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NARUC

ANNUAL MEETING

November 16-19, 2014

San Francisco Marriott

San Francisco, CA





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NARUC
126th Annual Meeting



Table of Contents

General Information	2
Program at a Glance	4
Annual Meeting Program	6
Sponsors	18
Board of Directors.	22
Consumer Affairs	26
Critical Infrastructure	28
Electricity	29
Energy Resources & Environment	32
Gas	33
International Relations	36
Telecommunications	38
Water	41
CLE Information.	44
Future Meetings	48
NASUCA Meeting	49
Hotel Floor Maps	53



2014 NARUC Officers

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President
Arkansas Public Service Commission

Lisa Polak Edgar
First Vice President
Florida Public Service Commission

David E. Ziegner
Treasurer
Indiana Utility Regulatory Commission

Charles D. Gray
Executive Director
National Association of Regulatory Utility Commissioners



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126th Annual Meeting



General Information

Hotel Information

San Francisco Marriott Marquis
780 Mission Street
San Francisco, CA 94103
tel: (415) 896-1600
fax: (415) 486-8601

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

Program Printing

This program was printed using information as of October 30. Some information may have changed.



NUCLEAR ENERGY INSTITUTE

Continental Breakfast

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

Messages

Attendees can be reached during business hours by calling the NARUC registration desk at (415) 896-1600 ext. 8300. Messages can be picked up during the hours the registration desk is open.

Event Tickets

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

Suggested Attire: Business

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

Electronic Devices

In consideration of speakers and your colleagues, please turn off all cellular phones and other communication devices while in any of the sessions. Your cooperation and courtesy is appreciated.

Twitter users

Use the #NARUCAnnual hash tag when “tweeting” 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 Michelle Malloy or Rob Thormeyer for permission.



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NARUC

126th Annual Meeting



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NARUC

126th Annual Meeting



Program at a Glance

Sunday, November 16

7:30am-9:00am	Continental Breakfast	Yerba Buena Foyer
8:00am-6:30pm	NARUC Registration	Yerba Buena Foyer
9:00am-12:00pm	Staff Subcommittee on Electric Reliability (off Site 1-5pm)	Golden Gate B
9:00am-10:15am	Washington Action (closed meeting)	Yerba Buena Salon 12
9:00am-11:45am	Staff Subcommittee on Consumer Affairs	Nob Hill
9:00am-11:45am	Subcommittee on Clean Coal	Yerba Buena Salon 1-3
9:00am-11:45am	Subcommittee on Utility Marketplace Access	Golden Gate A
9:00am-4:00pm	Staff Subcommittee on Telecommunications	Yerba Buena Salon 4-6
9:00am-5:00pm	Subcommittee/Staff Subcommittee on Pipeline Safety (closed meeting)	Yerba Buena Salon 13-14
10:00am-10:15am	Networking Break	Yerba Buena Foyer
10:30am-11:45am	Task Force on Environmental Regulation & Generation (closed meeting)	Yerba Buena Salon 12
10:30am-12:45pm	New Commissioner Forum (Invitees Only)	Yerba Buena Salon 10-11
10:30am-5:00pm	Staff Subcommittee on Electricity (off site 1-5pm)	Golden Gate B
11:00am-5:00pm	Staff Subcommittee on Energy Resources & Environment (off site 1-5pm)	Golden Gate B
1:00pm-5:00pm	Committee/Staff Subcommittee on Critical Infrastructure	Golden Gate A
1:00pm-5:00pm	Committee on Consumer Affairs	Nob Hill
1:00pm-5:00pm	Committee on International Relations	Yerba Buena Salon 1-3
1:00pm-5:00pm	Staff Subcommittee on Gas (closed 4-5pm)	Golden Gate B
1:00pm-5:00pm	Staff Subcommittee on Information Services	Sierra I - 5th floor
2:15pm-2:30pm	Networking Break	Yerba Buena Foyer
3:45pm-4:00pm	Networking Break	Yerba Buena Foyer
5:00pm-6:30pm	Presidents Reception	Yerba Buena Salon 9

Monday, November 17

7:30am-9:00am	Continental Breakfast	Yerba Buena Foyer
7:30am-8:45pm	Board of Directors Meeting	Golden Gate C3
8:00am-5:00pm	NARUC Registration	Yerba Buena Foyer
9:00am-11:45am	Committee on Electricity	Golden Gate A
9:00am-11:45am	Committee on Energy Resources and Environment	Nob Hill
9:00am-11:45am	Committee on Gas	Golden Gate B
9:00am-11:45am	Committee on Telecommunications	Yerba Buena Salon 4 - 6
9:00am-11:45am	Committee on Water	Yerba Buena Salon 1- 3
9:00am-5:00pm	Staff Subcommittee on Information Services	Sierra I - 5th floor
9:00am-5:00pm	Staff Subcommittee on Law	Yerba Buena Salon 10



