



NARUC 2015

Summer Committee Meetings

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Travis Kavulla

First Vice President

Montana Public Service Commission

Robert F. Powelson

Second Vice President

Pennsylvania Public Utility Commission

David E. Ziegner

Treasurer

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Charles D. Gray

Executive Director

National Association of Regulatory Utility Commissioners



NARUC 2015

Summer Committee Meetings

General Information

Hotel Information

New York Marriott Marquis Hotel
1535 Broadway
New York, NY
Phone: (212) 389-1900

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

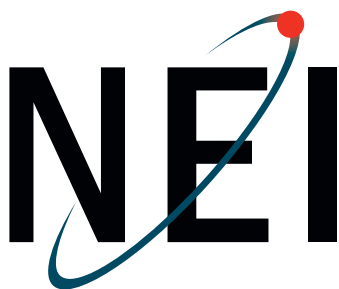
Red – Commission Staff

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

Media – Purple

Program Printing

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



NUCLEAR ENERGY INSTITUTE

Event Tickets

Tickets are required from everyone for entry to the NARUC Welcome Reception. There are no additional charges for this event. Tickets selected during the registration process will be placed in the attendee registration envelope. 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

Saturday – Wednesday: Business Attire

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

Twitter Users

Use the #NARUCSummer hashtag when “tweet-ing” from our meetings. Follow us at <http://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 Davis at rdavis@naruc.org for permission.

Conference Seating

Please find a seat in the session rooms.

Avoid standing in the back or blocking the doorway. NARUC staff is available to assist if you need help finding a seat.



NARUC 2015

Summer Committee Meetings

Activities and Breaks

Sunday, July 12, 2015

8:00 AM–6:30 PM	Registration	5th Floor Foyer
10:30 AM–1:00 PM	New Commissioner Forum and Luncheon (Pre-registrants and Guests)	Odets - 4th
2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer
5:00 PM–6:30 PM	Welcome Reception	Broadway Lounge – 8th

Monday, July 13, 2015

8:00 AM–5:00 PM	Registration	5th Floor Foyer
8:30 AM–10:30 AM	Networking Break	5th Floor Foyer
11:45 AM–1:15 PM	OPSI Meeting and Luncheon	Wilder - 4th
2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer
5:15 PM–6:00 PM	NECPUC Regional Meeting (Invitees Only)	Brecht - 4th
5:15 PM–6:00 PM	Western Regional Meeting (Invitees Only)	Odets - 4th
5:15 PM–6:00 PM	MACRUC Regional Meeting (Invitees Only)	Ziegfield - 4th
5:15 PM–6:00 PM	MARC Regional Meeting (Invitees Only)	Harlem - 7th
5:15 PM–6:00 PM	SEARUC Regional Meeting (Invitees Only)	Wilder - 4th

Tuesday, July 14, 2015

8:00 AM–5:00 PM	Registration	5th Floor Foyer
10:15 AM–10:30 AM	Networking Break	5th Floor Foyer
11:45 AM–1:15 PM	Commissioner- Only Luncheon	Broadway - 6th
11:45 AM–1:15 PM	Commissioner Emeritus Luncheon	Glass House Tavern 252 West 47th Street
2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer

Wednesday, July 15, 2015

8:00 AM–12:00 PM	Registration	5th Floor Foyer
10:15 AM–10:30 AM	Networking Break	6th Floor Foyer
11:45 AM–3:00 PM	Board of Directors Meeting	Lyceum–5th



NARUC 2015

Summer Committee Meetings

Program by Day

Sunday, July 12, 2015

8:00 AM–6:30 PM	Registration	5th Floor Foyer
9:00 AM–11:45 AM	Subcommittee on Utility Marketplace Access	Westside 3&4 - 5th
9:00 AM–5:00 PM	Staff Subcommittee on Telecommunications	Julliard - 5th
9:00 AM–11:45 AM	Subcommittee on Clean Coal and Carbon Management	Westside 1&2 - 5th
9:00 AM–11:45 AM	Staff Subcommittee on Consumer Affairs	Wilder - 4th
9:00 AM–11:15 AM	Staff Subcommittee on Nuclear Issues	Brecht - 4th
9:00 AM–2:15 PM	Staff Subcommittees on Electricity and Electric Reliability	Offsite & Lyceum
10:30 AM–1:00 PM	New Commissioner Forum and Luncheon	Odets - 4th
12:30 PM–5:00 PM	Committee and Staff Subcommittee on Critical Infrastructure	Westside 3&4 - 5th
1:00 PM–5:00 PM	Committee on Consumer Affairs	O'Neill - 4th
1:00 PM–4:30 PM	Committee on International Relations (closed 1:00 – 2:15)	Majestic/Lyceum
1:00 PM–5:00 PM	Staff Subcommittee on Gas	Westside 1&2 - 5th
1:00 PM–5:00 PM	Subcommittee and Staff Committee on Pipeline Safety (Commissioners/Staff only)	Wilder - 4th
2:00 PM–5:00 PM	Washington Action (Commissioners/Staff only)	Odets - 4th
2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
2:30 PM–5:00 PM	Staff Subcommittee on Energy Resources and the Environment	Harlem - 7th
3:30 PM–5:00 PM	Task Force on Environmental Regulations & Generation (Commissioners/Staff only)	Majestic- 6th
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer
5:00 PM–6:30 PM	Welcome Reception	Broadway Lounge – 8th
Please be sure to wear your name badge and bring entry tickets.		

Monday, July 13, 2015

8:00 AM–5:00 PM	Registration	5th Floor Foyer
8:30 AM–10:30 AM	Networking Break	5th Floor Foyer
9:00 AM–10:30 AM	General Session	Broadway Ballroom - 6th
9:00 AM–5:00 PM	Committee on Gas	Broadway/Westside
9:00 AM–5:00 PM	Committee on Electricity	Broadway/Westside
9:00 AM–5:00 PM	Committee on Telecommunications	Broadway/Julliard
9:00 AM–5:00 PM	Committee on Water	Broadway/O'Neil
9:00 AM–5:00 PM	Committee on Energy Resources and the Environment	Broadway/Lyceum
9:00 AM–5:00 PM	Staff Subcommittee on Information Services	Broadway/Majestic - 6th
11:45 AM–1:15 PM	OPSI Meeting and Luncheon	Wilder – 4th



NARUC 2015

Summer Committee Meetings

Program by Day

Monday, July 13, 2015 (Continued)

2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
2:30 PM–3:45 PM	Committee on Consumer Affairs	Julliard - 5th Floor
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer
4:00 PM–5:00 PM	Committee on Critical Infrastructure	Julliard - 5th Floor
5:15 PM–6:00 PM	NECPUC Regional Meeting (Invitees Only)	Brecht - 4th
5:15 PM–6:00 PM	Western Regional Meeting (Invitees Only)	Odets - 4th
5:15 PM–6:00 PM	MACRUC Regional Meeting (Invitees Only)	Ziegfield - 4th
5:15 PM–6:00 PM	MARC Regional Meeting (Invitees Only)	Harlem - 7th
5:15 PM–6:00 PM	SEARUC Regional Meeting (Invitees Only)	Wilder - 4th

Tuesday, July 14, 2015

8:00 AM–5:00 PM	Registration	5th Floor Foyer
9:00 AM–10:15 AM	General Session	Broadway Ballroom–6th
9:00 AM–5:00 PM	Committee on Gas	Broadway/Westside
9:00 AM–5:00 PM	Committee on Electricity	Broadway/Westside
9:00 AM–5:00 PM	Committee on Telecommunications	Broadway/Julliard
9:00 AM–5:00 PM	Committee on Water	Broadway/O'Neill
9:00 AM–5:00 PM	Committee on Energy Resources and the Environment	Broadway/Westside
9:00 AM–5:00 PM	Staff Subcommittee on Information Services	Broadway/Majestic
10:15 AM–10:30 AM	Networking Break	5th Floor Foyer
10:30 AM–11:45 AM	Committee on Consumer Affairs	Julliard–5th
11:45 AM–1:15 PM	Commissioner Only Luncheon	Broadway Ballroom–6th
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2:15 PM–2:30 PM	Networking Break	5th Floor Foyer
3:45 PM–4:00 PM	Networking Break	5th Floor Foyer

Wednesday, July 15, 2015

8:00 AM–12:00 PM	Registration	5th Floor Foyer
9:00 AM–11:45 AM	Committee on Telecommunications	Julliard/Broadway
9:00 AM–11:45 AM	Committee on Electricity	Broadway
9:00 AM–11:45 AM	Committee on Energy Resources and the Environment	Broadway
9:00 AM–11:45 AM	Committee on Gas	Broadway
10:15 AM–10:30 AM	Networking Break	5th Floor Foyer
10:30 AM–11:45 AM	Committee on Water	Broadway
10:30 AM–11:45 AM	General Session	Broadway – 6th
11:45 AM–3:00 PM	Board of Directors Meeting	Lyceum–5th



NARUC 2015

Summer Committee Meetings

General Sessions

Location: Broadway Ballroom - 6th floor

Monday, July 13

9:00 AM - 10:30 AM

Welcome to the NARUC Summer Committee Meetings:

Hon. Lisa Edgar of Florida, NARUC President

Special Remarks by **Richard Kauffman**, Chairman of Energy & Finance for New York, Office of Governor Andrew Cuomo with introduction by **Hon. Audrey Zibelman**, Chair, New York

Financing the Future

We are often told the "Utility of the Future" is more than just a George Jetson fantasy. Distributed generation resources could empower consumers like never before, and smart-grid technology may result in an unparalleled level of interaction between consumers and their utilities. Just like the smart phone revolutionized the telecommunications industry, many experts believe the utility industry is on the cusp of similar, disruptive changes. Indeed, the telecom sector is often held as a model of how new policies can transform a business sector, often in unimaginable ways. But despite the hype, just how far off is this new utility paradigm? Are there enough convergences or similarities between the electricity and telecommunications industries that make these comparisons apt? What financial and regulatory tools may be necessary to spur the necessary innovation? In this session, financial experts, consumer advocates, and industry executives will discuss these issues and more in an innovative, dynamic discussion that could only be held in New York City.

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

Participants:

Carolyn Brandon, Senior Industry and Innovation Fellow, Georgetown Center for Business and Public Policy, Georgetown University

Nat Kreamer, Chief Executive Officer, Clean Power Finance

John McAvoy, Chairman, President and CEO, Consolidated Edison, Inc.

Bob Nelson, Consumer Counsel, Montana Consumer Counsel

Dena Wiggins, President & CEO, Natural Gas Supply Association

Tuesday, July 14

9:00 AM - 10:15 AM

Big Issues in the Big Apple

The Hidden Danger of Failing Water Infrastructure: Presented by
The Honorable Rudolph Giuliani, Former Mayor of New York, Founder Giuliani Partners

A Conversation with **Thomas Fanning**, Chairman, President & CEO, Southern Company



NARUC 2015

Summer Committee Meetings

General Sessions

Location: Broadway Ballroom - 6th floor

Wednesday, July 15

10:30 AM - 11:45 AM

Impact of Telecom Technology and Policy on the Energy and Water Sectors

This panel will examine the growing role and impact of Telecom technologies and policies on energy and water utilities. Electric and gas utilities are deploying the "Smart Grid," dark fiber, and telecom-based controls to better manage their systems and integrate renewables and distributed generation. Communications makes the Smart Grid smart by enabling collection, transmission, and analysis of information to speed identification of operational issues and repairs. Water utilities use communications to monitor their water systems and deploy repair services that can save water and improve customer service. Many water meters are still analog, while some utility Commissions have authorized digital meters or partnerships with electric and gas utilities to use Smart Meter capacity. This panel will explore uses of telecom in the energy and water sectors from the Smart Grid, to dark fiber, sensors, controls, Internet and spectrum use for operations and communication with customers, suppliers, markets, regulators, and others. Understanding current and anticipated applications of telecom in the energy and water sectors and the policy issues they raise is critical to State regulators and good policy-making.

