ emission budget that covers both existing and new generators. To this end, the Clean Power Plan provides each State a "complementary" emission budget for new sources.

This panel will address questions such as:

- What options do States have for addressing leakage?
- How do these options compare to what is now in place for the Regional Greenhouse Gas Initiative?
- California?
- What are the implications of EPA's requirements for wholesale electricity markets? For reliability?
- How did EPA establish the complementary emission budgets, and are they large enough to accommodate electricity use in States that have growing populations?
- How do allowance allocations impact the leakage issue?
- What implications do EPA's leakage requirements have for State commissions that have integrated resource planning responsibilities?

Moderator: *Hon. Brian Kalk*, North Dakota

Panelists:

Paul Allen, MJ Bradley & Associates

Muhsin Kasheef Abdur-Rahman, P.E. , Senior Market Strategist, PJM

Marissa Gillett, Sr. Advisor to the Chair, Maryland Public Service Commission

Emily Fisher, EEI's Deputy General Counsel, Energy & Climate

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Electricity (continued)

- 10:15 AM **Florida Carbon Capture Project Update & Prospective CO2 Utilization or Sequestration**
Byron T. Burrows, P.E., BCEE, Manager of Air Programs, TECO Energy
- 10:30 AM **Keeping Coal in the Mix**
Dan Lee, Senior Vice President Fossil and Hydro Generation, AEP
- 10:45 AM **Policy Considerations for Clean Coal and Carbon Utilization**
Doug Scott, Great Plains Institute
- 11:00 AM **Business Meeting**

Staff Subcommittees on Electric Reliability and Electricity

Sunday, November 8, 2015

10:30 AM - 11:45 AM

Salon 8

- 10:30 AM** Maintaining Grid Reliability While Change and More Change Keeps Coming: Why policymakers should care about the evolving grid; and What exactly are those 'reliability' impacts that States are supposed to consider when crafting CPP compliance plans!?!

NERC's Essential Reliability Task Force: The electric grid is experiencing dramatic changes to the resource mix and at an unprecedented rate. In certain parts of the United States such as California and Texas, where the penetration of renewable energy resources continues to increase and approaches 30%, stability issues occur regularly as the grid struggles to respond to rapid changes in variable energy output during peak hours. In 2014, NERC established the Essential Reliability Services Task Force (ERSTF) to consider these impacts to the grid and identify/develop new metrics for measuring indicators of grid stability. The work is nearly completed and the task force recently published the findings in a non-technical format designed for policymakers. Todd Lucas, General Manager of Bulk Power Operations for Southern Company and Chair of the ERSTF, will give a primer on what essential reliability services are and why policymakers should care.

ERCOT's new Ancillary Services Market: One interconnection's response to the evolving grid. From a grid operations standpoint, ERCOT's relatively small footprint and increasing percentage of variable energy resources, often thrusts it to the forefront in dealing with emerging grid stability issues. The two larger interconnections—East and West—have the benefit of watching ERCOT, to see what the future may hold for them in the next decade. ERCOT has responded to the need for more reliability by redefining their ancillary services. *Dan Woodfin*, Director of System Operations in ERCOT, will be presenting an overview of ERCOT's work on defining ancillary service for the future.

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Electricity (continued)

Staff Subcommittees on Electric Reliability and Electricity

Sunday, November 8, 2015

(Continued)

Salon 8

Exactly what 'reliability' impacts are States supposed to consider when crafting CPP compliance plans? The Clean Power Plan will further evolve the resource mix, bringing more renewable energy and shifting generation from coal-fueled to natural gas-fueled. One of the EPA requirements for State CPP compliance plans is a demonstration that a State has considered reliability impacts in developing their plan. How does a State do this? NERC plans to publish a document in December with suggestions/ideas for potential reliability impacts that States could consider when developing compliance plans. NERC's Tom Coleman, Director of Reliability Assessments, will provide a preview of NERC's thoughts.

Moderator: *Pat Poli, Chair*, NARUC Chair Staff Subcommittee on Electric Reliability; and *Kim Jones*, NARUC Chair Staff Subcommittee on Electricity

Participants:

Todd Lucas, GM Bulk Power Operations, Southern Co. and Chair ERSTF, NERC

Dan Woodfin, Director of System Operations, ERCOT

Tom Coleman, Director of Reliability Assessments, NERC

1:00 PM **The Outlook for Renewable Energy Under the Clean Power Plan**

Joint Session with Staff Subcommittees on Energy Resources and the Environment, Electricity and Electric Reliability

Subcommittee and Staff Subcommittee on Nuclear Issues

Sunday, November 8, 2015

10:30 AM - 11:45 AM

Room 307

10:30 AM **Nuclear Waste: Permanent and Consolidated Interim Storage**

Join the Subcommittee and Staff Subcommittee for presentations and discussion of nuclear waste storage issues, including both the basics and updates.

Moderators: *Hon. Ann McCabe*, Illinois & *James Spearman*, South Carolina

Confirmed Participants:

Everett Redmond II, Ph.D., Senior Director, Fuel Cycle and Technology Policy,
Nuclear Energy Institute (NEI)

Betsy Madru, Vice President of Government Affairs, Waste Control Specialists

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Electricity (continued)

Committee on Electricity

Monday, November 9, 2015

9:00 AM - 11:45 AM

Salon 5

9:00 AM **Texas and Beyond: The Challenges of Integrating Additional Renewable Energy Capacity**
Joint Session of Committees on Electricity and Energy Resources & Environment

The EPA's 111(d) rulemaking makes it likely that many States will add more renewables to comply with the rule and to provide additional allowances to be used for trading. Renewable resources provide carbon-free energy and with no associated fuel costs can be a source of low cost energy. But renewable resources are variable and have limited value in meeting system peak demands. How will States provide reliable electricity at reasonable rates in light of the anticipated increase in renewable generation? What investments and costs are required with expanded renewable energy? What are the impacts to the grid as the generation mix evolves to include more natural gas and renewable energy generation and less traditional baseload generation? How is grid system reliability measured? Are there new technologies that can be paired with renewable resources to support system reliability? Texas has more installed wind capacity than any other State and many years of experience integrating renewable resources. As a case study, this panel will include a discussion of the findings of the NERC Essential Reliability Services Taskforce (ERSTF), which developed new metrics, for identifying grid instability, and a review of data from ERCOT, including a comparison of wind capacity, peak demand, and the amount of wind available to meet peak demand. The panel will also explore how other systems have managed the integration of renewable resources. For example, MISO relies on improved wind forecasting tools and new tariffs to manage wind variability and maximize the deployment of the low-cost energy.