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125 YEARS OF
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NARUC

126th Annual Meeting



Program at a Glance

Monday, November 17 (continued)

10:15am-10:30am	Networking Break	Yerba Buena Foyer
11:45am-12:00pm	Commissioner Emeritus Business Meeting	Yerba Buena Salon 9
11:45am-1:15pm	Commissioner/Staff/Commissioner Emeritus Luncheon	Yerba Buena Salon 9
11:45am-1:15pm	OPSI Board Meeting (Invitation only)	Yerba Buena Salon 11
1:30pm-3:15pm	Opening General Session: Election of Officers	Yerba Buena Salon 7-8
3:30pm-4:45pm	Concurrent Sessions A 1-5	See agenda page 6
5:00pm-6:00pm	MACRUC Meeting (Invitation only)	Yerba Buena Salon 10
5:00pm-6:00pm	MARC Meeting (Invitation only)	Yerba Buena Salon 13
5:00pm-6:00pm	NECPUC Meeting (Invitation only)	Yerba Buena Salon 12
5:00pm-6:00pm	SEARUC Meeting (Invitation only)	Yerba Buena Salon 14
5:00pm-6:00pm	Western Meeting (Invitation only)	Yerba Buena Salon 11

Tuesday, November 18

7:30am-9:00am	Continental Breakfast	Yerba Buena Foyer
8:00am-5:00pm	NARUC Registration	Yerba Buena Foyer
8:30am-10:00am	General Session	Yerba Buena Salon 7-8
9:00am-5:00pm	Staff Subcommittee on Information Services	Sierra I - 5th floor
10:00am-10:15am	Networking Break	Yerba Buena Foyer
10:15am-11:30am	Concurrent Sessions B 1-5	See agenda page 9
11:30am-11:45am	Networking Break	Yerba Buena Foyer
11:45am-1:00pm	Concurrent Sessions C 1-5	See agenda page 12
1:00pm-2:15pm	Annual Installation Luncheon	Yerba Buena Salon 7-8
2:30pm-4:30pm	Board of Directors Meeting	Golden Gate C3
2:30pm-4:30pm	NRRI Colloquium	Sierra B - 5th floor

Wednesday, November 19

7:30am-9:00am	Continental Breakfast	Yerba Buena Foyer
8:00am-2:00pm	NARUC Registration	Golden Gate Foyer
8:30am-10:15am	Ethics Concurrent session 1	Golden Gate B
9:00am-10:15am	Concurrent Sessions D 1-3	See agenda page 14
10:30am -11:45am	General Session	Golden Gate A



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NARUC

126th Annual Meeting



Annual Meeting Program

Monday, November 17

Opening General Session and Election of Officers 1:30 pm - 3:15pm

1:30 PM **Equipped to Lead: Opening General Session and Election of Officers**
(Yerba Buena 7-8)
Welcome to the NARUC 126th Annual Meeting!
Reflection on 2013 - 2014 Year as President: Hon. Colette Honorable of Arkansas

1:50 PM **A 21st Century Framework for the Internet and Television Industry**
Michael K. Powell, former Chairman of the Federal Communications Commission and current President and CEO of the National Cable and Telecommunications Association.

2:45 PM **Election of 2014-2015 Officers and Confirmation of Board Members**
Nomination of NARUC 2014-2015 Officers
Moderator Hon. Colette Honorable - NARUC President, Arkansas
Nomination of NARUC President - Hon. Julie Brown, Florida
Second Nomination for NARUC President - Hon. Ellen Nowak, Wisconsin
Nomination of NARUC 1st Vice President - Hon. Marsha Smith, Idaho
Second Nomination of NARUC 1st Vice President - Susan Bitter Smith, Arizona
Nomination of NARUC 2nd Vice President - Hon. John Coleman, Pennsylvania
Second Nomination of NARUC 2nd Vice President - Hon. Judy Jagdmann, Virginia

3:30 PM-4:45 PM Concurrent Sessions A 1-5

3:30 PM **Strength in Numbers? Multistate Compliance With The Clean Power Plan**
(Golden Gate B)

The Environmental Protection Agency's proposed Clean Power Plan for regulating greenhouse gases could transform the power sector. Although it offers specific State goals, it also leaves open the opportunity for States to work together-but what would that look like? In this panel, attendees will learn about the options that might be available for States who choose not to go it alone. Is cap-and-trade the only option? Is there a role for regional transmission organizations for redispatch? How big a role will efficiency and renewables play? Are there models we haven't explored yet? This session will bring together a panel of experts and practitioners who will provide some insights on the possibilities.