Moderator: **Hon. Catherine J.K. Sandoval**, California

Participants:

Hon. Philip B. Jones, Washington

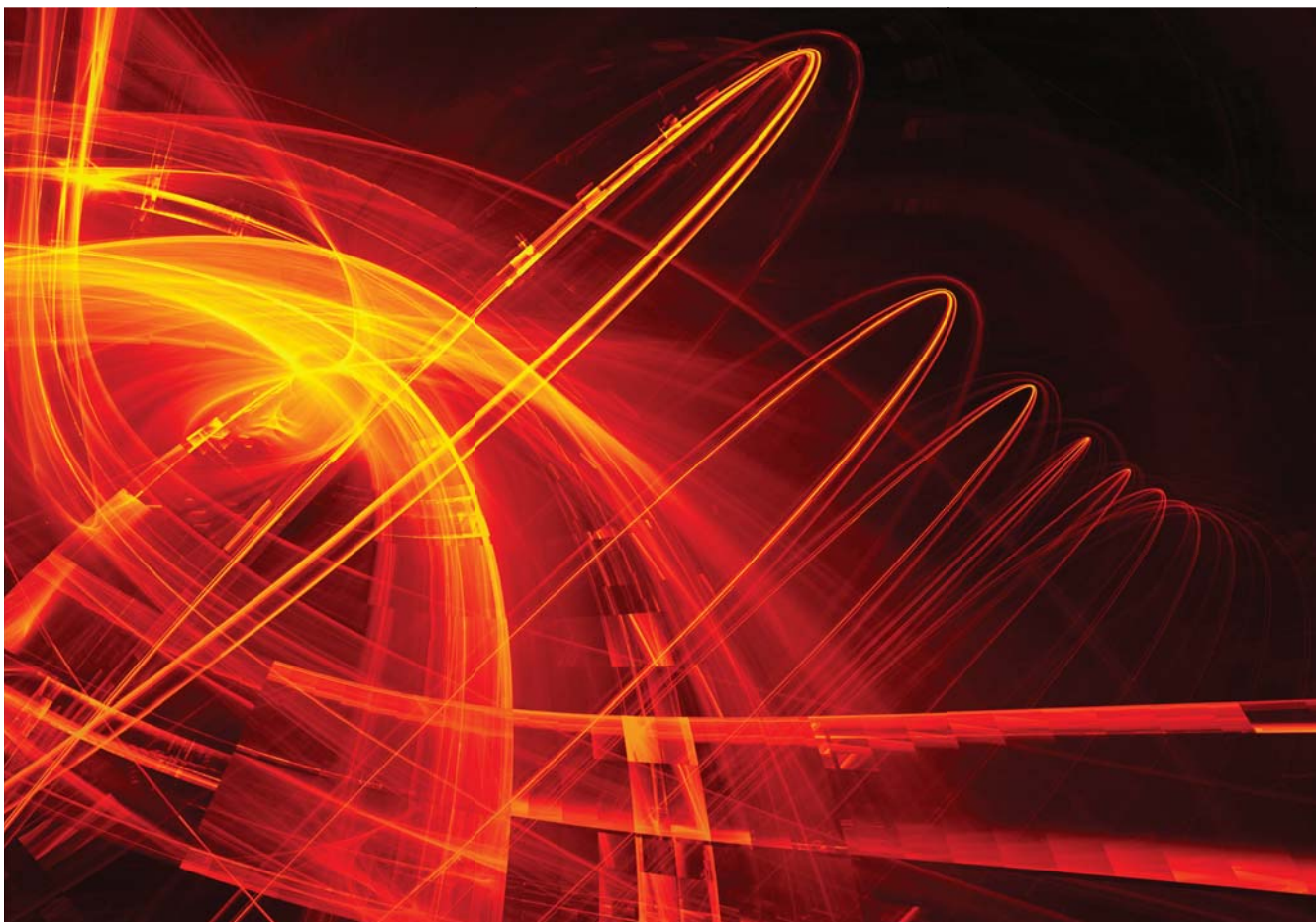
Chris Campbell, Director - Telecommunication Systems, Salt River Project

Sandra Goeken, CEO GoGreen LED, Board Chair, Polybrite

Scott Blake Harris, Founding Partner, Wiltshire Granis

Jim Howe, Chief Regulatory Strategist, Gas Operations, Pacific Gas and Electric Company

Rich Svindland, Vice President of Operations, California American Water



The Electric Markets Research Foundation
funds studies by academics and other experts
on electric market issues of critical importance.
Read our latest study at emrf.net.



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AMERICA'S INNOVATORS *believe in* **NUCLEAR ENERGY'S FUTURE.**



DR. LESLIE DEWAN

TECHNOLOGY INNOVATOR
FORBES 30 UNDER 30

“I’m developing innovative technology that takes used nuclear fuel and generates electricity to power our future and protect the environment.”

America’s innovators are discovering advanced nuclear energy technologies to smartly and safely meet our growing electricity needs while preventing greenhouse gases.

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.



NUCLEAR ENERGY INSTITUTE

Get the facts at nei.org/future
#futureofenergy

nuclear. clean air energy



NARUC 2015 Summer Committee Meetings

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NARUC 2015

Summer Committee Meetings

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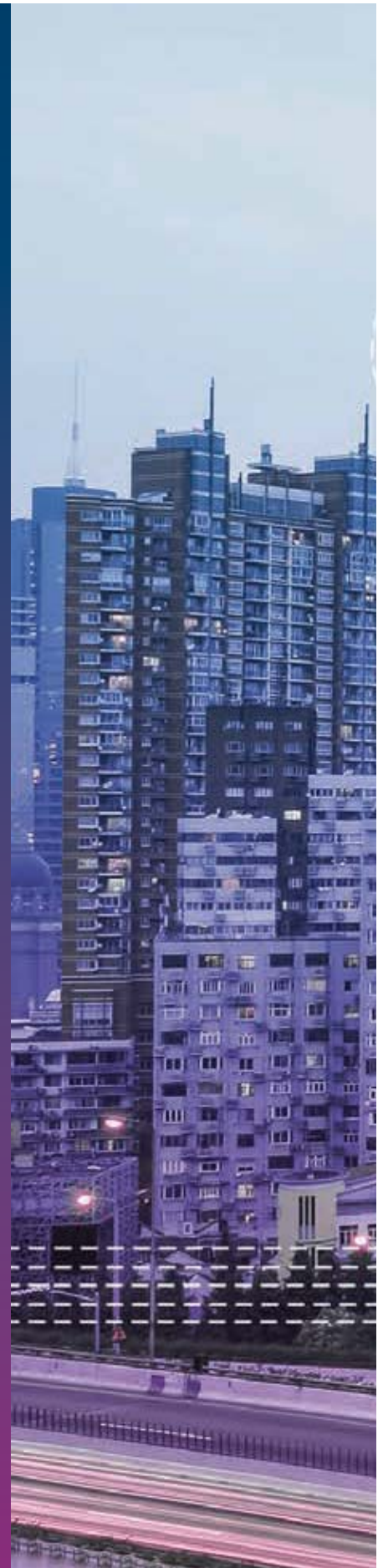
Smart Cities

Engineering the Fabric
of Citywide Connectivity.



For more information please email:
SmartCityInfo@qti.qualcomm.com

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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

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.

MYTH

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

Get the facts at www.AmericasPower.org

AMERICA'S POWER 
American Coalition for Clean Coal Electricity



NARUC 2015

Summer Committee Meetings

Board of Directors

Subcommittee on Utility Marketplace Access

Sunday, July 12, 2015

9:00 AM - 11:45 AM

Westside 3&4 – 5th

9:00 AM **Welcome and Opening Comments**

Hon. Nikki Hall, South Carolina and NARUC Utility Marketplace Access Chairwoman

9:00 AM **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

9:15 AM **PANEL – Financial Challenges in Engaging Renewable Energy Markets**

The United States is the 2nd largest energy consumer and ranks seventh in energy consumption per capita after Canada and a number of small nations. Our growing need for energy has encouraged investment in new, innovative solutions to harness renewable energy sources and to create a robust market for energy efficiency solutions. Diverse suppliers are finding this marketplace to be an exciting, promising source of new opportunities. However, as in other industries, diverse energy suppliers are challenged with finding financial resources or other financial instruments available for funding renewable energy projects. This panel will discuss the problems and resources available to provide a resolution to this dilemma.

Moderator: *Hon. Greg White*, Michigan

Panelists:

- *Gilbert Campbell*, Co-Founder and Managing Partner, Volt Energy
- *Frederick Royall*, President & CEO, Royall Capital Holdings, LLC SunEdison

10:00 AM **PANEL: Supporting Supplier Diversity in Financial Services within Investor-Owned Utilities**

The NARUC Board of Directors (July 2011) Adopted the Resolution Supporting Supplier Diversity in Financial Services within Investor-Owned Utilities. This panel will address developments on a national scale of the utilization of diverse financial institutions by investor owned utilities since this resolutions adoption. The discussion will include sharing current best practices amongst State utility regulators, utilities and minority banks in the various areas of financial services utilized by IOU's. This would include debt and preferred offerings, research, cash management, stock repurchasing, directed brokerage and other utility products and services.

Moderator: *Hon. Sherina E. Maye*, Illinois

Panelists:

- *TBD*, Senior Managing Director, Ramirez & Co.
- *Ms. Ani Tchaghasian*, Senior Vice President, Investment Banking, Loop Capital Markets



NARUC 2015

Summer Committee Meetings

Board of Directors (continued)

Subcommittee on Utility Marketplace Access

Sunday, July 12, 2015

Westside 3&4 – 5th

10:30 AM PRESENTATION: RISE Initiative (Realizing an Inclusive Solar Economy)

SunEd and GRID brief UMA on their efforts to bring diversity to the solar industry, which builds on the Women in Solar program.

Moderator: *Hon. Nikki Hall* – South Carolina and NARUC Utility Marketplace Access Chairwoman.

Panelists:

- *Fred Zalcman*, Managing Director, Government Affairs, Northeast States, SunEdison
- *Kate Shackford*, Tri-State Executive Director, GRID Alternatives

11:00 AM PRESENTATION: Marketing Effectiveness in a Multicultural Nation: Paradigms Revisited

The United States is undergoing its biggest demographic transformation in its young 239-year history. Today, the majority of leading cities are comprised of multicultural consumers, and by 2040, the U.S. as a country's projected to become a minority-majority nation. Corporations have used a number of approaches in targeting the growing Hispanic, African American, Asian and other cultural groups over the last 40 years. But with the changing U.S. demographic landscape, marketers are in search of a better model. This session aims to review previous multicultural marketing paradigms and discuss what ultimately is the key to driving marketing effectiveness in a multicultural nation.

Moderator: *Hon. Nikki Hall*, South Carolina and NARUC Utility Marketplace Access Chairwoman

Speaker: *Dr. Jake Beniflah*, Co-Founder and Editor, Journal of Cultural Marketing Strategy – Henry Stewart Publications

11:00 AM Committee Business

- Tabled Resolutions from San Francisco
- Update on Presentations at Regional Meetings
- Ideas for panels at Annual Meeting November 8th, 2015 in Austin, Texas.

Moderator: *Hon. Nikki Hall*, South Carolina and NARUC Utility Marketplace Access Chairwoman.

Washington Action (Commissioners/Staff only)

Sunday, July 12, 2015

2:00 PM - 5:00 PM

Odets-4th

Agenda to be distributed at meeting.

Task Force on Environmental Regulations & Generation (Commissioners/Staff only)

Sunday, July 12, 2015

3:30 PM - 5:00 PM

Majestic-6th

Agenda to be distributed at meeting.



NARUC 2015

Summer Committee Meetings

Consumer Affairs

Staff Subcommittee on Consumer Affairs

Sunday, July 12, 2015

9:00 AM - 11:45 AM

Wilder-4th

9:00 AM

Low-Income Issues Investigative Report

Phil Boyle, Manager, Consumer Services, Oregon Public Utilities Commission will present an overview of his recently completed Low-Income Issues Investigative Report. How do States differ? What works, what doesn't work and why?

9:45 AM

Smart Grid Impact on State Commissions' Disconnection Policies

Beverly Barker, Director, Consumer Assistance, Idaho Public Utilities Commission, will discuss the Idaho PUC's recent decision to grant three electric utilities an exemption to the rule requirement that utilities knock on customers doors and accept payment immediately prior to disconnection. What is the anticipated impact on customers? What are the benefits to utilities? How is Smart Grid implementation and advanced metering technology driving changes in commissions policies?

10:15 AM

Networking Break

10:30 AM

Best Social Media Strategies w/Telecommunications

Julliard-5th

From Twitter to Facebook to Instagram, customers of all ages and backgrounds use social media to keep informed. With the best intentions, messaging through these tools can quickly spiral out of control if used incorrectly. What social media practices for utility companies and public service commissions work best, considering their different goals for customer engagement?