Moderators: *Hon. Donna Nelson*, Texas and *Hon. Nancy Lange*, Minnesota

Panelists:

David Boyd, VP Government and Regulatory Affairs, MISO

Aakash Chandarana, VP of Rates and Regulatory Affairs, Xcel Energy

Warran Lasher, Director, System Planning, ERCOT

Todd Lucas, General Manager, Bulk Power Operations, Southern Company

Michael Nasi, Partner, Environmental & Legislative Practice Group

10:30 AM **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. Ann McCabe, Subcommittee on Nuclear Issues/Waste Disposal Chair, Illinois

Hon. Brian Kalk, Subcommittee on Clean Coal and Carbon Management Chair, North Dakota

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Electricity (continued)

Committee on Electricity

Monday, November 9, 2015

(Continued)

Salon 5

Oral Reports

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

Jennifer Murphy, Assistant General Counsel, NARUC, Regulatory Update

Barbara Bauman Tyran, Director, Washington & State Relations, Electric Power Research Institute

Thomas Coleman, Director, Reliability Assessments, North American
Electric Reliability Corporation

Dr. Rajnish Barua, National Regulatory Research Institute

Resolutions

OFFICE OF FOSSIL ENERGY LOCATIONS:

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U.S. DEPARTMENT OF ENERGY

Office of Fossil Energy

DOE's Office of Fossil Energy consists of ~1,000 scientists, engineers, technicians and administrative staff located in many states. The Office of Fossil Energy is responsible for several high-priority research, development, and demonstration initiatives including implementation of the \$2 billion, 10-year Clean Coal Power Initiative to develop a new generation of environmentally sound clean coal technologies, and the nation's Strategic Petroleum Reserve and Northeast Home Heating Oil Reserve, both key emergency response tools available to the President to protect Americans from energy supply disruptions.

The Office of Fossil Energy is very active in its support and outreach to the states, and is eager to work with states to help them meet their energy needs.

Energy Resources and the Environment

Staff Subcommittee on Energy Resources and the Environment

Sunday, November 8, 2015

1:00 PM - 2:45 PM

Salon 8

1:00 PM The Outlook for Renewable Energy Under the Clean Power Plan

Joint Session of Staff Subcommittees on Energy Resources and the Environment, Electricity, and Electric Reliability

1. What role does renewable energy play in the EPA's Clean Power Plan regulations? To set the stage for discussion, an EPA representative will provide a brief explanation of how renewable energy contributes to the EPA's; best system of emissions reduction.

Participant: EPA Representative TBA

2. What implications do the three Clean Power Plan compliance strategies pose for State renewable energy policies and resource planning processes? These speakers will explain the three main compliance strategies and how renewable energy would fit into those strategies, and then share their thoughts about the implications for distributed generation, net-metering, resource planning, and other regulatory policies where State Commissions historically have played a lead role.

Participants:

Sarah Adair, Senior Policy Advisor, Nicholas Institute for Environmental Policy Solutions, Duke University

Doug Scott, Vice President Strategic Initiatives, Great Plains Institute

Committee on Energy Resources and the Environment

Monday, November 9, 2015

9:00 AM - 11:45 AM

Salon 8 / Salon 5

9:00 AM Texas and Beyond: The Challenges of Integrating Additional Renewable Energy Capacity

Joint Session of Committees Electricity and Energy Resources & Environment

The EPA's 111(d) rulemaking makes it likely that many States will add more renewables to comply with the rule and to provide additional allowances to be used for trading. Renewable resources provide carbon-free energy and with no associated fuel costs can be a source of low cost energy. But renewable resources are variable and have limited value in meeting system peak demands. How will States provide reliable electricity at reasonable rates in light of the anticipated increase in renewable generation? What investments and costs are required with expanded renewable energy? What are the impacts to the grid as the generation mix evolves to include more natural gas and renewable energy generation and less traditional baseload generation? How is grid system reliability measured? Are there new technologies that can be paired with renewable resources to support system reliability?

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Energy Resources and the Environment

Committee on Energy Resources and the Environment

Monday, November 9, 2015

(Continued)

Salon 8 / Salon 5

Texas has more installed wind capacity than any other state and many years of experience integrating renewable resources. As a case study, this panel will include a discussion of the findings of the NERC Essential Reliability Services Taskforce (ERSTF), which developed new metrics for identifying grid instability, and a review of data from ERCOT, including a comparison of wind capacity, peak demand, and the amount of wind available to meet peak demand.

The panel will also explore how other systems have managed the integration of renewable resources. For example, MISO relies on improved wind forecasting tools and new tariffs to manage wind variability and maximize the deployment of the low cost energy.