Moderator Hon. Doug Scott - Commissioner, Illinois

Panelists Diane Munns - Senior Director of Collaboration, Environmental Defense Fund Clean Energy Program

Will Kaul - Vice President Transmission, Great River Energy

Craig Segall - Senior Staff Counsel, California Air Resources Board

Kyle Danish - Partner, Van Ness Feldman LLP



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NARUC

126th Annual Meeting



Monday, November 17

Concurrent Sessions 3:30 pm - 4:45pm

**3:30 PM Double Jeopardy: FERC-Regulated Transmission Companies and Retail Consumers
(Yerba Buena Salon 4 - 6)**

This session will explore how double-leverage capitalization employed by pure-play transmission companies can impact State-regulated retail consumers. The Federal Energy Regulatory Commission has exclusive jurisdiction over rates that such a company can charge. In this session, attendees will examine FERC's current review of transmission company capitalization and discuss the importance of accurately assessing debt to equity ratios when the FERC determines what are just and reasonable rates. A panel of experts will address whether there should be a federal duty to look at the total consolidated business when setting just and reasonable rates. Participants will also discuss if FERC should allow pure-play transmission companies to charge equity rates for what is actually holding company debt. Is there any reason some transmission companies use double-leverage financing methods and others do not? Attend this panel to find out.

Moderator Hon. Eric Skrmetta - Commissioner, Louisiana

Panelists Hon. Nick Wagner - Commissioner, Iowa
Randolph Elliott - Regulatory Counsel, American Public Power Association (APPA)
David Pomper - Partner, Spiegel & McDiarmid LLP

**3:30 PM Friend Request: Fostering Innovation and Protecting Privacy for Utility Customers
(Golden Gate A)**

The word "privacy" has become a battle cry in State commission hearing rooms around the country. But data access and privacy could be seen as two sides of the same coin: Allow access to data and innovation thrives, and threaten privacy and customers understandably revolt. Anonymizing data and aggregating helps, but questions remain about trade-offs and advantages of different approaches. Will "big data" be transformative? What are the data use cases that really work? In this session, panelists will discuss these issues and more-such as, what aggregation thresholds are useful? Participants will learn the value of customer access to data and how their information is protected. A group of experts from leading States will provide a roundup of the policies, issues, concerns and opportunities arising from the data privacy policies in a number of leading States.

Moderator Hon. Kevin Hughes - Commissioner, Maryland

Panelists Lorraine H. Akiba - Commissioner, Hawaii
Matt Davey - Senior Regulatory Manager, Silver Spring Networks
Patty Durand - Executive Director, Smart Grid Consumer Collaborative
William Gausman - SVP, Strategic Initiatives, Pepco



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NARUC

126th Annual Meeting



Monday, November 17

Concurrent Sessions: 3:30--4:45

3:30 PM I Get Around: Figuring Out the Infrastructure Challenge with Alternative Fuel Vehicles (Nob Hill)

Alternative fuel-vehicles could transform our nation's transportation fleet. With increasing availability of fueling options including LNG, CNG and electricity, consumers have more choices than ever before when it comes to buying a new vehicle. But is the necessary infrastructure in place for these new technologies to flourish? In this session, panelists will discuss alternative fuel vehicles and the infrastructure necessary to bring the fuel to consumers. Participants will also discuss the business decisions associated with infrastructure development.

Moderator Hon. Jolette Westbrook - Commissioner, Massachusetts

Panelists Dr. Kathryn Clay - Vice President, Policy Strategy, American Gas Association
James Ellis - Director, Electrification and Electric Vehicles, Pacific Gas and Electric Co.
William Hederman - Deputy Director for Systems Integration and Senior Advisor to
the Secretary, Department of Energy
Dr. Nancy Ryan - Director, E3

3:30 PM Moneyball: USF Contributions Who Should Pay, and How (Yerba Buena Salon 1 -3)

Three years ago the Federal Communications Commission issued its universal service and intercarrier compensation transformation order dramatically altering disbursements from the Universal Service Fund (USF). Since then many, including NARUC, have called for the agency to address reform of the contributions methodology so certain consumers, namely the elderly, low income and others who remain on the older technologies, do not continue bearing a broader burden of the assessments. Meanwhile the fund now supports new broadband services which are not required to contribute, leading to an unbalanced and unsustainable system. The FCC recently asked the Federal-State Joint Board on Universal Service to propose a recommended decision on the issue. In this session, experts will tee up the questions the FCC has asked the Joint Board to explore. Panelists will discuss how any changes to the contribution system impact its overall goal of preserving universal service.