Moderator: *Cindy Muir*, Director, Consumer Assistance & Outreach, Florida Public Service Commission

Confirmed Participants:

- *Michael Corso*, Chief Consumer Advocate, New York Department of Public Service
- *William Johnston*, Telecommunications Advisor, California Public Utilities Commission
- *Selim Bingol*, Senior Vice President, Corporate Communications, Duke Energy
- *Patrick Steller*, US Digital Communications Manager, National Grid
- *Liz Matthews*, Social Media Strategist, Con Edison
- *Maisha Walker*, President, Message Medium

Committee on Consumer Affairs

Sunday, July 12, 2015

1:00 PM-5:00 PM

O'Neill-4th

1:00 PM

The Evolving Distribution System: Helping Consumers Navigate Access to Products, Services and Technologies

During the Critical Consumer Issues Forum (CCIF) 2015 summit series, a number of State commissioners, consumer advocates, and electric utility representatives collaborated on several topics pertaining to the evolving distribution system. While highlighting some of the key principles developed in the process, panelists will push the discussion beyond the consensus reached – by discussing relevant activities in their States and regions; identifying areas of greatest opportunity and of greatest concern with respect to increasing consumer access to new products, services, and technologies; and teasing up areas for which policymakers, regulators, consumer advocates, utilities, and other stakeholders can build upon the foundation provided by the CCIF principles and best prepare for the changes ahead.



NARUC 2015

Summer Committee Meetings

Consumer Affairs (continued)

Committee on Consumer Affairs
Sunday, July 12, 2015

O'Neill-4th

Moderator: *Katrina McMurrian*, Executive Director, Critical Consumer Issues Forum

Panelists:

- *Hon. Ann Rendahl*, Washington
- *Kristin Munsch*, Senior Attorney & Policy Director, Illinois Citizens Utility Board
- *Christopher Raup*, Manager – State Regulatory Affairs, Consolidated Edison Company of New York, Inc.

2:15 PM

Update: Health Benefits of Energy Efficiency

Dr. Bruce Tonn, of Oak Ridge National Laboratory, will present his study of previously unquantified health and household-related economic benefits attributable to the U.S. Department of Energy low-income Weatherization Assistance Program (WAP). This study was undertaken as part of a comprehensive evaluation of WAP. Energy efficiency saves thousands of dollars per family over the lifetime of measures; the evaluation up-dates previous estimates of the energy cost savings and environmental emission reductions attributable to this DOE program. Additionally, *Dr. Tonn's* new study, for the first time, quantifies the program's value to both participants and taxpayers in reducing house fires, reducing missed days of work, reducing reliance on costly predatory loans, reducing the need for food assistance, and improving health.

Speaker: *Dr. Bruce Tonn*, Oak Ridge National Laboratory

2:30 PM

Networking Break

2:45 PM

Update on Consumer Attitudes Regarding Utilities and Utility Commissions

John Ashford, Chairman, The Hawthorn Group, L.C.

3:30 PM

Prepaid Electric Service

Moderator: *Hon. Brandon Presley*, Mississippi

Participants:

- *Michael Moody*, Assistant Attorney General, Michigan
- *Jon Turner*, Director of Public Relations and Marketing, 4-County Electric Power Association
- *Renee Castillo*, Sr. Director, Customer Experience Services, Salt River Project
- *Nat Treadway*, Managing Partner, Distributed Energy Financial Group

5:00 PM

Adjournment



NARUC 2015

Summer Committee Meetings

Consumer Affairs (continued)

Committee on Consumer Affairs

Monday, July 13, 2015

2:30 PM–3:45 PM

Julliard - 5th

2:30 PM

Lifeline Reform with FCC Commissioners Clyburn and O'Rielly

Joint Meeting with Committee on Telecommunications

The FCC Commissioners will discuss their views on reforming Lifeline. The FCC's Lifeline Program is a 20th Century government program aimed at spreading a 19th Century technology, voice service. There is great debate about how best to provide America's low income communities with greater access to 21st Century broadband communications services. Today, while 96% of households have voice telephone service in the United States, millions continue to lack access to modern high-speed wired and wireless broadband services. Re-tooling the Lifeline Program to include broadband will empower consumers of limited economic means with the modern tools necessary to tackle the challenges of modern life. We've invited the Commissioners to discuss their thoughts on how to accomplish this reform.

Moderator: *Hon. Crystal Rhoades, Nebraska*

- *Hon. Mignon Clyburn, Federal Communications Commission*
- *Hon. Michael O'Rielly, Federal Communications Commission*

Committee on Consumer Affairs

Tuesday, July 14, 2015

10:30 AM–11:45 AM

Julliard–5th

9:00 AM
10:30 AM

**General Session: Big Issues in the Big Apple
How Does Rural Broadband Feed the World?**

Broadway

Joint Meeting with Committee on Telecommunications

Julliard

This panel will discuss how broadband is used in rural America to feed the world more efficiently and drive the U.S. economy.

Moderator: *Hon. Tim Schram, Nebraska*

- *Hon. Chris Nelson, South Dakota*
- *Robert C. Goodling, Jr., Extension Associate, Penn State Extension*
- *Charles Hibberd, Dean and Director of Extension, University of Nebraska–Lincoln*
- *Brian Thomason, CEO, Blue Valley Tele–Communications*

2:45 PM

Furnace Rule

Westside 1&2

Joint Meeting with Committee on Gas (see page 34)



NARUC 2015

Summer Committee Meetings

Critical Infrastructure

Committee and Staff Subcommittee on Critical Infrastructure

Sunday, July 12, 2015

1:00 PM–5:00 PM

Westside 3&4 – 5th

1:00 PM

Welcome and Introductions

Hon. Carolene Mays–Medley, Indiana
Thomas Pearce, Ohio

1:15 PM

That's Risky! Update on State Energy Risk Assessment Initiative

This session will provide highlights from the recent and ongoing activities by the U.S. Department of Energy and State commissions and state energy offices, including outcomes and key takeaways from the recent State Energy Risk Assessment Workshop.

- *Alice Lippert, Senior Technical Advisor, Energy Infrastructure Modeling and Analysis, Office of Electricity Delivery and Energy Reliability, U.S. Department of Energy*

1:30 PM

Perspectives on Catastrophic Events: Commissioners

During this session, perspectives on the impact of catastrophic events will be shared: lessons learned, transformations and best practices developed by utility and communications providers after 9/11/01, SuperStorm Sandy, and other physical and cyber events which have affected critical infrastructures. What has been done to assure resiliency, and the provision of safe, reliable, affordable services for consumers? With the increase in interdependencies amongst critical infrastructures, have there been improvements in the communication and coordination in responding to system disruptions?

Moderators: *Hon. Carolene Mays–Medley, Indiana and Hon. Nick Wagner, Iowa*

Panelists:

- *Hon. Diane Burman, New York*
- *Hon. Joe Fiordaliso, New Jersey*
- *Hon. Joanne–Doddy Fort, District of Columbia*
- *Hon. Mary–Anna Holden, New Jersey*

2:45 PM

Perspectives on Catastrophic Events: Industry and Others

During this portion of the discussions, industry representatives and others will share their experiences with lessons learned, transformations, and best practices following catastrophic events.

Moderators: *Hon. Carolene Mays–Medley, Indiana and Hon. Swain Whitfield, South Carolina*

Panelists:

- *Richard DiGasso, Executive Director, Network Engineering, Verizon North East*
- *Carlos Torres, Vice President of Emergency Management, Consolidated Edison*
- *Kevin Kirwan, Senior Director Operations – Coastal Region, New Jersey American Water*

3:45 PM

7th inning stretch (Break)



NARUC 2015

Summer Committee Meetings

Critical Infrastructure (continued)

Committee and Staff Subcommittee on Critical Infrastructure

Sunday, July 12, 2015

Westside 3&4 – 5th

4:00 PM **Mind the Gap! (The cybersecurity gap, that is.)**

During this session, participants will learn about new deliberate approaches to cybersecurity, as well as the potential gaps in U.S. strategies and capabilities for restoring power and other essential utility services against highly capable cyber threats.

Moderator: *Hon. Arthur House*, Connecticut

Presenter: *Dr. Matthew Schaffer*, Senior Staff Member, National Security Analysis, Johns Hopkins University Applied Physics Lab

4:30 PM **Business Meeting**

5:00 PM **Meeting Adjourned**

Committee on Critical Infrastructure

Monday, July 13, 2015

4:00 PM–5:00 PM

Julliard Complex – 5th Floor

4:00 PM **CSRIC Working Group 4 Paper
Joint Meeting with Committee on Telecommunications**

Moderator: *Hon. Pamela A. Witmer*, Pennsylvania

Panelist:

- *Hon. Philip B. Jones*, Washington
- Rear Admiral, USN (ret) *David G. Simpson*, Bureau Chief, FCC Public Safety & Homeland Security Bureau
- *Donna Dodson*, Associate Director & Chief Cyber Security Advisor & Director, National Cybersecurity Center for Excellence, NIST
- *Robert Mayer*, Vice President Industry & State Affairs, US Telecom
- *Chris Boyer*, Assistant Vice President Global Public Policy, AT&T



NARUC 2015

Summer Committee Meetings

Electricity

Subcommittee on Clean Coal and Carbon Management

Sunday, July 12, 2015

9:00 AM - 11:45 AM

Westside 1&2 – 5th

- 9:00 AM **Welcome and Introductions**
Hon. Brian Kalk, North Dakota
Hon. Asim Haque, Ohio
- 9:15 AM **Perspectives from the U. S. Department of Energy**
David Mohler – Deputy Assistant Secretary, DOE, Office of Clean Coal and Carbon Management
- 9:45 AM **Low-Energy Carbon Capture Using Metal–Organic Frameworks**
Jeffrey Long – Professor of Chemistry, University of California, Berkeley and Senior Faculty Scientist, Lawrence Berkeley National Laboratory
- 10:15 AM **Improving Plant Efficiency and Emissions through DryFining Technology**
David Farnsworth – Great River Energy
- 10:45 AM **Perspectives from the Coal Utilization Research Council**
Ben Yamagata – Executive Director, Coal Utilization Research Council
- 11:15 AM **Committee Business Meeting**

Staff Subcommittees on Electricity and Electric Reliability

Sunday, July 12, 2015

9:00 AM–2:15 PM

Offsite/Lyceum

- 9:00 AM **Tour of the Newtown Creek Egg Bio–Digester Plant (Staff Only)**
- 12:00 PM **Break for lunch**
- 1:00 PM **Frequency Response Decline in the Eastern Interconnect - Lyceum**
The ability of the grid to automatically adjust the output of power within 5–30 seconds of changes in the frequency of the electric grid, is a critical component in maintaining grid stability and reliability. This automatic and sustained adjustment of power (either ramping up or ramping down) is called frequency response. Beginning in the 1990's, the frequency response in the Eastern Interconnection started declining, a pattern which if continued, could impact reliable operations of the bulk power system. The Frequency Response Task Force, a subset of the NERC Operating Committee, has been studying this riddle for years, trying to understand the reason for the decline in frequency response and they recently made a breakthrough. Find out more in this session.
- Panelist: *Troy Blalock*, Power System Reliability Specialist, South Carolina Electric & Gas Company
- 1:45 PM **Report on the cause of the recent Washington D.C. outage**
- On April 7, 2015, an outage hit parts of Maryland and Washington, DC, impacting several thousand customers. PJM recently completed its analysis of the event. Find out the cause of the outage and lessons learned.
- Panelist: *Dave Souder*, PJM
- 2:15 PM **Adjourn**



NARUC 2015

Summer Committee Meetings

Electricity

Committee on Electricity

Monday, July 13, 2015

9:00 AM–5:00 PM

Broadway/Westside 3&4–5th

9:00 AM **General Session: Financing the Future**

Broadway

10:45 AM **Subcommittee on Nuclear Issues: At Risk Nuclear Plants and the Impacts to Compliance with the Proposed 111(d) Rule Clean Power Plan - Westside**

Since 2012, four nuclear power plants have shut down for various reasons, among them, poor economics. Several more plants are facing economic pressures and are at-risk for premature closure. With release of the EPA Clean Power Plan scheduled for this summer, what will be the role of our existing nuclear fleet going forward? What is the potential and/or real reliability impact from premature nuclear plant closures? Are nuclear plants closing for reasons other than age, operations, or safety? Can States meet their electricity needs and carbon reduction goals without existing nuclear plants? If so, at what cost to ratepayers? How will nuclear, as well as other fuels and renewable energy sources, compete against cheap and plentiful domestic natural gas in a 111(d) world? What can States and utilities do to address the issues and policies in their respective States and markets? This session will explore these questions and more.