Moderators: *Hon. Donna Nelson*, Texas and *Hon. Nancy Lange*, Minnesota

Panelists:

David Boyd, VP Government and Regulatory Affairs, MISO

Aakash Chandarana, VP of Rates and Regulatory Affairs, Xcel Energy

Warran Lasher, Director, System Planning, ERCOT

Todd Lucas, General Manager, Bulk Power Operations, Southern Company

Michael Nasi, Partner, Environmental & Legislative Practice Group

10:30 AM

Business Meeting

Welcome and Introductions

Hon. James Gardner, Chair, Kentucky Public Service Commission

Hon. Nancy Lange, Co-Vice Chair, Minnesota Public Utilities Commission

Hon. Donna Nelson, Co-Vice Chair, Public Utility Commission of Texas

Reports

Washington Report, *Chris Mele*, *Jennifer Murphy*, NARUC

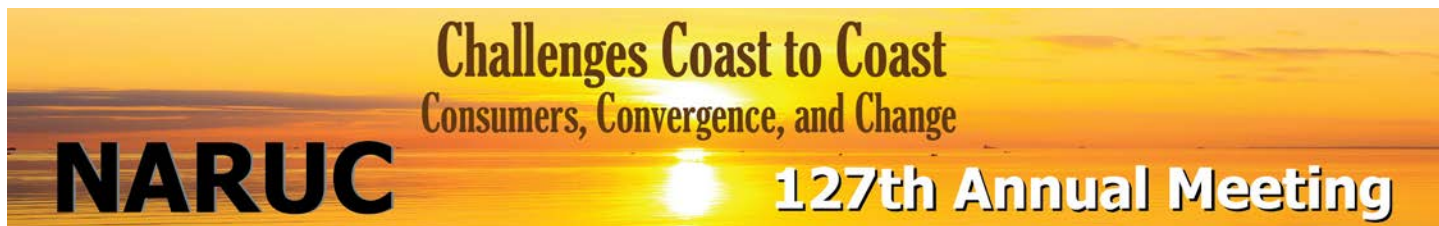
Grants and Research, *Miles Keogh*, NARUC

Barbara Tyran, EPRI

Tom Stanton, NRRI

Ron Edelstein, GTI

Resolutions



Gas

Subcommittee/Staff Subcommittee on Pipeline Safety (Closed Meeting)

(For Commissioners and Staff Only)

Sunday, November 8, 2015

9:00 AM - 5:00 PM

Room 409

Staff Subcommittee on Gas

Sunday, November 8, 2015

1:00 PM - 5:00 PM

Salon 5

1:15 PM R&D from Public Utilities; Should More be Done?

Ken Costello, of NRRI will discuss the findings of his recent research project on whether LDC-sponsored R&D is adequate. What are the implications of the current State and the benefits that can be obtained by increased R&D?

Presenter: *Ken Costello*, Principal Researcher, NRRI

2:15 PM Utility R&D as a Public Good

The presentation will examine the role of utility R&D in developing advanced technologies for gas consumers and the gas industry, and whether or not this R&D is a private or a public good.

Presenter: *Ron Edelstein*, Director Regulatory & Government Relations, GTI

3:00 PM Cheniere and the LNG Market -- sponsored by NARUC's LNG Working Group

Cheniere Energy, with two LNG export terminals under construction and two proposed terminals, is in line to become the first U.S. exporter of LNG. A representative from Cheniere will provide us with an update on Cheniere's efforts and progress, as well as the international market for LNG.

Presenter: *Patricia Outrim*, VP Governmental and Regulatory Affairs, Cheniere

3:45 PM American Gas Foundation Study on Pipeline Safety

Over the past 200 years, the natural gas industry has grown from a handful of local lines serving a few communities to a nationwide network of gas gathering, transmission, and distribution pipelines that deliver this domestic fuel to every sector of the U.S. economy. America's gas pipeline network is safer and more reliable today than it has been at any other point in its history, largely as a result of technological advances, improvements in industry best practices, voluntary actions taken beyond regulations, and more effective regulatory programs.

This session will feature a review of some of those major advancements.

Presenter: *Cheryl Campbell*, Senior Vice President, XCel Energy

4:30 PM CCST/Flashshield Pipe

Corrugated Stainless Steel Tubing (CSST) and Flashshield piping are alternatives to the black iron pipe used extensively for piping natural gas to furnaces and water heaters.

The discussion will focus on the applications and benefits of these alternatives.

Presenter: *Chris Swonger*, Senior Vice President Global Government Relations, Smiths

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Gas (continued)

Committee on Gas

Monday, November 9, 2015

9:00 AM - 11:45 AM

Salon 6

9:00 AM

Check the Rearview Mirror then Proceed with Caution: The importance of knowing what is behind you before moving forward.

Come listen to expert panelists as they examine the evolution of the competitive markets and what the future might hold. Panelists will answer such questions as:

- What specific forces led to the inception of the competitive market?
- How has competition and new technologies led to change and how have market participants navigated those changes?

Moderator, *Chairman Stan Wise*, Georgia

Panelists:

Mark Caudill, Attorney at Law

Kevin Greiner, Gas South (invited)

Others TBD

10:30 AM

Natural Gas - Doing it Right

Colorado enacted model rules in 2014 that require oil and gas companies to find and fix methane leaks, as well as to install technology that captures 95 percent of emissions of both methane and volatile organic compounds (VOCs). Although other States have imposed limits on VOCs due to air quality concerns, Colorado has taken a lead addressing methane escaping from oil and gas production. Ohio and Wyoming are two other States that have incorporated practices into their regulatory frameworks.

This panel will explain the key elements of Colorado's "Regulation 7" as well as the interaction and final agreement among very diverse stakeholders (including oil and gas producers, the Colorado Oil and Gas Conservation Commission, citizens, and environmental organizations). As States deliberate over the EPA's "methane emissions rule," panelists will present and discuss diverse approaches that incorporate innovative thinking and technology-enabled solutions, including:

- Mobile technology that can capture methane at oil and natural gas sites;
- Electrification of pump jacks that reduce the use of diesel engine emissions at well sites;
- And more.