Moderator Hon. Stephen Bloom - Commissioner, Oregon

Panelists Hon. Anne Boyle - Commissioner, Nebraska
David Bergmann - Principal, Telecom Policy Consulting for Consumers
Harold Furchtgott-Roth - Commissioner Emeritus, Federal Communications Commission
Billy Jack Gregg - Principal, Universal Consulting
Sherry Lichtenberg - Principal, Telecommunications, NRRI

5:00 PM - 6:00 PM	MACRUC Meeting (Invitation only)	Yerba Buena Salon 10
5:00 PM - 6:00 PM	MARC Meeting (Invitation only)	Yerba Buena Salon 13
5:00 PM - 6:00 PM	NECPUC Meeting (Invitation only)	Yerba Buena Salon 12
5:00 PM - 6:00 PM	SEARUC Meeting (Invitation only)	Yerba Buena Salon 14
5:00 PM - 6:00 PM	Western Meeting (Invitation only)	Yerba Buena Salon 11



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NARUC

126th Annual Meeting



Tuesday, November 18

7:30 AM - 9:00 AM Continental Breakfast Yerba Buena Foyer

8:30 AM - 10:00 AM General Session Yerba Buena Salon 7 - 8

8:30 AM Equipped to Lead: How State Energy Policies are Driving Innovation

Make no mistake-State agencies are leading the way as the nation transitions to a more efficient and low carbon energy future. From energy efficiency building codes in Mississippi to renewable energy tariffs in Virginia and North Carolina, to time-of-use metering in Arizona, States have adopted innovative policies that embrace an all-of-the-above energy policy. In this session, former Sen. Jeff Bingaman, who chaired the U.S. Senate Energy and Natural Resources Committee, will discuss findings from a new report he led at Stanford, with former Secretary of State George Shultz, on innovative State energy policies and how they could be advanced throughout the country. Sen. Bingaman's presentation will be followed by a panel discussion representing a diverse group of regulators and industry stakeholders, who will analyze challenges and opportunities going forward.

Moderators Hon. Colette Honorable - NARUC President, Arkansas
Hon. Jeff Bingaman - U.S. Senator, former Chair, Senate Energy and Natural Resources Committee

Panelists Hon. David Boyd - Chair, NARUC Committee on Electricity, Minnesota
Hon. Robert Kenney - Chair, NARUC Committee on Energy Resources and the Environment
Sara Birmingham - Acting Vice Pres. of State Affairs, Solar Energy Industries Assoc.
Richard Myers - Vice President, Policy Development, Nuclear Energy Institute
Dan Reicher - Executive Director Steyer-Taylor Center for Energy Policy and Finance, Stanford Univ.

9:30 AM International Update Remarks by The Hon. Alparslan Bayraktar
Commissioner, Energy Regulators Regional Association (ERRA)

10:00 AM - 10:15 AM Networking Break Yerba Buena Foyer

10:15 AM - 11:30 AM Concurrent Sessions B 1-5

10:15 AM Full Capacity? The Skinny on Capacity Markets and their Impact on Reliability and Consumers (Golden Gate B)

Capacity markets have been considered the answer to a vexing question: How does a competitive electricity market guarantee generation will be available when needed for reliability purposes? Some believe capacity markets are the best way to maintain a competitive market for an essential service, while others say implementation has been flawed and actually harms consumers. In this session, attendees will get the skinny on how capacity markets work, in what regions are they succeeding, and how they can be improved. Participants will discuss whether investors will flood the industry in sufficient quantities to replace grid scale resources as they retire. Can a market construct provide the right signals to guarantee future resources?

Moderator Hon. Jack Betkoski - Commissioner, Connecticut

Panelists Lawrence Brenner - Commissioner, Maryland
Audrey Zibelman - Commissioner, New York
John Shelk - President & CEO, Electric Power Supply Association (EPSA)
Glen Thomas - President, GT Power Group



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NARUC

126th Annual Meeting



Tuesday, November 18

Concurrent Session: 10:15 - 11:30 continued

10:15 AM NextGen 9-1-1: Will Your Emergency Call or Text Be Connected? (Yerba Buena Salon 1 -3)

A major 911 outage occurred in Washington and several other States this past spring, preventing nearly 5,000 E911 calls from going through to the Public-Safety Answering Points (PSAPs). There have been additional 911 outages in recent months, with investigations underway. At the same time, the Federal Communications Commission's Division of Public Safety and Homeland Security is performing its own study into these outages and other issues related to the deployment of next-generation 911 service on IP-based telecommunications networks. And in August, the FCC approved a series of Text-to-911 requirements and is proposing other measures for further discussion. In this session, a group of experts will discuss the role of State agencies and the FCC in addressing 911 outage problems. Panelists will discuss the root causes of these outages and what changes may be necessary to prevent them in the future. Attendees will learn what resilience means in an IP world and what steps may be necessary to ensure calls are completed. Panelists will also discuss the role of the FCC and State commissions should play in overseeing traditional E911 carriers, as well as other IP-based companies who claim they should not be subject to regulation.