Moderator: *Hon. Greg White, Michigan*

- *Dr. Lara Pierpoint, Special Advisor, Energy Policy and Systems Analysis, DOE*
- *Mike Kormos, Executive Vice President, PJM*
- *Richard Myers, Senior Policy Advisor, NEI*
- *Dr. Raj Barua, Executive Director, NRI*

1:15 PM **Modern Utility / Modern Regulation**

Several States are considering new utility business models and regulatory structures in light of low load growth and new grid-enabled products and services. Learn what they are proposing and why.

Moderator: *Hon. Susan Ackerman, Oregon*

- *Hon. Lorraine Akiba, Hawaii*
- *Hon. Carla Peterman, California*
- *Hon. Audrey Zibelman, New York*

2:30 PM **Consumer Advocates Respond**

New regulatory models can be controversial. Consumer advocates explain their concerns.

Moderator: *Hon. Susan Ackerman, Oregon*

- *David Hepinstall, Association for Energy Affordability*
- *Bill Malcolm, AARP*
- *Sonny Popowsky, Former Consumer Advocate of Pennsylvania*

4:00 PM **Real Data About Customer Wants and Needs**

Recent survey data, as well as personal interaction with consumers, combine to provide a fresh look at what customers want from their electric utility.

Moderator: *Hon. Susan Ackerman, Oregon*

- *Bradley Berson, Principal Analyst, American Electric Power*
- *Ken Black, ESource*
- *Patty Durand, Executive Director, Smart Grid Consumer Collaborative*
- *Elin Katz, Connecticut Consumer Counsel*
- *Denise Senecal, Market Research Manager, PEPCO Holdings, Inc.*



NARUC 2015

Summer Committee Meetings

Electricity (continued)

Committee on Electricity
Tuesday, July 14, 2015

9:00 AM–5:00 PM

Westside 3 & 4 – 5th Floor

9:00 AM **General Session: Big Issues in the Big Apple** **Broadway**

10:30 AM **American Water Works Association's EE Initiative: Targeting State Compliance with EPA's Clean Power Plan.**

Joint Meeting: Electricity, ERE and Water **Westside**

US EPA's currently proposed Clean Power Plan rule could bring both increased power costs and energy efficiency incentives to the water sector while transforming the electricity sector. Understanding how the plan would work could provide opportunities for maximizing savings. This session will provide federal, State, and utility perspectives.

American Water Works Association will provide a strategic response to the proposed rule. EPA's Office of Water Office of Water will provide their thoughts on the energy efficiency opportunities in the water sector. The New York Department of Environmental Protection, an operator of a large municipal water and wastewater treatment plant, will discuss their experience trying to qualify for utility energy efficiency (EE) funding and credits for capital improvements. And American Water, one of the largest private water companies in the US, will describe their state of the art geothermal pilot project, and other opportunities for carbon reductions.

Moderator: *Hon. Susan Bitter Smith, Arizona*

- *Hon. Patricia Acampora, New York*
- *Alan Roberson, Director of Federal Relations, American Water Works Association*
- *Mike Shapiro, Office of Water, EPA*
- *Anthony Fiore, Interim Director, Energy Regulatory Affairs, New York Mayor's Office of Sustainability*
- *Bill Varley, Sr.VP Northeast Division, President NJ and NY, American Water*

1:15 PM **The Clean Power Plan, Demand Response, and Efficiency: Major Manufacturers Respond**

Moderator: *Hon. Edward Finley, North Carolina*

- *David Ciarlone, Manager of Global Energy Services, Alcoa, Inc.*
- *Paul Cicio, President, Industrial Energy Consumers of America*
- *Darren MacDonald, Director of Energy, Gerdau Steel*
- *Susan Misconish, Commodity Manager – Strategic Sourcing, Timken Steel Corp.*
- *Bruce Ray, Associate General Counsel, Johns Manville Corp.*
- *Larry Stalica, Manager – Energy & Regulatory Affairs, Linde, LLC*



NARUC 2015

Summer Committee Meetings

Electricity (continued)

Committee on Electricity
Tuesday, July 14, 2015

Westside 3 & 4 – 5th Floor

2:45 PM **Business Meeting**

Welcome and Introductions

Hon. Susan Ackerman, Oregon, Chair, NARUC Committee on Electricity

Hon. Edward Finley, North Carolina, Co-Vice Chair, NARUC Committee on Electricity

Subcommittee Reports

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

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

Other Reports

Chris Mele, Legislative Director, NARUC

Jennifer Murphy, Assistant General Counsel, NARUC

Miles Keogh, Director of Grants and Research, NARUC

Gerry Cauley, President, North American Electric Reliability Corporation

Raj Barua, Executive Director, National Regulatory Research Institute

S. William Becker, Executive Director, National Association of Clean Air Agencies

Barbara Tyran, Dir. of Washington and State Relations, Electric Power Research Institute

Katrina McMurrian, Executive Director, Critical Consumer Issues Forum

4:00 PM **UN Climate Change Conference**

Joint Meeting: Electricity and International Relations

All eyes will be on Paris in December, when the nations of the world gather for the 2015 United Nations Climate Change Conference. The conference goal is to craft a legally binding and universal agreement on climate. Any agreement that emerges – or the absence of an agreement – will have an impact on US energy policy and utility regulation. We will hear from David Sandalow, Inaugural Fellow at Columbia University Center on Global Energy Policy and former Assistant Secretary of Energy for Policy & International Affairs, about the preparations for the conference, the key issues likely to arise and the expectations for an end result. We will also hear from Karl Hausker from the World Resources Institute, who will discuss his recent paper called Delivering on the U.S. Climate Commitment: A 10-Point Plan Toward a Low-Carbon Future.

Moderator: *Hon. Robert Kenney, Missouri*

Panelists:

- *David Sandalow, Inaugural Fellow, Center on Global Energy Policy*
- *Karl Hausker, Senior Fellow, WRI*



NARUC 2015

Summer Committee Meetings

Electricity (continued)

Committee on Electricity
Wednesday, July 15, 2015

9:00 AM–11:45 AM

Broadway Ballroom -6th

9:00 AM

Strategies for expediting pipeline and power line construction.

Joint Meeting with Committee on Energy Resources and the Environment and Committee On Gas

The release of the EPA final rule on 111(d) is expected in late summer and with it, compliance requirements and interim targets that may require accelerated infrastructure expansion. Given the long lead time traditionally needed for pipeline and power line planning, siting and construction, are there strategies and best practices for minimizing delays while still allowing public input? This panel will explore multiple issues, such as: Is it possible to cooperate across multiple federal and State agencies as well as minimize the challenges of building infrastructure that potentially crosses several States? How does geography impact the kinds of issues that the local public would bring into the conversation about where to put power lines? Is there a way to encourage State government to plan transmission rights-of-way into their highway planning? Are there any reliability concerns by putting too many power lines in the same corridor? Why aren't more pipelines being built given the rash of recent rail accidents involving transportation of oil?

Moderator: *Hon Ted Thomas, Arkansas*

Panelists:

- *Kristi Wise, Project Manager – Environmental Studies and Permitting, Burns & McDonnell*
- *James W. Haggerty, Regulatory Program Manager –North Atlantic Division, USACE*
- *James Nicholas, Electric Transmission Siting and Permitting Program Manager, CH2M Hill*
- *Carl Zichella, Director Western Transmission, NRDC*

10:30 AM

General Session: Impact of Telecom Technology and Policy on the Energy and Water Sectors



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TO MEET OUR ENERGY
NEEDS FOR 100 YEARS



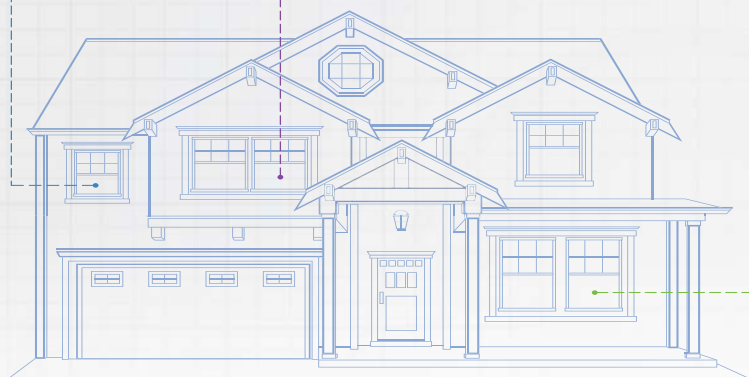
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American Gas Association



NARUC 2015

Summer Committee Meetings

Energy Resources and the Environment (continued)

Staff Subcommittee on Energy Resources and the Environment

Sunday, July 12, 2015

2:30 PM–5:00 PM

O'Neil/Harlem

2:30 PM

No Utility Regulator is an Island: Energy Reform and Regulation in Puerto Rico

Joint Meeting: Committee on International Relations

An island environment gives new meaning to the term natural monopoly, presenting unique challenges for utilities and utility regulators. In this session, we will hear how the Commonwealth of Puerto Rico is addressing those challenges through energy reforms and the establishment of a regulatory commission. A member of the Hawaii commission will provide historical perspective.

Moderator: *Hon. Francisco Salazar*, President, Mexico

Panelists:

- *Hon. Eduardo Bhatia*, President, Senate of Puerto Rico
- *Hon. Agustin Carbo-Lugo*, Chairman, Puerto Rico Energy Commission
- *Hon. Michael Champley*, Hawaii

4:00 PM

Energy Efficiency Without a Leg/Reg to Stand On

Harlem - 7th

In the absence of, or -- in the case of some States -- the removal of legislative or regulatory authority for establishing: (1) energy savings targets and approved utility EE budgets, (2) lost contribution to fixed costs/decoupling mechanisms, and (3) utility EE performance incentives, there remains a large disincentive for utilities to promote EE. As renewables become increasingly more cost effective, with markets for wind and solar thriving with fewer incentives, the push for RPS in many States has trickled to a halt. Is it possible that opponents of an EERS are making the same argument and, if so, does it have any legs?

This debate-structured session will delve into the drivers of an alarming new trend of repealing/weakening State EE standards, even when cost effectiveness is indisputable. Two panelists will discuss what fuels opposition to regulatory-driven subsidies for EE program participants; a perceived lessening of utility interest in administering and managing multiple EE programs and budgets and EM&V for rate-payer-funded costs that are expensed vs. utility construction/acquisition of large generating plants and transmission lines that can be capitalized and earn a return for shareholders; and the prospect of rising utility rates and bill impacts caused by EE programs, as gas prices remain low or fall and the low-hanging EE fruit gets picked?

Moderator: *Wally Nixon*, Commissioner's Legal Advisor, Arkansas

Panelists:

- *Jeff Schlegel*, Independent Consultant, Schlegel & Associates, LLC
- Utility Representative (invited)



NARUC 2015

Summer Committee Meetings

Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment
Monday, July 13, 2015

9:00 AM- 5:00 PM

Lyceum-5th

9:00 AM **General Session: Financing the Future**
10:45 AM **Rate Design and Distributed Resources**

Improvements in the economics of distributed generation (DG), growing consumer preference for clean, distributed energy resources, and a favorable policy environment in many States have combined to produce significant increases in DG adoption around the country. DG, however, leads to reduced retail electricity sales, causing some States to reexamine rate structures in an effort to strike a balance between utility sales and revenues and the consumers' interest in DG. Adopting and non-adopting customers, utilities, DG developers and third-party electricity service providers are affected differently by these trends, and various regulatory responses. This panel will examine this debate including the rationale, pro and con, behind the increase in the use of fixed charges, other alternative rate designs and policies, and lessons learned from various States.

Moderator: *Hon. Carla Peterman, California*

Panelists:

- *Carl Linvill, Principal, Regulatory Assistance Project*
- *Kristin Munsch, Director of Policy and Senior Attorney, Citizens Utility Board*
- *David Owens, Executive VP of Business Operations and Regulatory Affairs, EEI*

1:15 PM **Voluntary Green Power Markets– Mid-Sized Edition**

Through voluntary green power markets, utility customers have options for purchasing renewable energy to meet their renewable goals, while also supporting clean energy projects and raising awareness of the benefits of renewable energy. In addition to the more traditional voluntary markets types of utility green pricing programs, competitive supply offerings, and customer purchases of unbundled renewable electricity credits, two new programs gaining popularity are community choice aggregation; and corporate and institutional purchases through either power purchase agreements or large-customer utility tariffs.