Moderator: *Hon. Glenn Vaad*, Colorado

Panelists:

Jim Martin, Senior Counsel at Beatty & Wozniak, P.C; former Director,
EPA Region 8; former Executive Director, Colorado Department of
Health & Environment

John Wagner, Managing Attorney, American Petroleum Institute

Dr. Zubrin, CEO, Pioneer Energy

NARUC

Challenges Coast to Coast Consumers, Convergence, and Change

127th Annual Meeting

International Relations

Committee on International Relations

Sunday, November 8, 2015

3:00 PM - 5:00 PM

Salon 7

3:00 PM

Water on the River: Expanding Access to Potable Water in the Rio Grande Valley

Although the Rio Grande River divides Texas from Mexico, communities on either side of the border often face similar challenges. Among those is the difficulty in providing safe and reliable drinking water to rural areas along both banks of the river, many of which are isolated and economically disadvantaged. This panel will discuss the efforts being made to assist these underserved communities and the ways in which those efforts are spanning the border.

Panelists:

Geronimo Gutierrez, North American Development Bank

Steve Niemeyer, Director, Office of Border Affairs, Texas Commission on
Environmental Quality

Carlos Rubinstein, Member (retired), Texas Water Development Board

4:00 PM

Energy in China

The U.S. Department of Energy has an active partnership with China to discuss energy policy and development issues. In recent months, a number of American utility regulators have participated in exchanges in China. This panel will provide an update on the DOE program and a NARUC perspective.

Moderator: *Hon. Anne Hoskins*, Maryland

Panelists:

Joe Giove III, Office of Fossil Energy, USDOE

Hon. Travis Kavulla, Montana

Hon. Kara Brighton, Wyoming

4:45 PM

Business Meeting

4:45 -

Honorary Resolutions

4:55 -

Approval of Minutes



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MAKE A DIFFERENCE WITH NARUC

NARUC is working in emerging economies to advance energy regulation and improve people's lives. Regulators from the U.S. and around the world collaborate with NARUC to help solve some of the most pressing problems in energy today.

We need your help to continue this vital mission. NARUC staff has a wealth of experience facilitating international interactions, allowing you to focus on this fulfilling work. Opportunities are available to travel with NARUC to partner countries or share expertise remotely from the U.S. Learn how you can make a difference today.

Contact International Programs Director Erin Hammel at ehammel@naruc.org

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Telecommunications

Staff Subcommittee on Telecommunications

Sunday, November 8, 2015

9:00 AM - 5:00 PM

Salon 8

9:00 AM

Reports

706 Conference - *Bill Johnston, California*

NRRI - *Sherry Lichtenberg*

NANC - *Cary Hinton, District of Columbia*

9:45 AM

FCC Reports

Sharon Lee, Deputy Division Chief, Telecommunications Consumers

Division-Enforcement Bureau

Nicole McGinnis, Associate Bureau Chief, Public Safety & Homeland Security Bureau

10:30 AM

The Future of Lifeline Assistance w/Consumer Affairs

Given the proposed rule changes to the federal Lifeline Assistance program, what does the future hold for telecommunication companies, cable companies, State public service commissions, and, most importantly, customers? Join the discussion on the effects of potential Lifeline rule changes regarding ETC designations and obligations, "opt-out" options, wireline vs. wireless concerns, and the transition to include IP-based service.

Moderator: *Cynthia Muir*, Director, Office of Consumer Assistance & Outreach,
Florida Public Service Commission

Panelists: *Lindsay DeRoche*, Director, Competition Division, Massachusetts Dept. of
Telecom & Cable

Beth Fujimoto, Global Public Policy, External & Legislative Affairs, AT&T

Doug Garrett, Vice President State Regulatory Affairs, Cox Communications

Mark Rubin, Executive for Government Affairs, TracFone Wireless, Inc.

Barrett Sheridan, Pennsylvania Office of the Consumer Advocate

1:15 PM

CAF II: What's Next?

The panelists will address the issues and opportunities arising from the FCC's CAF II offer of support as part of their broadband deployment efforts. Most carriers have accepted the offer, although a few have declined. The panel will address issues facing carriers who accepted the support as well as issues the in the upcoming auction for those census block locations where the carrier declined the CAF II support. The panel will also address how CAF II will interact with competition, public education, and awareness about the broadband available from this effort, and the States' role going forward.

Moderator: *Joe Witmer*, Pennsylvania

Panelists: *David C. Bergmann*, Counsel, NASUCA

Steven C. Crosby, Senior Vice President, Government & Regulatory Affairs &
Public Relations, Frontier Communications

Mary L. Henze, AVP-Federal Regulatory Affairs, AT&T - External Affairs

John F. Jones, Senior Vice President, Policy & Government Relations, CenturyLink

Challenges Coast to Coast

Consumers, Convergence, and Change

NARUC

127th Annual Meeting

Telecommunications (Continued)

Staff Subcommittee on Telecommunications

Sunday, November 8, 2015

(Continued)

Salon 8

2:45 PM

Next Generation 911 (NG9-1-1) - Key Issues & Impact to States - Why You Care!

In the 2015 NARUC Summer Committee Meetings, attendees learned about the technical journey required to transition from a legacy E9-1-1 to a NG9-1-1 environment. A successful deployment and operation of NG9-1-1 will take everyone's support to achieve. So it's time to get on board understanding where stakeholders in the 9-1-1 ecosystem are in implementing NG9-1-1 and the key technical, policy, governance, and funding issues they are facing. In this session, a brief overview will be provided on the proceedings underway to address NG9-1-1 implementation and related 9-1-1 issues. Each panel participant will identify the top 1-3 issues that challenge successful NG9-1-1 deployment and share the best solutions to address the challenges, including the optimal role of and assistance needed from the States.