Moderator Hon. Philip Jones - Commissioner, Washington
Panelists Marlys Davis - E-911 Program Coordinator, King County / Seattle WA
 Brian Fontes - Executive Director, NENA
 David L. Furth - Deputy Chief: Public Safety and Homeland Security Bureau,
 Federal Communications Commission
 Barry Ritter, ENP - Executive Director, Office of the Treasurer of Indiana
 Karen Wong - Assistant Director, CalOES Public Safety Communications

**10:15 AM Pedal to the Metal? How Will EPA's Clean Power Plan Impact Natural Gas
(Golden Gate A)**

The Environmental Protection Agency's proposed Clean Power Plan is causing utilities and States to consider natural gas as the chief source of fuel for the nation's power plants. The plan itself lists natural gas as a possible compliance option, among many others, for States as they begin putting together their responses. With the rule's comment deadline around the corner, how are States viewing natural gas as a viable resource? How might the decision to rely on gas impact commodity prices across the board? Attendees will hear from a group of experts who will discuss market impacts, infrastructure challenges, and numerous other issues.

Moderator Hon. Diane Burman - Commissioner, New York
Panelists Hon. Asim Z. Haque - Commissioner, Ohio
 Joseph Goffman - Associate Assistant Administrator & Senior Counsel, EPA
 Michelle Bloodworth - Senior Director, Market Development, ANGA
 Kent T. Larson - Group President Operations, Xcel Energy
 Paul Sotkiewicz - Chief Economist, PJM



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NARUC

126th Annual Meeting



Tuesday, November 18

Concurrent Session: 10:15 - 11:30 continued

10:15 AM The Real Deal on Pricing (Nob Hill)

A former commissioner once coined a phrase that we have smart meters but dumb pricing. In other words, we have failed to take advantage of technology to price electricity in a more rational way. As new policy objectives, technologies, customers' demands and other events transform the future electric industry, many observers argue that utilities should operate under a new business model. A new model, in turn, will require State utility regulators to revisit their old practices. One of these practices is pricing or ratemaking, which has always assumed an important role in utility regulation. Does regulation need to change to align with the new utility business model, and if so, how? This panel will address several questions related to pricing in a transformed electric industry, including: Have recent developments undermined the traditional cost-of-service paradigm that regulators have depended on for decades? Should regulators support multi-year rate plans and performance-based rates? Is it time to scrap the two-part tariff in which utilities recover much of their fixed costs in the volumetric charge? How should utilities price stand-by service for distributed-generation customers? Is it time for utilities to offer their customers real-time (or smart) pricing?

Moderator Hon. David Danner - Commissioner, Washington
Panelists Jeanne Fox - New Jersey Commissioner Emerita
 Ken Costello - Principal Researcher, NRRI
 Chuck Goldman - Staff Scientist, Lawrence Berkeley National Lab
 Mark Toney - Executive Director, TURN -- The Utility Reform Network

**10:15 AM Workforce Development--How Real is the Brain Drain? What are you Doing about it?
 (Yerba Buena Salon 4 - 6)**

Government and industry have lived in fear of the dreaded brain drain for several years. The recent recession pushed these concerns off for awhile, but now with a sizeable portion of the government and utility workforce eligible for retirement, the issue is back on the front burner. According to industry statistics, almost half of the energy workforce is eligible for retirement, and the numbers are also high in the regulatory/government world. In this panel, government and industry experts will discuss the actions they are taking to attract the next generation of workers. Paramount to this is encouraging diversity as well-what can be done to ensure the utility workforce reflects the population it serves? Attendees will learn about best practices and case studies about what programs are working, and where improvements are needed.

Moderator Hon. Nikki Hall - Commissioner, South Carolina
Panelists Hon. Carla Peterman - Commissioner, California
 Prof. Janice Beecher - Director, Institute of Public Utilities, MSU
 Robert H. Mayer - Vice President - Industry and State Affairs, USTelecom Association
 Geisha J. Williams - Executive Vice Pres Electric Operations, Pacific Gas and Electric Company

11:30 AM - 11:45 AM

Networking Break Yerba Buena Foyer



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EFFECTIVE REGULATION

NARUC

126th Annual Meeting



Tuesday, November 18

Concurrent Sessions: 11:45 - 1:00

11:45 AM Get Together: The Future of Fuel Diversity (Golden Gate B)

As the nation transitions to a cleaner and more efficient electricity system, diversity will remain critical to keeping the lights on and rates affordable. New mandates at the State and federal level are causing a shift in fuel resources, but will this impact the reliability of the system? In this panel, experts will discuss tools available to States and regional transmission organizations to maintain both a diverse fuel mix and affordable, reliable electricity. Participants will debate the findings of a recent IHS Cambridge Energy Research Associates report on the value of fuel diversity and how States, utilities, and RTOs factor diversity into their planning. What changes might be in store, and how will they impact your work? Attend this panel to find out.