Several large commercial customers have been making headlines for companies declaring, and charging towards, ambitious renewable goals. Many small commercial customers share these same renewable goals but may lack similar capital to partake in PPAs, multi-state locations to utilize State specific green programs, and long-term building lease agreements. This panel will examine several voluntary market options suitable for small commercial customers, and outline program best practices for each program type to reach this niche customer class.

Moderator: *Hon. Nancy Lange, Minnesota*

Panelists:

- *Jenny Heeter, Energy Analyst, NREL*
- *Customer Representative (invited)*
- *Utility Representative (invited)*



NARUC 2015

Summer Committee Meetings

Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment
Monday, July 13, 2015

Lyceum-5th

2:30 PM

Business Meeting

Welcome and Introductions

- *Hon. Robert Kenney*, Missouri–Chair, NARUC Committee on Energy Resources and the Environment,
- *Hon. James Gardner*, Kentucky–Co–Vice Chair, NARUC Committee on Energy Resources and the Environment

Reports

- Washington Report, *Chris Mele, Jennifer Murphy*, NARUC
- Grants and Research, *Miles Keogh*, NARUC
- *Barbara Tyran*, EPRI
- *Tom Stanton*, NRRI
- *Ron Edelstein*, GTI
- *Christina Cody*, DOE
- *Philip Hanser*, CICSNC
- *Robert Kenney*, CCIF

Resolutions

4:00 PM

Bowling Alone or Square Dancing: 111(d) and Multi–state Compliance

Several groups of States and think tanks have begun developing tools and thought pieces to facilitate multi–state compliance with EPA’s Clean Power Plan. They are deliberating what needs to be in place, common elements and what questions to ask. Modeling by RTOs, NGOs and others shows multi–state compliance is less expensive. Panelists will overview the approaches, the pros and cons of multi–state compliance, and the administrative and political hurdles to deciding whether to go–it–alone or band together. Learn what’s happening in the Midwest, West, Southeast and at NARUC, where EISPC developed a Multi-state 111(d) Resources Guide to lower institutional barriers to interstate conversations about what might end up in each States plan.

Moderator: *Hon. Ann McCabe*, Illinois

Panelists:

- *Hon. Travis Kavulla*, Montana
- *Hon. Nancy Lange*, Minnesota
- *Michael Schnitzer*, Director, The NorthBridge Group
- *Kate Zyla*, Deputy Director, Georgetown Climate Center



NARUC 2015

Summer Committee Meetings

Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment

Tuesday, July 14, 2015

9:00 AM–5:00 PM

Lyceum –5th

9:00 AM

General Session: Big Issues in the Big Apple

Broadway

10:30 AM

American Water Works Association's EE Initiative: Targeting State Compliance with EPA's Clean Power Plan

Joint Meeting: ERE, Electricity and Water

Westside 3/4

The U.S. EPA's currently proposed Clean Power Plan rule could bring both increased power costs and energy efficiency incentives to the water sector while transforming the electricity sector. Understanding how the plan would work could provide opportunities for maximizing savings. This session will provide federal, State, and utility perspectives.

American Water Works Association will provide a strategic response to the proposed rule. EPA's Office of Water will provide thoughts on the energy efficiency opportunities in the water sector. The New York Department of Environmental Protection, an operator of a large municipal water and wastewater treatment plant, will discuss its experience trying to qualify for utility energy efficiency (EE) funding and credits for capital improvements. And American Water, one of the largest private water companies in the U.S., will describe its company-wide benchmarking analysis of its pumps and motors to measure the EE potential across multiple facilities in many States, its state-of-the-art pilot projects, and other opportunities for carbon reductions.

Moderator: *Hon. Susan Bitter Smith, Arizona*

- *Alan Roberson, Director of Federal Relations, American Water Works Association*
- *Anthony Fiore, Director, New York Department of Environmental Protection*
- *Bill Varley, Sr. VP Northeast Division, President NJ and NY, American Water*
- *Mike Shapiro (invited), Office of Water, EPA*

1:15 PM

Reliability and the Clean Power Plan: What should we expect?

Lyceum

In May, the Analysis Group issued *Greenhouse Gas Emission Reductions from Existing Power Plants: Options to Ensure Electric System Reliability*, a report in which they contend that reliability concerns related to EPA's Clean Power Plan (CPP) are misplaced. After a review of various system operators around the country, they conclude that regional circumstances, tools and technologies will help ensure that the CPP does not raise reliability risks. Is this a certainty, or is there a need for concern? This panel will give national experts and those from operating regions around the country who are also conducting their own analyses a chance to respond in open dialogue about what regulators should expect under the CPP.

Moderator: *Commissioner Emeritus Kelly Speakes-Backman, Maryland*

Panelists:

- *Sue Tierney, Senior Advisor, Analysis Group*
- *Gerry Cauley, President and CEO, NERC*
- *Dr. Vijay Satyal, Sr. Energy Policy Analyst, WECC*
- *J.T. Smith, Director of Policy Studies, MISO*
- *Wes Yeomans, VP of Operations, NY ISO*



NARUC 2015

Summer Committee Meetings

Energy Resources and the Environment (continued)

Committee on Energy Resources and the Environment
Tuesday, July 14, 2015

Lyceum –5th

2:45 PM

Customer and Utility Benefits and Costs for Different Types of Solar

Customer-sited photovoltaic systems (on-site PV), community shared solar and central station facilities provide utilities and customers an array of choices for adopting solar generation. State public service Commissions must determine whether one or more of these resources is in the public interest, but these solar options bring different types of benefits and costs to both the utility and its customers. Each may serve different policy goals as well. For example, on-site PV systems allow customers to generate their own energy, but in many States that electricity may not provide significant system benefits such as reducing peak energy demand or providing reliable capacity. Central station solar facilities, which can use PV or concentrating solar technologies, provide lower cost solar electricity but may not sustain local solar industries or meet customers' interest in generating their own power. Additionally, the challenges of building high voltage transmission may influence the policy choice of selecting distributed generation over central station facilities. Shared solar facilities offer some of the savings of larger scale projects while also providing for individual ownership that some customers seek. This panel explores the different costs and benefits of each of these solar options and how they affect the economics of solar for the utility and for customers. Panelist will discuss approaches to quantifying the different system benefits as well as costs when assessing the public interest of those options in light of different policy goals.

Moderator: *Hon. Joshua Epel, Colorado*

Panelists:

- *Dan Arvizu, Director, NREL*
- *Paul Bowers, CEO, Georgia Power Company*
- *Julia Hamm, President & CEO, Solar Electric Power Association*

4:00 PM

UN Climate Change Conference Joint Meeting: International Relations and Electricity

Westside 3&4

All eyes will be on Paris in December, when the nations of the world gather for the 2015 United Nations Climate Change Conference. The conference goal is to craft a legally binding and universal agreement on climate. Any agreement that emerges – or the absence of an agreement – will have an impact on US energy policy and utility regulation. We will hear from David Sandalow, Inaugural Fellow at Columbia University's Center on Global Energy Policy and former Assistant Secretary of Energy for Policy & International Affairs, about the preparations for the conference, the key issues likely to arise and the expectations for an end result. We will also hear from Karl Hausker from the World Resources Institute, who will discuss his recent paper called "Delivering on the U.S. Climate Commitment: A 10-Point Plan Toward a Low-Carbon Future."

Moderator: *Hon. Robert Kenney, Missouri*

Panelists:

- *David Sandalow, Inaugural Fellow, Center on Global Energy Policy*
- *Karl Hausker, Senior Fellow, WRI*

Committee on Energy Resources and the Environment
Wednesday, July 15, 2015

Broadway

9:00 AM

Strategies for expediting pipeline and power line construction. Joint Meeting with Committee On Gas (See agenda on page 25)



NARUC 2015

Summer Committee Meetings

Gas

Staff Subcommittee on Gas

Sunday, July 12, 2015

1:00 PM–5:00 PM

Westside 1&2–5th

1:00 PM

State by State Overview

This time is reserved for each of the group's State representatives to give an update of recent developments in their State as well as upcoming initiatives of interest to the natural gas industry.

1:15 PM

GTI Presentation

1:30 PM

New opportunities for small scale LNG facilities in power generation and beyond

Mary Usovicz, VP of Business Development at TRC Companies

2:30 PM

Methane Panel

Moderator: *Andreas Thanos*, Massachusetts

Panelist: *Christopher Freitas*, DOE; Environmental Defense Fund

Ken Costello, NRR.

3:30 PM

AGA & LDC Pipeline Infrastructure national best practices

4:45 PM

FERC Overview

Subcommittee and Staff Committee on Pipeline Safety (Commissioners/Staff only)

Sunday, July 12, 2015

1:00 PM–5:00 PM

Wilder–4th

Agenda to be distributed at meeting



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NARUC 2015

Summer Committee Meetings

Gas

Committee on Gas
Monday, July 13, 2015

9:00 AM–5:00 PM

Broadway/Westside 1&2

9:00 AM

General Session: Financing the Future

Broadway

10:45 AM

Long term contracts 111(d)– Meeting infrastructure & delivery in a carbon restrained world

Natural Gas for Baseload Power: Regulatory Strategies to Promote Price Certainty
Changes in the natural gas market are leading to more opportunities to contract for natural gas delivery over a long time horizon. On this panel we will explore:

- the benefits and risks of long-term arrangements for natural gas;
- what long-term contracts can mean for producers, utilities and ultimately the consumer;
- what regulatory strategies need to be in place to enable long-term arrangements; and
- what commissioners can do to ensure participation and a diverse set of proposals so their consumers can benefit

Moderator:

Hon. Julie Fedorchak, North Dakota

Panelists:

Hon. Eric Skrmetta; Louisiana

Gary Smith; Director of Rates and Regulatory Affairs, Atmos Energy

Jim Tramuto; Vice President, Government & Regulatory Strategies, Southwestern Energy

Kamal Patel; Senior Fixed Income Analyst, Utility & Power, Wells Fargo

1:15 PM

ROE/ Wall Street–investment

Natural gas LDCs are increasingly being called upon to make significant investments in infrastructure for replacement of infrastructure no longer fit for service, for expansion projects to meet consumer demands for service in unserved and underserved areas, addressing issues resulting from growing gas–electric dependencies, as well as many other key areas. This is placing tremendous pressure on capital expenditures and is resulting in more frequent rate cases, in which utilities are seeking innovative rate mechanisms that will better facilitate, accelerate or support investment needs. This session will contain an in–depth look at current regulatory frameworks, capital structures and ROE related issues to determine the current state of play and. What changes, if any, might be needed in order to ensure natural gas LDCs are adequately situated to meet important investment demands.

Moderator: *Hon. Stan Wise*, Georgia

Panelists:

Lillian Federico; President, SNL, Regulatory Research Associates

Jim Hepstead; Associate Managing Director, Global Project & Infrastructure Finance



NARUC 2015

Summer Committee Meetings

Gas (continued)

Committee on Gas
Monday, July 13, 2015

Westside 1&2

2:30 PM

Gas Choice Panel – Competitive Alternatives to Traditional Natural Gas Offerings

Natural gas abundance and affordability have helped reinvigorate interest of consumers in natural gas. Since the 1990's many States have moved forward with competitive retail markets in natural gas shifting the traditional paradigm of regulated monopoly services which are burdened with repetitive PGC or GCR filings. With regulated services customers are subject to under recoveries, true ups and other adjustments which make it impossible for consumers to understand the true costs of the natural gas services they purchase. With 'gas choice', customers are empowered to select the price and term of agreement which best serves their needs, having full confidence that the 'price' they pay is transparent and as a result of consumer preferences continue to drive innovation. Additionally, as technologies develop, consumers have enhanced access to information offered by State agency and company websites, electronic advertisements and other means to become more knowledgeable and engaged in the energy marketplace. Gas choice also enables customers to receive a diverse range of complementary products and services bundled with their gas service including energy efficiency, smart thermostats, in-home CNG refueling units, renewable energy, and home protection –many of which help customers use and consume energy more efficiently. Summarily, as competition and gas choice continue to evolve, consumer preference will drive the continued development of innovative products enabling customers to further control their energy future."

Moderator: *Hon. Diane X. Burman*, New York

- *Hon. Beth Trombold* - Ohio
- *Jeff Murphy* - Dominion East Ohio Vice President
- *Tami Wilson* Chief Finance & Risk Officer
- *Geoff Duda* - Direct Energy

4:00 PM

Gas Situation Awareness

Presentation by *Jim Marean* followed by discussion led by the *Hon. Diane Burman*



NARUC 2015

Summer Committee Meetings

Gas (continued)

Committee on Gas
Tuesday, July 14, 2015

9:00 AM – 5:00 PM

Broadway/Westside 1&2 – 5th

9:00 AM
10:30 AM

General Session: Big Issues in the Big Apple
Pipeline – Legislative proposal & underserved rural areas\replacement, etc.