Moderator: *Lynn Notarianni*, Colorado

Panelists:

Angel Arocho, Senior Director, Operations Compliance, Comcast

Benjamin Aron, Director, State Regulatory Affairs, CTIA-The Wireless Association

Mary Boyd, Vice President, External Affairs, Intrado

Tim Kunkleman, Director Public Policy, CenturyLink

Kelli Merriweather, Executive Director, Texas Commission on State Emergency

Communications

4:00 PM

Final Resolution Discussion

5:00 PM

Adjourn Subcommittee Meeting

TeAM Meeting (Closed Meeting)

Sunday, November 08, 2015

10:30 AM - 12:30 PM

Room 301 - 302



Telecommunications

Committee on Telecommunications

Monday, November 9, 2015

9:00 AM - 11:45 AM

Salon 3-4

9:00 AM

Next Gen 911: Will it Survive the IP Transition, and How do We Fund It?

The Next Generation (NG) 911 system is slowly being implemented at hundreds of public safety answering points (PSAPs) and certain States around the country, but the transition is slow and bumpy. New technologies, such as over-the-top VOIP services and pre-paid wireless services, are outstripping the capability of current 911 funding mechanisms. Meanwhile, the PSAPs and States are having to maintain and operate dual 911 systems — the legacy TDM system and the new Internet Protocol-based system that deploys ESINets. FCC asked a diverse and broad task force, named the Task Force on Optimal PSAP Architecture, or TFOPA, to examine the complex issues involved in this transition and report back to the FCC on a fast timetable. The Task Force is scheduled to finalize its report by November 5th and report to the FCC. Three working groups were established, namely: Cybersecurity; the Optimal PSAP Architecture; and Funding and Resource Allocation (chaired by Com. Phil Jones). This panel will include several of the key task force members on TFOPA, and will address the myriad issues involved in the transition to NG911.

Moderator: *Hon. Phil Jones*, Washington

Panelists:

Admiral David Simpson (Rear Admiral), Bureau Chief, Public Safety and Homeland Security, FCC

Jim Goerke, CEO, Texas 911 Alliance

Mary Boyd, Vice President, External Affairs, Intrado

Joseph Benkert, Attorney, Boulder Regional Emergency Telephone Services Authority (BRETSA), Colorado

Thomas Jankowski, Director of Public Policy, AT&T

10:30 AM

Committee on Telecommunications Business Meeting

Hon. Chris Nelson, South Dakota, Chair, NARUC Committee on Telecommunications

Hon. Paul Kjellander, Idaho, Co-Vice Chair, NARUC Committee on Telecommunications

Hon. Catherine Sandoval, California, Co-Vice Chair, NARUC Committee on Telecommunications

Water

Committee on Water

Monday, November 09, 2015

9:00 AM - 11:45 AM

Salon 7

9:00 AM **Leveraging Technology for Customer Engagement**

This panel will address the needs and benefits of building the customer experience and leveraging data analytics for utility operations. The panel will explore the need for a better understanding and deeper relationship between water utility and customer. This discussion will focus on targeted communications including real time notifications, tools for improving customer service, increasing digital penetration - for customer communications and increasing rates of online bill pay. The panel will also discuss how to change customer behavior, the role of technology in conservation and empowering the customer to control use and spend. An overarching theme of the panel will be how technology plays a role in educating on the value of water and building the underlying customer experience.

Moderator:

Hon. Art Graham, Florida

Participants:

Andrew Ulmer, Senior Director of Sales, WaterSmart Software

Brian Bruce, President, New York American Water

10:30 AM **Advancements in Leak Detection and Pipeline Condition Assessment**

The integrity of water utility infrastructure is critical in delivering safe and reliable service to customers. Key aspects in maintaining the ability to deliver safe and reliable service to customers involves detection and reduction leaks and assessment of pipeline conditions. Technological advancements and innovative practices are being employed to address these issues. The panel will discuss the technology involved, as well as real-life experiences and successes.

Moderator:

Hon. Mary-Anna Holden, New Jersey

Participants:

John Marciszewski, Director of Business Development, Echologics LLC

Donald Shields, Vice President and Director of Engineering, New Jersey American Water

11:15 AM **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 Summer Meetings. The Board of Programs for the Financial Research Institute at the University of Missouri will provide a report on its efforts to facilitate innovation, understanding, and education. 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 States.

NARUC

Challenges Coast to Coast
Consumers, Convergence, and Change

127th Annual Meeting

Special Meetings

NRRI Colloquium

Tuesday, November 10, 2015

2:30 PM - 5:00 PM

Salon 5

- 2:30 PM** **Product Substitution, Functional Equivalency, and the Technology Transition**
Sherry Lichtenberg, Ph.D., NRRI Principal Researcher - Telecommunications
- 3:00 PM** **Research and Development by Public Utilities: Should More Be Done?**
Ken Costello, NRRI Principal Researcher - Energy & Environment
- 3:30 PM** **Protecting Customers: Data Privacy Across Utility Sectors**
Daniel Phelan, NRRI Research Associate
- 4:00 PM** **A Survey of Billing Systems and Consumer Communications (Preliminary Results)**
Kathryn Kline, NRRI Research Assistant
Tom Stanton, NRRI Principal Researcher - Energy & Environment
- 4:15 PM** **Rate Design for Distributed Generation: Understanding the Fast-Changing Landscape**
Tom Stanton, NRRI Principal Researcher - Energy & Environment
- 4:45 PM** **Feedback and Comments from Attendees**
Moderator: *Raj Barua, Ph.D., NRRI Executive Director*



MACRUC 21st Annual Education Conference

June 19 - June 22, 2016

Colonial Williamsburg, VA

Registration will open in April 2016.