Moderator Hon. Greg White - Commissioner, Michigan

Panelists Hon. Philip Moeller - Commissioner, FERC

Kathleen Barron - SVP Federal Regulatory Affairs and Public Policy, Exelon Corporation

Dian Grueneich - Senior Research Scholar Shultz-Stephenson Energy Policy

Task Force, Stanford University

Lawrence Makovich - Vice President, Senior Advisor, Global Power, IHS CERA

11:45 AM Navigating Jurisdictional Uncertainty Over Power Supply Mix and Wholesale Price Protection: Practical Paths for States in Our Federal System (Golden Gate A)

"It is one of the happy incidents of the federal system that a single courageous State may, if its citizens choose, serve as a laboratory; and try novel social and economic experiments without risk to the rest of the country." -- Justice Louis Brandeis dissenting in *New State Ice Co. v. Liebmann*, 285 U.S. 262, 311 (1932).

"[The Constitution] was framed upon the theory that the peoples of the several States must sink or swim together, and that in the long run prosperity and salvation are in union and not division" -- Justice Benjamin Cardozo in *Baldwin v. G.A.F. Seelig, Inc.*, 294 U.S. 511, 523 (1935). This panel will discuss, and seek to reconcile, these two articulations of our federal system by focusing on recent court decisions under the Supremacy Clause and Commerce Clause that have invalidated specific State efforts to control their power supply mix and protect themselves from high wholesale prices. The panel will explore the practical options States have to implement their policy goals without violating the Constitution. Members of the audience will be able to text questions and comments to the moderator during the session.

Moderator Hon. Jeff Goltz - Commissioner, Washington

Panelists Hon. Beverly Jones Heydinger - Chair, Minnesota

Hon. Anne E. Hoskins - Commissioner, Maryland

Frank Lindh - Partner, Crowell & Moring

Scott Hempling - Attorney at Law



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NARUC

126th Annual Meeting



Tuesday, November 18

Concurrent Sessions: 11:45 - 1:00 continued

11:45 AM Regulating in the Age of UBER: How State Commissions are Responding to Ride-Sharing Services (Nob Hill)

Ridesharing services like Uber and Lyft are taking many cities by storm. Not only are they disrupting the transportation sector they are also thrusting the State commissions with authority over taxi services into the headlines. In this session, attendees will learn the common issues facing State commissions in dealing with these companies. What are the biggest challenges? How are commissions responding? Are there best practices available? What should you do if these companies start offering services in your State?

Moderator Hon. Rob Powelson - Commissioner, Pennsylvania
Panelists Hon. Michael Peevey - Commissioner, California
 Salle Yoo - General Counsel, Uber
 Scott Morris - President, National Conf of State Transportation Specialists

11:45 AM The Fugitive: Fugitive Methane Emissions (Yerba Buena Salon 1 - 3)

This session will discuss the intersection between fugitive methane emissions from the T&D sector and pipeline safety. Topics cover the question of where is there common ground on the two independent missions, and where is there not. The subject will gain increasing attention in light of the Obama Administration's impending effort to reduce fugitive methane emissions. The following questions would be addressed: What is the current trajectory for eliminating leak prone infrastructure in the nation? What are the true safety ramifications of leaking infrastructure? How much would it cost ratepayers to eliminate all leaks, and what is the associated economic value in terms of mitigating lost gas and safety risks to the public? What is the incremental benefit of eliminating all leaks in terms of the total anthropogenic and non-anthropogenic inventories of methane emissions. How much do rates need to increase to satisfy the combined safety and environmental goals?

Moderator Hon. Susan Rabon - Commissioner, North Carolina
Panelists Hon. Paul Roberti - Commissioner, Rhode Island
 Mark Brownstein - Assoc VP and Chief Counsel of the U.S.
 Climate and Energy Program, Environmental Defense Fund
 Thomas Hutchins, PE - Env't Health & Safety VP, Kinder Morgan Natural Gas Pipelines
 Hank Linginfelter - EVP - Distribution Operation, AGL Resources Inc.

11:45 AM What Goes Around, Comes Around: Recycled Water (Yerba Buena Salon 4 - 6)

As many States and regions in the U.S. experience record-breaking water shortages, many communities are using waste-water recycling to meet growing water needs. Water recycling conserves lakes, rivers, reservoirs, and other spare resources, and it is also less expensive and more energy efficient than desalinization. Attendees will learn whether such programs could become more widespread throughout the country and discuss what State commissions and policymakers can do or should do to encourage further use of waste-water recycling.

Moderator Hon. Alaina Burtenshaw - Commissioner, Nevada
Panelists Hon. Art Graham - Commissioner, Florida
 Gary Weatherford - Administrative Law Judge, California
 Brian Graham - Director Technical Assistance, United Water
 Nick Rowe - Senior Vice President, Central Division, American Water



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NARUC

126th Annual Meeting



Tuesday, November 18, continues

1:00 PM - 2:15 PM	Annual Installation Luncheon Join us to celebrate our incoming officers!	Yerba Buena Salon 7 - 8
2:30 PM - 4:30 PM	Board of Directors Meeting	Golden Gate C3
2:30 PM - 4:30 PM	NRRI Colloquium	Sierra B -5th floor

Wednesday, November 19

7:30 AM - 9:00 AM	Continental Breakfast	Yerba Buena Foyer
8:00 AM - 12:00 PM	NARUC Registration Desk Please note this is a new location.	Golden Gate Foyer
9:00 AM	CLE Certificate of Attendance	

Lawyers - be sure to pick up your CLE Certificate of Attendance from the NARUC Registration Desk.