Broadway

This panel will provide a briefing and update on the proposed NARUC legislative language that has been given to Congressional staff for inclusion in the upcoming pipeline safety reauthorization legislative process. The panel will explain what is in the proposal and why NARUC is requesting Congressional consideration.

Moderator:

- *Hon. Paul Roberti*, Chair of NARUC Subcommittee on Pipeline Safety
- *Randy Knepper*, Chair of NARUC Staff Subcommittee on Pipeline Safety

1:15 PM
2:45 PM

Business Meeting
Furnace Rule– Joint with Consumer Affairs

Energy Efficiency is on the front burner for Utilities, Regulators, Consumer Advocates, Low Income Advocates, and all Consumers themselves. There are new programs, ideas and standards being circulated on a daily basis. The goal of this panel is to take a close look at the issues surrounding the new high efficiency furnace standards from DOE. Cost, installation, examination of the data behind the new standards and more will be discussed. We all want to know what we are offering the consumer and what the end value of the energy efficiency proposal will offer them.

Moderator:

Hon. Betsy Wergin, Minnesota

Panelists:

- *Suzanne Stanley*, Contractor advisors, Low Income Consumer Representative
- *David Weaver*, AGL Resources, Vice President
- *Craig Dowdy*, LaCleda, SVP External Affairs Marketing and Communications
- *Neil Leslie*, Gas Technology Institute

4:00 PM

A Review of the Quadrennial Energy Review and ARPA-E's Methane Emission Detection Technology Program

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 the findings and implications for the natural gas sector. Dr. Wilson will report on ARPA -E's new MONITOR program will help the oil and gas sector reduce methane emissions and build a more sustainable energy future. The program will make up to \$30 million available to help U.S. teams develop low-cost, highly-sensitive systems that detect and measure methane associated with the production and transportation of oil and natural gas. If successful, MONITOR's technologies could accurately and cost-effectively measure methane emissions and provide a detection network to mitigate the release of this greenhouse gas into the atmosphere.

Panelists:

- *Dr. James Bradbury*; Senior Policy Advisory for Climate Environment and Efficiency in the Office of Energy Policy and Systems Analysis at the U.S. Department of Energy
- *Dr. Bryan Wilson*; Program Director at the Advanced Research Projects Agency-Energy (ARPA-E)



NARUC 2015

Summer Committee Meetings

Gas (continued)

Committee on Gas

Wednesday, July 15, 2015

9:00 AM - 11:45 AM

Westside 1&2

9:00 AM

Strategies for expediting pipeline and power line construction. Joint Meeting with Committee on Electricity and Committee on Energy Resources and the Environment

The release of the EPA final rule on 111(d) is expected in late summer and with it, compliance requirements and interim targets that may require accelerated infrastructure expansion. Given the long lead time traditionally needed for pipeline and power line planning, siting and construction, are there strategies and best practices for minimizing delays while still allowing public input? This panel will explore multiple issues, such as: Is it possible to cooperate across multiple federal and State agencies as well as minimize the challenges of building infrastructure that potentially crosses several States? How does geography impact the kinds of issues that the local public would bring into the conversation about where to put power lines? Is there a way to encourage State government to plan transmission rights-of-way into their highway planning? Are there any reliability concerns by putting too many power lines in the same corridor? Why aren't more pipelines being built given the rash of recent rail accidents involving transportation of oil?

Moderator: *Hon Ted Thomas, Arkansas*

Panelists:

- *Kristi Wise*, Project Manager – Environmental Studies and Permitting, , Burns & McDonnell
- *James W. Haggerty*, Regulatory Program Manager –North Atlantic Division, USACE
- *James Nicholas*, Electric Transmission Siting and Permitting Program Manager, CH2M Hill
- *Carl Zichella*, Director Western Transmission, NRDC

10:30 AM

General Session: Impact of Telecom Technology and Policy on the Energy and Water Sectors

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NARUC 2015

Summer Committee Meetings

International Relations

Committee on International Relations (closed 1:00 – 2:15)

Sunday, July 12, 2015

1:00 PM - 4:30 PM

Majestic/Lyceum

1:00 PM

Working session

Majestic

COMMITTEE AND STAFF SUBCOMMITTEE MEMBERS ONLY.
Review staff draft paper on NARUC international programs.

2:30 PM

No Utility Regulator is an island: Energy Reform and Regulation in Puerto Rico Lyceum

This panel discussion will look at challenges faced by island economics—specifically Puerto Rico and Hawaii. In this session, we will hear from the Chair of the Puerto Rico Commission about how the Commonwealth is addressing those challenges through recent regulatory energy reforms. Hawaii Commissioner Michael Champley will provide additional insights on how Hawaii is continuing to overcome island-related challenges.

Moderator: *Hon. Francisco Salazar*, Mexico

Panelists:

- *Hon. Agustin Carbo-Lugo*, Puerto Rico
- *Hon. Michael Champley*, Hawaii

4:00 PM

Energy Reform in Mexico: The View from North of the Border

Lyceum

For the past year, the Committee on International Relations has been following the progress of energy reform in Mexico. Today, we will hear a unique U.S. perspective on those reform efforts from Amb. Carlos Pascual, who served both as the American ambassador to Mexico and a special envoy for international energy affairs.

Committee on International Relations

Tuesday, July 14, 2015

4:00 PM - 5:00 PM

Westside 3-4

4:00 PM

UN Climate Change Conference

Joint Meeting: International Relations and Electricity

All eyes will be on Paris in December, when the nations of the world gather for the 2015 United Nations Climate Change Conference. The conference goal is to craft a legally binding and universal agreement on climate. Any agreement that emerges – or the absence of an agreement – will have an impact on US energy policy and utility regulation. We will hear from David Sandalow, Inaugural Fellow at Columbia University's Center on Global Energy Policy and former Assistant Secretary of Energy for Policy & International Affairs, about the preparations for the conference, the key issues likely to arise and the expectations for an end result. We will also hear from Karl Hausker from the World Resources Institute, who will discuss his recent paper called "Delivering on the U.S. Climate Commitment: A 10-Point Plan Toward a Low-Carbon Future."

Moderator: *Hon. Robert Kenney*, Missouri

Panelists:

- *David Sandalow*, Inaugural Fellow, Center on Global Energy Policy
- *Karl Hausker*, Senior Fellow, WRI



NARUC 2015

Summer Committee Meetings

Telecommunications

Staff Subcommittee on Telecommunications
Sunday, July 12, 2015

9:00 AM - 5:00 PM

Julliard –5th

9:00 AM Joint Board Reports

- Separations – *George Young*, Vermont
- Universal Service – *Labros Pilalis*, Pennsylvania

9:15 AM Subgroup Reports

- Federal Regulation & Legislation – *Joe Witmer*, Pennsylvania
- State Regulation – *Lynn Notarianni*, Colorado
- Consumer Issues –
- Technology & Service Quality – *Jeff Richter*, Wisconsin
- Numbering – *Bonnie Johnson*, Minnesota
- Cybersecurity – *John McClain*, Department of Homeland Security

9:30 AM Reports by National Representatives

- FCC Report – *Phillip Rosario*
- NTIA Report – *Maureen Lewis*
- RUS Report – *Sami Zarour*
- NANC Report – *Cary Hinton*
- PSHSB Report – *TBD*

10:15 AM Networking Break

10:30 AM Best Social Media Strategies w/CA

From Twitter to Facebook to Instagram, customers of all ages and backgrounds use social media to keep informed. With the best intentions, messaging through these tools can quickly spiral out of control if used incorrectly. What social media practices for utility companies and public service commissions work best, considering their different goals for customer engagement?

Moderator: *Cynthia Muir*, Director–CAO, Florida

Panelists: *Liz Matthews*, Social Media Strategist, Con Edison

Maisha Walker, President, Message Medium

Michael Corso, Chief Consumer Advocate, New York

Patrick Steller, US Digital Communications Manager, National Grid

Selim Bingol, Senior Vice President, Corporate Communications, Duke Energy

William Johnston, Telecommunications Advisor, California

12:00 PM Lunch (on your own)

1:15 PM CAF II – Model Support for ROR Carriers

Moderator – *Joe Witmer*, Pennsylvania

2:30 PM Networking Break



NARUC 2015

Summer Committee Meetings

Telecommunications (continued)

Staff Subcommittee on Telecommunications
Sunday, July 12, 2015

Julliard –5th

2:45 PM

LinkNYC

LinkNYC is a first-of-its-kind communications network that will bring the fastest available municipal Wi-Fi to millions of New Yorkers, small businesses, and visitors. The five-borough LinkNYC network, which will be funded through advertising revenues, will be built at no cost to taxpayers and will generate more than \$500 million in revenue for the City over the first 12 years.

The aging network of public pay telephones are a less than utilized form of communication and an eye sore on the community. The challenge of this project was to design, manufacture, install, and operate a state of the art networked communication system that will bring the latest technology to bear to facilitate the lives of New Yorkers and visitors from around the world and provide the fastest WiFi connectivity for free. Partners include New York City, Qualcomm Incorporated, Titan360, Control Group, COMARK Corporation, and Antenna Design (Product Industrial Design).

Benefits include:

- Improved street side appearance with a state of the design and technology.
- 911 and 311 access for public information and safety.
- Improving Socio-economic parity for all residents and businesses.
- Improved quality of life for NYC residents and visitors via free internet access and state of the art WiFi service.
- A facility for location manufacturing and production will be established in NYC for the LinkNYC structures.
- Creation of 100 to 150 new full-time jobs in manufacturing, technology and advertising.
- An estimated 650 support jobs in NYC.
- A new revenue stream for NYC.

Presenter: *Kiva Allgood*, Vice President, Business Development, Qualcomm

3:15 PM

Next Generation 911 (NG9-1-1) – Educational Session

MOVING FROM LEGACY 9-1-1 to NEXT GENERATION 9-1-1

What does the journey from legacy 9-1-1 to next generation 9-1-1 look like? What are the elements and what is the end-state architecture envisioned by the NENA i3 standard? What advanced communications technologies beyond traditional voice-centric devices will the citizens of your State be using to obtain emergency assistance?

Moderator: *Lynn Notarianni*, Colorado

Presenter: *Mike Nelson*, Senior Technical Officer, Intrado

4:15 PM

Final Resolution Discussion

5:00 PM

Adjourn for the Day



NARUC 2015

Summer Committee Meetings

Telecommunications (continued)

Committee on Telecommunications

Monday, July 13, 2015

9:00 AM - 5:00 PM

Broadway/Julliard-5th

9:00 AM

General Session: Financing the Future

10:45 AM

Number Portability Vendor Transition

Julliard

The North American Numbering Council has recommended that the FCC award the Local Number Portability Administration (LNPA) contract, currently held by NeuStar, to Telcordia, following a competitive bidding process. The transition of the LNPA contract is of interest to a number of stakeholders, including States (who have primary responsibility for area code administration), carriers (who interface with the LNPA database to port numbers and route calls), and consumers (who rely on the dependability of the database). Panelists will discuss the process and history preceding the recommendation, the transition plan, concerns from security and law enforcement, and possible solutions to those concerns.

Moderator: *Hon. Ronald A. Brise*, Florida

- Rear Admiral, USN (ret) *David G. Simpson*, Bureau Chief, FCC Public Safety & Homeland Security
- *Matthew DelNero*, Bureau Chief, FCC Wireline Competition Bureau
- *Todd Daubert*, Counsel to the North American Portability Management LLC

1:15 PM

Who should Fix the Gaps in E911 Governance as we move toward IP Networks

The FCC, led by the Bureau of Homeland Security and Public Safety, published earlier this year a comprehensive rulemaking asking participants in the E911 ecosystem to address multiple issues of 911 governance and oversight as the systems evolve to Next-Generation 911 systems based on IP networks. The initial and reply comment rounds have ended, and the Bureau now has a robust record on which to proceed. Part of the impetus for this rulemaking was the sunny day outage of 911 systems in Washington State and multiple States in April, 2014, but other outages have occurred in PSAPs in other States as well. Issues addressed in the rulemaking are broad and involve many issues spanning the PSAPs at the county or metropolitan level, State agencies including PUCs, and the FCC at the federal level. They include how to improve wide-area situational awareness among PSAPs and the States and the FCC, how to define a major outage which may trigger certain responses, and how to address the regulatory gaps between the counties, States, and the FCC. We will hear from Admiral Simpson, the Bureau Chief, who has led this comprehensive effort for *Chairman Wheeler* and the FCC, and from three respondents active in the 911 ecosystem.