For more information contact: Michelle Malloy (mamalloy@naruc.org)

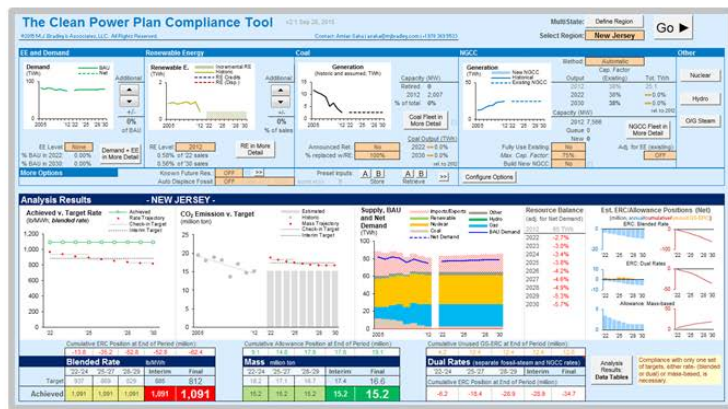
State-Approved CLE

Be sure to get a certificate of attendance while at the Annual Meeting. Certificates will be available at the NARUC Registration desk beginning Tuesday, November 10 at 1:00 pm. Please pick up certificates by 12:00 pm on Wednesday, November 11. Certificates of attendance are not distributed after the meeting. It is the responsibility of the individual to collect any handouts required by their State accreditation board. For questions after the meeting, contact Lennie Noblezada at (202) 898-2202 or lnoblez@naruc.org.

When offering CLE credit, NARUC abides by the rules and regulations of all applicable professional accrediting boards and agencies. NARUC will not be able to provide CLE credit for attendees who leave the session before the program ends. To attain CLE compliance, ensure the integrity of our CLE processes, and preserve the high value of our CLE offerings for all attendees, please attend and stay until the sessions ends.

Pennsylvania CLE Board Reminder: Introductory remarks, keynote addresses, business meetings, breaks, receptions, etc., are not included in the computation of credit.

State	General Hours	Ethics Hours
Alabama	6.70	1.30
Arkansas	7.75	1.25
California	7.50	1.25
Colorado	9.50	1.50
Georgia	7.80	1.30
Idaho	7.75	
Iowa	7.75	
Kansas	7.50	
Maine	7.75	1.25
Minnesota	10	
Mississippi	7.70	1.30
Missouri	9.30	1.50
Montana	7.25	1.25
Nevada	8.0	1.00
New Mexico	7.80	1.20
New York	7.50	1.25
North Dakota	7.75	1.25
Ohio	7.75	1.25
Oregon	9.0	
Oklahoma	9.5	1.50
Pennsylvania	8.0	1.00
South Carolina	7.75	1.25
Texas	7.50	1.25
Vermont	7.75	1.25
West Virginia	8.10	1.50
Wyoming	7.75	1.25



- rate or mass
- multi-state or alone
- impact of retirements
- renewable portfolio standards
- energy efficiency savings
- new capacity additions
- buy/sell/bank allowances?

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bisMARCK 2016

Join us in 2016 in the beautiful North Dakota Capitol city of Bismarck!

- Learn about North Dakota's history while exploring the newly expanded State Museum at the ND Heritage Center during the Opening Reception.
- President's Reception hosted at the historic Fort Abraham Lincoln State Park.
- Tour a variety of energy generation sites during the Tuesday energy tours.

More information to be released soon!



Mid-America Regulatory Conference



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69th ANNUAL NECPUC SYMPOSIUM

June 5-7, 2016

Sea Crest Beach Hotel, Falmouth, MA

Join NECPUC Commissioners and staff in Falmouth, Massachusetts for three days of substance-filled sessions with a lot of fun on the side. National and regional experts will engage you in discussing hot topics in energy, gas, telecommunications, and water.



2015 NASUCA ANNUAL MEETING

AGENDA AS OF OCTOBER 16, 2015

Sunday, November 8, 2015

Noon – 2 pm, Executive Committee Meeting, Room 306

1 pm, Registration – Outside Salon F

2 pm – 5 pm, Salon F

- Department of Energy workshop on emerging issues, including the Future of the Grid

5 pm – 6:30 pm, NARUC President's Reception with NASUCA

7 pm, Dinner on your own

Monday, November 9, 2015

7:45 am – 9:15 am, Executive Committee meeting, Room 311

7:45 am – 9:30 am, Registration and Continental Breakfast, outside Salon F

9:30 am – 9:45 am, Salon F

- Greetings from *DeAnn Walker*, Senior Policy Analyst, Texas Governor Greg Abbott's advisor on PUC/OPUC
- Greetings from NARUC President *Lisa Edgar*
- Recorded greetings from *Sen. Amy Klobuchar*, Minnesota

9:45 am – 11:30 am, Salon F - Closed session for members of NASUCA

- Secretary's Report/Adoption of Minutes
- Treasurer's Report/Presentation of FY2016 Budget
- President's Report
- Executive Director's Report
- Committee Reports
- Vote on Amendment to Constitution and By-laws
- Election of Officers
- Discussion of Resolutions
- Roll Call of the States

11:30 am – 1:30 pm, Heads of Office lunch

1:30 pm – 2:30 pm, Salon F

- The Three Rs: The Need for Reliable, Redundant and Resilient Telecommunications in the New Age, *Regina Costa*, TURN, Moderator
- *Stefanie A. Brand*, Director, New Jersey Division of Rate Counsel
- *Simon ffitch*, Public Counsel, Washington Office of Attorney General
- *Susan Baldwin*, Susan M. Baldwin Consulting, Newburyport, Massachusetts

2:30 – 2:45 pm, Break

2:45 pm – 3:45 pm, Salon F

- “Understanding Ratepayer Impacts with Long Term Natural Gas Capacity Issues” – *David Dismukes*, Louisiana State University, moderator
- *George Roesch*, Marketing Advisor, Anadarko, Denver
- *JR Kelley*, Public Counsel, Florida Office of Public Counsel
- TBD, American Gas Association

3:45 pm – 4 pm, Break

4 – 5 pm, Salon F

- Consumer issues – *Craig Graziano*, Iowa Consumer Advocate’s Office, moderator
- Prepaid Residential Gas and Electric Service Update: the Continuing Concerns for Low Income Consumers
- *John Howat*, Senior Energy Analyst, National Consumer Law Center
- *Barry Gold*, Director, Government Relations, AARP Nevada
- *David Springe*, Consumer Counsel, Kansas Citizens’ Utility Ratepayer Board
- Gas Furnace Energy Efficiency Standards: the Need for DOE to Act Promptly
- *Marianne DiMascio*, Outreach Director, Appliance Awareness Standards Project.