8:30 AM - 10:15 AM Concurrent Sessions D 1-3

8:30AM Shake it Off: Ethical Considerations for Commissioners & Staff (Golden Gate B)

Please note this is an earlier start time. Commissioner Miley Swift has a dilemma. As a new commissioner, she is learning quickly about the many decisions to make and cases to oversee in the coming days, weeks, months, and years. She has also started receiving invitations to attend conferences, speak on panels, and meet with industry and other stakeholder groups with business before her agency. What activities might be appropriate, and what might not be? In this session, attendees will learn how to navigate some of these scenarios. Through humorous skits performed by NARUC's Not Ready for General Session Players, participants will review six hypothetical scenarios relevant to the real-world experiences of commissioners, staff, and others who practice utility and energy regulation. This will be an entertaining and thought-provoking session!

Moderator Hon. Mark Christie - Commissione
Panelist The Not Ready For General Session Players



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Wednesday, November 19

Concurrent Sessions: 9:00 - 10:15 continued

9:00 AM Game of Phones -- Interconnection is Interconnection Regardless of Technology or Protocol (Golden Gate C1)

The key to a competitive telecommunications marketplace is interconnection-i.e., the idea that consumers and competing networks can connect with each other no matter what kind of technologies they use. A sound technology neutral and non-discriminatory interconnection policy, like the one established in Sections 251 and 252 of the 1996 Telecommunications Act, is needed. Yet the Federal Communications Commission has opened another proceeding to examine anew whether those provisions apply to carriers exchanging Internet protocol (IP)-based voice traffic. Part of this is driven by the FCC's reluctance to expressly acknowledge that IP-based voice services are, in fact, "telecommunications services." That reluctance has introduced more inefficiency and uncertainty for carriers seeking to interconnect with larger competitors to provide competing services and is likely the reason very few direct IP-to-IP interconnection agreements have been consummated despite an exponential growth in IP voice. But, interconnection problems have never been limited to just voice traffic. In fact, Level3 Communications recently asked the FCC to impose interconnection requirements on Internet service providers (ISPs) - a move the company said is necessary to "fully protect the free and open Internet." In this session, panelists will discuss the interconnection challenges this uncertainty created from traditional time division multiplexing (TDM) to IP to ISPs. Attendees will hear a debate on how the status quo is impacting interconnection on all levels and how the historical role States play should be used in an IP-based world.

Moderator Hon. David Ziegner - Commissioner, Indiana
Panelists Hon. Gregg Sayre - Commissioner, New York
Philip Bowie - Executive Director - Public Policy, AT&T Services, Inc.
Raymond Gifford - Partner, WBKLaw
Joe Gillan - President, Gillan & Associates
Karen Reidy - VP of Regulatory Affairs, COMPTel

9:00 AM Inextricably Intertwined: Water for Energy; Energy for Water (Golden Gate A)

Changes in climate and technologies are driving a major intersection between the water and energy sectors. U.S. population growth and regional migration trends indicate that the population in arid areas such as the Southwest is likely to continue to increase, despite the ongoing drought which shows no signs of receding. Meanwhile, new technologies could shift water and energy demands in unforeseen ways. All these are complicating the management of both energy and water systems. In this session, panelists will discuss whether and how utilities and regulators can address these issues. Attendees will learn about cost-effectiveness methodologies for assessing the water-energy nexus, including the effect of water policies and use on hydro generation, energy supply, demand response, and energy use and planning. Panelists will also explore the role of communications technologies to improve individual system management and coordination between energy and water utilities.

Moderator Hon. Catherine Sandoval - Commissioner, California
Panelists Hon. Susan Bitter Smith - Commissioner, Arizona
Mike Hightower, Sandia National Lab
Michal Koenig - Senior Director, Product Management, Qualcomm Technologies, Inc.
Walter Lynch - President and COO, American Water



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126th Annual Meeting



Wednesday, November 19

Closing Session and Business Meeting

10:30 AM - 11:45 AM

Closing Session

Golden Gate A

10:30 AM NARUC Business Meeting: Action on Resolutions

Report of the Board of Directors and NARUC Members vote on resolutions.

10:35 AM Are You Ready for Your Close-up?

The Clean Power Plan. Pipeline Safety. Ride-sharing services. Infrastructure Replacement. The issues pending before State utility commissions are hotter than ever before, and so is the spotlight. With States setting the pace on some of the most significant challenges in the country, the focus on commission business is growing. National, well-funded stakeholder groups are intervening in State proceedings which, in turns, brings heightened media attention. Is your agency prepared for the spotlight? In this session, a diverse panel of commissioners will discuss how they are dealing with this new paradigm. Attendees will learn about ways to communicate with the public and the press, along with other kinds of challenges that may arise from this heightened attention. Are you ready for your close-up?