Moderator: *Hon. Philip B. Jones*, Washington

- Rear Admiral, USN (ret) *David G. Simpson*, Bureau Chief, FCC Public Safety & Homeland Security Bureau
- *Don Brittingham*, Vice President Public Safety Policy, Verizon
- *Jeffrey S. Cohen*, Chief Counsel and Director of Government Affairs, APCO International
- *Brian Fontes*, Executive Director, National Emergency Numbering Association
- *Dorothy A. Spears-Dean*, Ph.D, Public Safety Communications Coordinator, Virginia Information Technologies Agency, on behalf of NASNA Executive Committee



NARUC 2015

Summer Committee Meetings

Telecommunications (continued)

Committee on Telecommunications

Monday, July 13, 2015

Julliard-5th

2:30 PM **Lifeline Reform with FCC Commissioners**
Joint Meeting: Committee on Consumer Affairs

Federal Communications Commissioners Clyburn and O’Rielly will discuss their views on reforming Lifeline. The FCC’s Lifeline Program is a 20th Century government program aimed at spreading a 19th Century technology, voice service. There is great debate about how best to provide America’s low income communities with greater access to 21st Century broadband communications services. Today, while 96% of households have voice telephone service in the United States, millions continue to lack access to modern high-speed wired and wireless broadband services. Re-tooling the Lifeline Program to include broadband will empower consumers of limited economic means with the modern tools necessary to tackle the challenges of modern life. We’ve invited the Commissioners to discuss their thoughts on how to accomplish this reform.

Moderator: *Hon. Crystal Rhoades, Nebraska*

- *Hon. Mignon Clyburn, Federal Communications Commission*
- *Hon. Michael O’Rielly, Federal Communications Commission*

4:00 PM **CSRIC Working Group 4 Paper**
Joint Meeting: Committee on Critical Infrastructure

Moderator: *Hon. Pamela A. Witmer, Pennsylvania*

- *Hon. Philip B. Jones, Washington*
- *Rear Admiral, USN (ret) David G. Simpson, Bureau Chief, FCC Public Safety & Homeland Security Bureau*
- *Chris Boyer, Assistant Vice President Global Public Policy, AT&T*
- *Donna Dodson, Associate Director & Chief Cyber Security Advisor & Director, National Cybersecurity Center for Excellence, NIST*
- *Robert Mayer, Vice President Industry & State Affairs, US Telecom*

Committee on Telecommunications

Tuesday, July 14, 2015

9:00 AM - 5:00 PM

Broadway/Julliard 5th

9:00 AM **General Session: Big Issues in the Big Apple** **Broadway**

10:30 AM **How Does Rural Broadband Feed the World?** **Julliard**
Joint Meeting: Committee on Consumer Affairs.

This panel will discuss how broadband is used in rural America to feed the world more efficiently and drive the U.S. economy.

Moderator: *Hon. Tim Schram, Nebraska*

Panelist:

- *Hon. Chris Nelson, South Dakota*
- *Robert C. Goodling, Jr., Extension Associate, Penn State Extension*
- *Charles Hibberd, Dean and Director of Extension, University of Nebraska-Lincoln*
- *Matt Larsen, CEO, Vistabeam*
- *Brian Thomason, CEO, Blue Valley Tele-Communications*



NARUC 2015

Summer Committee Meetings

Telecommunications (continued)

Committee on Telecommunications
Tuesday, July 14, 2015

Julliard 5th

1:15 PM **Business Meeting**
2:45 PM **New York's Telecommunications Study**

With the emergence of broadband and technological convergence, the landscape in telecommunications is changing so regulators have to look at what's next? The New York State Department of Public Service is working on a study providing an overview of the current landscape of telecommunications network deployment and service availability. The assessment reviews the different communications technologies being deployed, e.g., traditional circuit switching, Internet protocol, optical carrier, cable TV, cellular, etc., in the provision of voice, video and broadband services, evolving consumer demands and the levels of competition in the markets for those services. The panel will discuss New York's study and examine what comes next when it comes to regulatory issues like copper retirement or abandonment. Discussion will focus on how technological changes can disrupt regulatory regimes and what should be done to promote investment in advanced technology while protecting consumers during transitions and convergence taking place in the industry.

Moderator: *Hon. Gregg C. Sayre*, New York
Panelist: *Michael J. Santorelli*, Director, Advanced Communications Law & Policy Institute,
New York Law School

4:00 PM **Wall Street Analysts**

Twenty years ago, the telecom sector was on the verge of undergoing significant change as the Telecom Act of 96 was unfolding...by in large the industry was relatively easy to understand. There were a few big national and regional players and a healthy dose of smaller rural carriers, all doing the same thing...providing plain old telephone service and trying to figure out what the next steps should be. In just two decades the changing landscape of regulation coupled with rapid technological advances and the deployment of those advances have turned the telecom sector into something no one could have imagined. Looking ahead, we will no doubt be saying the same thing.

Today's panel seeks to assess where we are today and how it is evolving...and more importantly, how the investment community is responding. This panel will also explore what is pushing change and how uncertainty at the regulatory level is factoring into the investment picture.

Moderator: *Hon. Paul Kjellander*, Idaho

- *Simon Flannery*, Managing Director, Morgan Stanley
- *Frank Louthan*, Raymond James
- *Craig Moffett*, Partner and Senior Research Analyst, MoffettNathanson
- *Sheldon C. Peterson*, Chief Executive Officer, National Rural Utilities Cooperative Finance Corporation (CFC)



NARUC 2015

Summer Committee Meetings

Telecommunications (continued)

Committee on Telecommunications

Wednesday, July 15, 2015

9:00 AM-11:45 AM

Julliard– 5th Floor/Broadway - 6th

9:00 AM

Net Neutrality – Noxious or Needed?

Julliard

After years of failed attempts to establish net neutrality via other regulations, the FCC in March issued the Open Internet Order. In this session, panelists will discuss the implications of the FCC's order for both State and Federal regulators; the legal arguments, prospects, and progress with the ongoing appeal of the FCC's order; and wind up with a short discussion of the likelihood of Congressional legislation of any kind on the topic.

Moderator: *Hon. Chris Nelson*, South Dakota

- *Matthew Brill*, Attorney, Latham and Watkins LLP
- *Earl W. Comstock*, Attorney, Eckert, Seamans, Cherin & Mellott LLC
- *Joe Gillan*, President, Gillan & Associates
- *James Bradford Ramsay*, General Counsel, NARUC
- *Matt Wood*, Policy Director, Free Press

10:30 AM

General Session: Impact of Telecom Technology and Policy on the Energy and Water Sectors

Broadway

Wednesday, July 15, 2015

12:15 PM

4:30 PM

Julliard–5th

Best Practices in Changing Times – Three Panels on Broadband Availability, Adoption and Innovation

This meeting is not part of the NARUC Summer Committee Meetings agenda. It has been organized by representatives of the 706 Joint Conference. It is an open meeting. No registration is required.



NARUC 2015

Summer Committee Meetings

Water

Committee on Water
Monday, July 13, 2015

9:00 AM - 5:00 PM

Broadway/O'Neill

9:00 AM **General Session: Financing the Future** **Broadway**

10:45 AM **Take it to the Bank: An Update on the EPA Finance Project** **O'Neill**

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?

Participant:

- *Jim Gebhardt*, Senior Advisor on Water Finance, U.S. Environmental Protection Agency

1:15 PM **All's Dry on the Western Front: The Western Drought**

As drought conditions persist in the western United States, States are responding with State-specific actions and regional coordination efforts. The panel will provide an overview of the efforts being undertaken by State and regional bodies and will discuss the challenges faced by rate regulators.

Moderator: *Hon. Susan Bitter Smith*, Arizona

Participants:

- *James Ogsbury*, Executive Director, Western Governors' Association
- *Raminder Kahlon*, Director, Division of Water and Audits, California Public Utilities Commission

2:30 PM **Afraid of Math? Take a Number**

The biggest source of errors in writing—whether technical, public relations/news releases or news articles/social media—is numbers. It could be confusing millions with billions, calculating percentage of changes incorrectly, confusing percent with percentage points or using arcane terms such as acre feet of water. Numbers have been baffling readers for years. This seminar—which takes word-for-word examples from some of the nation's best news publications—aims to correct that by providing samples of some of the most common problems and the solutions to them.

Participant:

- *Rich Holden*, former Executive Director, Dow Jones News Fund

4:00 PM **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 Winter Meetings. 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

Summer Committee Meetings

Water

Committee on Water

Tuesday, July 14, 2015

9:00 AM - 5:00 PM

Broadway/Westside/O'Neill-4th

9:00 AM

General Session: Big Issues in the Big Apple

Broadway

10:30 AM

American Water Works Association's EE Initiative: Targeting State Compliance with EPA's Clean Power Plan

Joint Meeting: ERE, Electricity and Water

Westside 3&4

The U.S. EPA's currently proposed Clean Power Plan rule could bring both increased power costs and energy efficiency incentives to the water sector while transforming the electricity sector. Understanding how the plan would work could provide opportunities for maximizing savings. This session will provide federal, State, and utility perspectives.

American Water Works Association will provide a strategic response to the proposed rule. EPA's Office of Water will provide thoughts on the energy efficiency opportunities in the water sector. The New York Department of Environmental Protection, an operator of a large municipal water and wastewater treatment plant, will discuss its experience trying to qualify for utility energy efficiency (EE) funding and credits for capital improvements. And American Water, one of the largest private water companies in the U.S., will describe its company-wide benchmarking analysis of its pumps and motors to measure the EE potential across multiple facilities in many States, its state-of-the-art pilot projects, and other opportunities for carbon reductions.

Moderator: *Hon. Susan Bitter Smith, Arizona*

Panelist:

- *Alan Roberson, Director of Federal Relations, American Water Works Association*
- *Anthony Fiore, Director, New York Department of Environmental Protection*
- *Bill Varley, Sr. VP Northeast Division, President NJ and NY, American Water*
- *Mike Shapiro (invited), Office of Water, EPA*

1:15 PM

Counting Beans: The NARUC System of Accounts for Water Utilities

O'Neill

The Staff Subcommittee on Accounting and Finance will discuss the NARUC System of Accounts for water utilities. Should the uniform system of accounts be updated? If so, the Staff Subcommittee on Accounting and Finance would like to work with the Committee on Water on updating the water utility system of accounts.

Participants:

- *Dolores A. Midkiff-Powell, Financial Analysis and Audit Manager, Michigan Public Service Commission*
- *Terri Carlock, Deputy Administrator Utilities Division, Idaho Public Utilities Commission*

1:45 PM

Who Wants to Trade?: An Update on EPRI's Water Quality Trading Program

Jessica Fox, Technical Executive, EPRI, will provide an update on EPRI's Water Quality Trading Project, initially launched in the Ohio River Basin, and an overview of EPRI's Nutrient Management Program. The recent winner of the 2015 US Water Prize, Ms. Fox's briefing will also address the work she is leading to develop EPRI's Sustainability Maturity Model.

- *Dr. Jessica Fox, Technical Executive, Environment, Electric Power Research Institute*



NARUC 2015

Summer Committee Meetings

Water (continued)

Committee on Water
Tuesday, July 14, 2015

O'Neill-4th

2:45 PM

Price is What you Pay, Value is What you Get: The Value of Water

Water is a valuable, and in some areas, a dwindling resource. How should the value of water be communicated to ratepayers? Who should that message come from? How do utilities and regulators effectively communicate and educate ratepayers of the rate consequences of conservation efforts?

Moderator: *Hon. John E. Howard*, South Carolina

Participant:

- *Radikha Fox*, Director, Value of Water Coalition

4:00 PM

There's a Screw Loose: The Ratemaking Toolbox

As water quality, water scarcity, wastewater reuse, infrastructure replacement, and other issues have gained prominence, rate regulators have faced challenges in addressing these issues with traditional ratemaking tools. In recent years, the regulators toolbox has been augmented in many jurisdictions with innovative ratemaking and planning tools to address these new and challenging issues. The panel will provide an overview of some of those tools and discuss other ideas to address current challenges.