6:30 pm, NASUCA Dinner Event

Tuesday, November 10, 2015

7:30 am – 9 am, PJM meeting, room to be determined

8 am, Continental breakfast, Outside Salon F

9 am, – 10:15 am, Salon F

- Synapse presentation on final report on clean power plan, *Liz Stanton* and *Sarah Jackson*, Synapse

10:15 am – 10:30 am, Break

10:30 am – noon, Closed Business Session, Salon F

- Adoption of 2016 Budget
- Vote on Resolutions
- Additional roll call of the states

Noon – 1:30 pm, Lunch (on your own)

1:30 pm – 2:30 pm, Salon F

- Utility 2.0 Technology (utility push to get more regulatory flexibility including multi-year plans) - *Kristin Munsch*, Illinois Citizens Utility Board, moderator
- *Rich Sedano*, Regulatory Assistance Project
- Diane Munns, Environmental Defense Fund
- *Sonia Aggarwal*, Energy Innovation Foundation

2:30 pm – 2:45 pm, Break

2:45 pm – 4:00 pm, Salon F

- What are demand charges and can they benefit consumers? - *Karen Lusson*, Public Utilities Bureau, Illinois Attorney General's Office, moderator
- *Ryan Hledik*, Principal, The Brattle Group
- *Scott Rubin*, Consultant
- *Barbara Alexander*, Consultant
- *David Springe*, Consumer Counsel, Kansas CURB

4 pm – 4:15 pm, Break

4:15 pm – 5:15 pm, Salon F

- Tracker trouble: shifting risk to ratepayers - *Bill Malcolm*, State Advocacy and Strategy, AARP, moderator.
- *Claudia Earls*, General Counsel, NIPSCO, Indianapolis
- *Dr. Janice Beecher*, Michigan State University Institute of Public Utilities
- *John Coffman*, Attorney and Energy Consultant, St. Louis

Wednesday, November 11, 2015

9 am – 10:30 am, Room 401

- Informal state roundtable discussion of issues
- Discussion with new Executive Director

Joint panels of the NARUC and NASUCA's meetings in the NARUC meetings rooms

Sunday

Consumer protection and telecom staff subcommittees – Lifeline, 10:30 am

Barrett Sheridan, Assistant Consumer Advocate, Pennsylvania Office of Consumer Advocate

Consumer protection staff subcommittee – Demand charges, 3:30 pm

David Springe, Consumer Counsel, Kansas Citizens' Utility Ratepayer Board

Monday

Protecting Consumers, Public Safety & Competition during the IP Technology Transition, 3:30 pm,

Elin Swanson Katz, Consumer Counsel, Connecticut Office of Consumer Counsel

Tuesday

NARUC Consortium on Consumers, Convergence, and Change, 9 – 10:15 am

Robert Nelson, Montana Consumer Counsel and NASUCA President

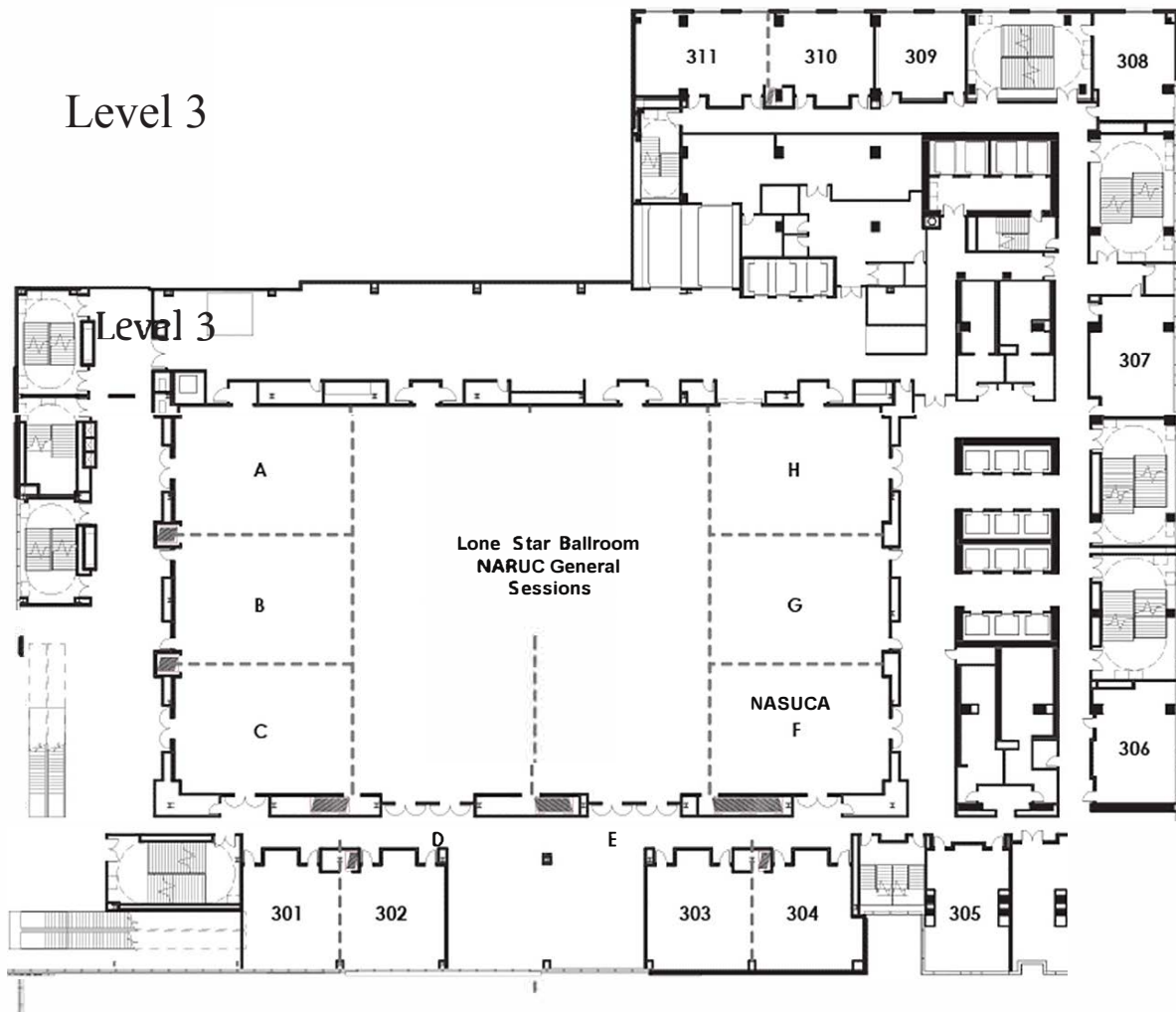
All Under One Roof, Solar alternatives, 10:15 – 11:30 am

Nicole W. Sitaraman, Assistant People's Counsel, Energy Efficiency & Sustainability Section, DC Office of the People's Counsel

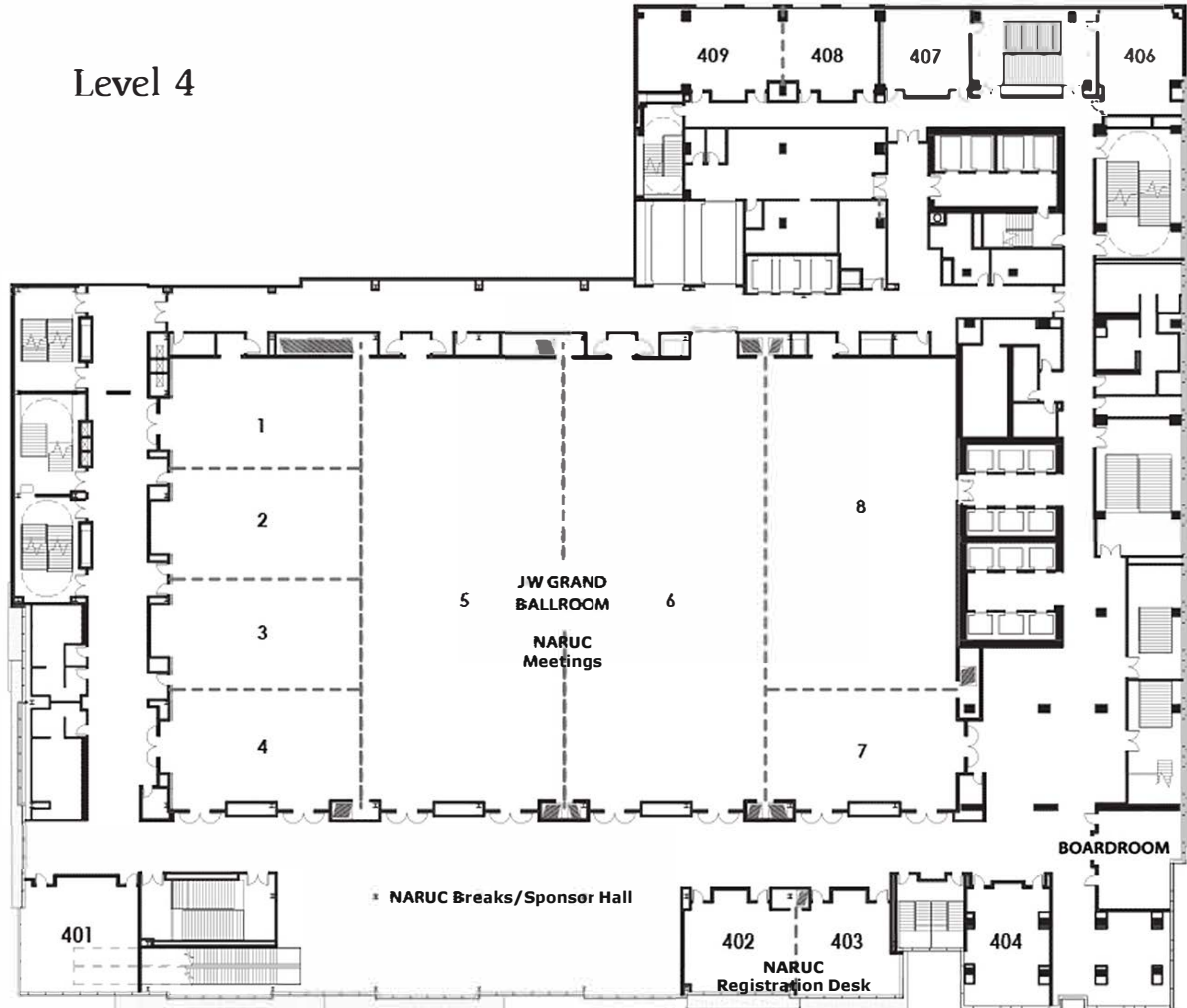
Raters of the Lost Ark, Distributed Generation, 11:45 am – 1 pm

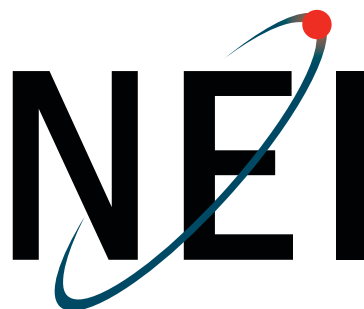
Michele Beck, Director, Utah Office of Consumer Services

Level 3



Level 4





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