Moderator: TBA

Participants:

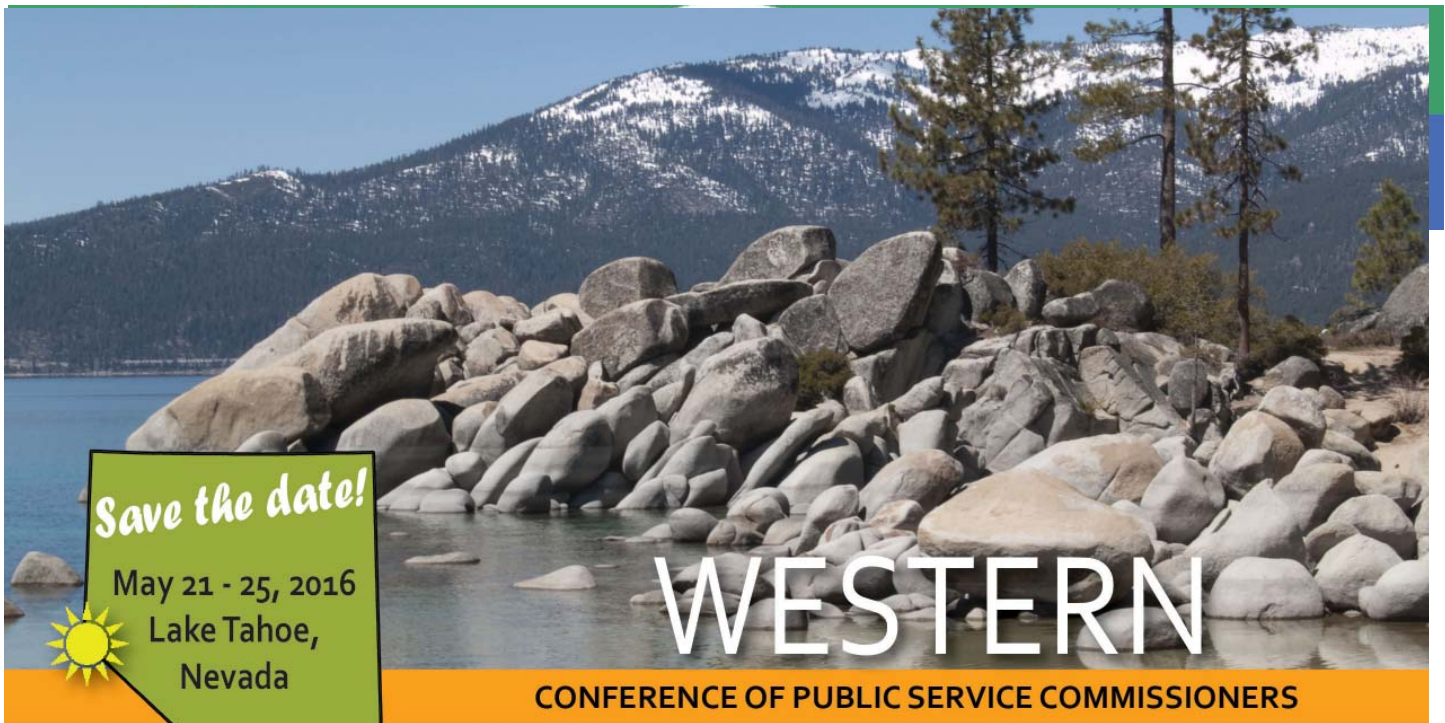
- *Lisa Sparrow*, President and CEO, Utilities, Inc.
- *James Jenkins*, Vice President Regulatory and Public Policy, American Water
- *Jennie Lingo*, Economic Analyst, Florida Public Service Commission

Committee on Water
Wednesday, July 15, 2015

10:30 AM-11:45 AM

Broadway - 6th

10:30 AM General Session: Impact of Telecom Technology and Policy on the Energy and Water Sectors



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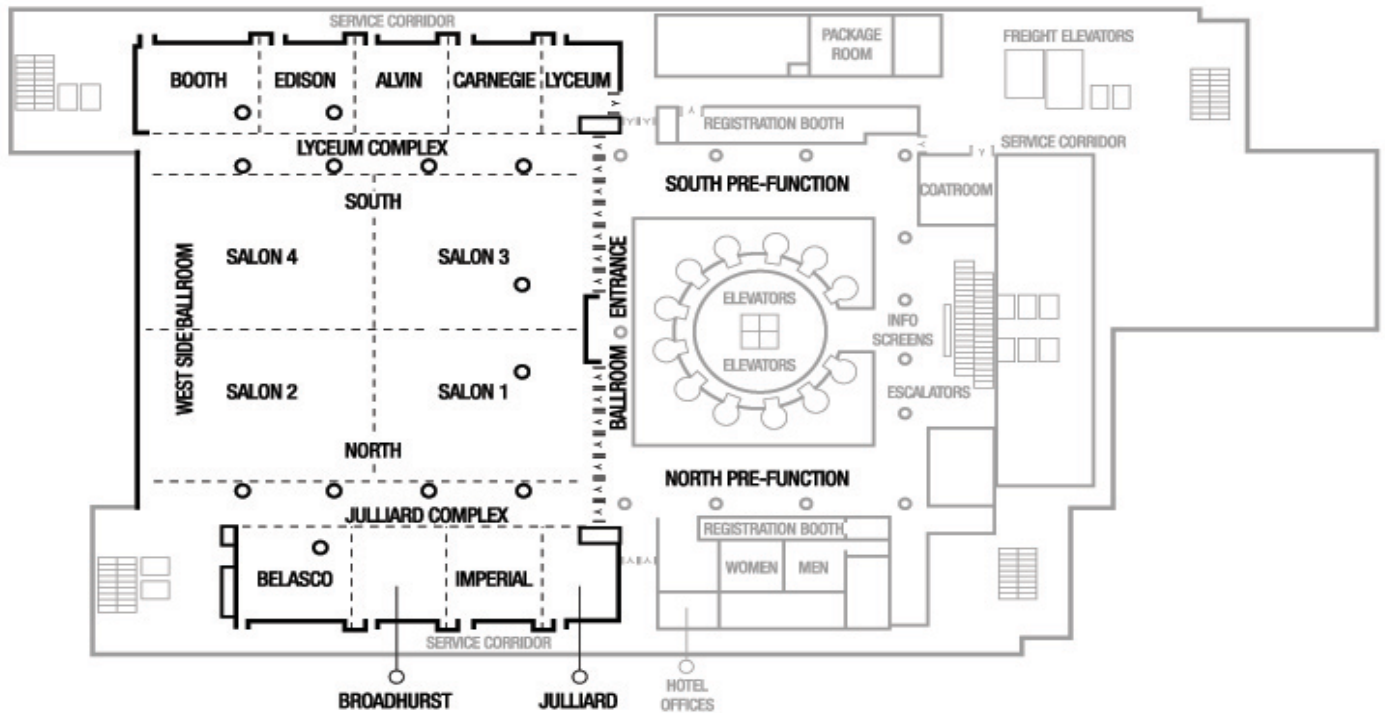
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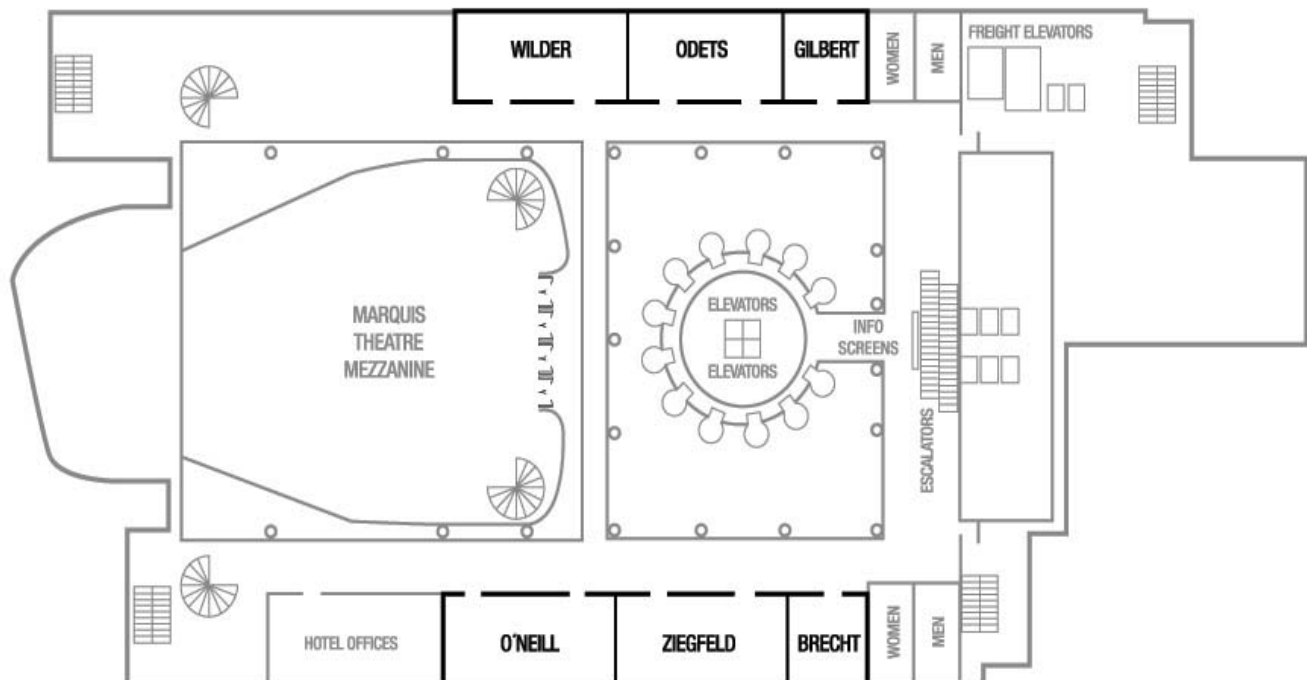
NARUC 2015

Summer Committee Meetings

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FOURTH FLOOR

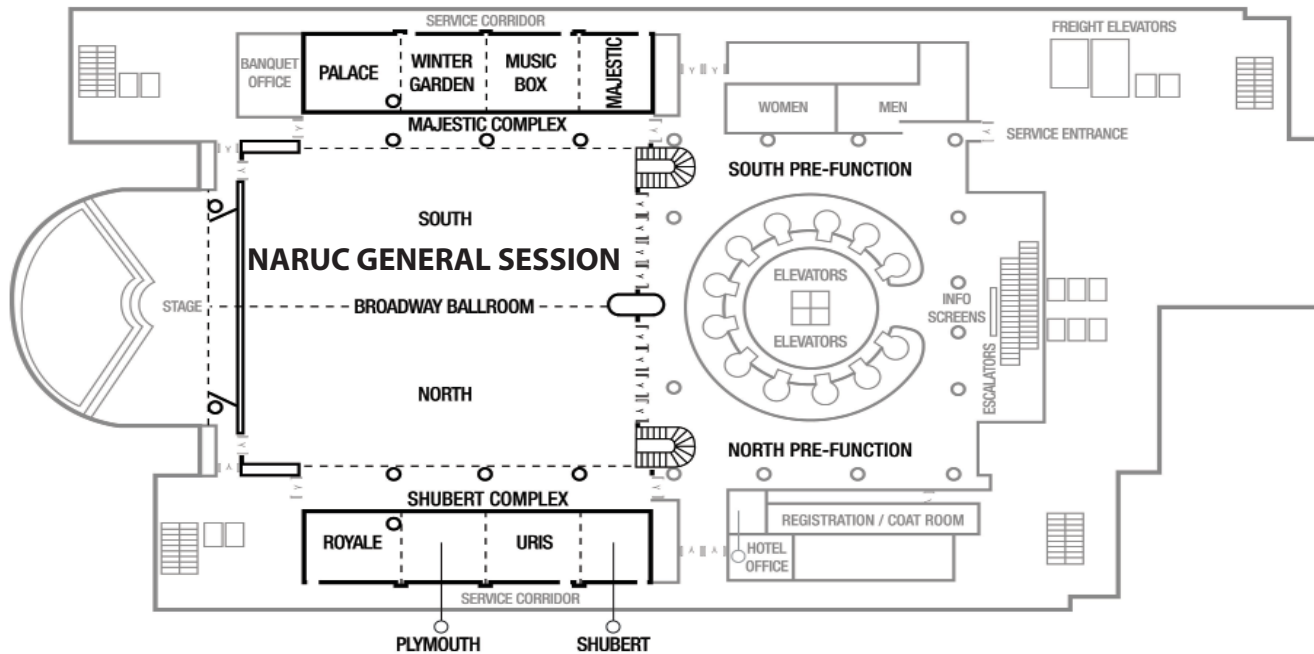




NARUC 2015

Summer Committee Meetings

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Notes



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