Moderator Hon. Sheila Tipton - Commissioner, Iowa

Panelists Hon. Gladys Brown - Commissioner, Pennsylvania

Hon. Brian Kalk - Commissioner, North Dakota

Hon. Stan Wise - Commissioner, Georgia

Hon. Mary Anna Holden - Commissioner, New Jersey

Robert Nelson - NASUCA President, Montana Consumer Counsel

11:45 AM Adjourn 126th Annual Meeting

MACRUC 20th Annual Education Conference



June 21 - June 24, 2015 - Colonial Williamsburg, VA
Registration Opens April 2015

For information and sponsorship opportunities contact:
Michelle Malloy at mamalloy@naruc.org



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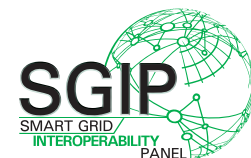


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We're fighting for **reliable,
affordable utility service.**

From Alaska to Florida, we're working with regulators, consumer advocates, and other groups to make sure residential utility customers pay fair and reasonable rates – for reliable, accessible service. We're also advocating for strong consumer protections at the federal and state level.

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126th Annual Meeting



Board of Directors

Subcommittee on Utility Marketplace Access

Sunday, November 16

9:00am - 11:45am

Golden Gate A

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

Opening Remarks from UMA Chairwoman Nikki Hall

Hon. Nikki Hall-NARUC Subcommittee on Utility Marketplace Access, South Carolina

9:05am **Toolkit Update**

NUDC provides a sneak peak of the pre-launch Toolkit website!

Laurie Dowling-Executive Director, National Utilities Diversity Council

9:20am **The Critical Role of Minority and Women Owned Investment Banks In the Utility Procurement of Financial Services**

Investor owned utilities are some of the most active participants in the global capital markets. Whether it is the public and private offerings of utility bonds and preferred stock or the management of utility assets e.g. employee pension plans and nuclear decommissioning trust funds, investor owned utilities rely heavily on investment banking expertise. State regulators do have the ability to promote opportunities for minority, women and disabled service veteran owned investment banks through the regulatory approval and oversight process. This panel will explore the mechanisms in-place that can increase the participation of diverse firms in the financial services procured by utilities.

Moderator: *Hon. Robert S. Kenney*-Chairman, Missouri

Panelists: *Hon. Sherina E. Maye*-Commissioner, Illinois

Robert Schlax-VP, CFO & Controller, Sempra Utilities

Alan Jones-SVP, Blaylock Beale Vann

Sidney Dillard-Partner & Head of Corporate Investment Banking, Loop Capital Markets

David Finkelstein-Principal, Williams Capital Group

Raymond S. O'Connor-Managing Director, Samuel A. Ramirez & Co.

10:15am **Financing Barriers for WMDVB: Sustainable Energy**

Issue: Currently, there is a significant financing barrier for WMDVBEs in the sustainable energy profession. The panel will engage in a discussion on ways to overcome these barriers and how to create financial instruments to bank roll the balance sheets of the WMDVBE energy entrepreneurs.

Moderator: *Hon. Carla J. Peterman*-Commissioner, California

Panelists: *Jose Perez*-Chairman and CEO, Hispanics in Energy

Nancy Pfund-Founder and Managing Partner, DBL Investors

Darlene R. Currie-Co-Founder/CEO Kota Global Social Ventures, LLC & Founder,

Global Social Impact Fund

11:00am **Diversification of the C-Suite - Thoughts on Selection Criteria**

Mr. Linquist of Russel Reynolds, a premier executive recruitment firm, will discuss the criteria used for selecting CEO's and other executive level employees and how to diversify the C suite.

Moderator: *Hon. Nikki Hall*-Chairwoman, NARUC Subcommittee on Utility Marketplace Access

Panelist: *Thomas Linquist*-Executive Director, Russell Reynolds

11:35am **Committee Business**

* Agenda Topics for NARUC Winter Meetings in Washington, DC

* PJM/ISO Discussion

* Other items *Hon. Nikki Hall*-Chairwoman, NARUC Subcommittee on Utility Marketplace Access



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NARUC

126th Annual Meeting



Board of Directors (continued)

Washington Action

	(Closed Meeting)	
Sunday, November 16	9:00am 10:15am	Yerba Buena Salon 12

Staff Subcommittee on Law

Monday, November 17	9:00am 5:00pm	Yerba Buena Salon 10
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9:00am NARUC STAFF SUBCOMMITTEE ON LAW

1. Welcoming remarks -*Illona Jeffcoat-Sacco*, Chairman
2. Attendee introductions.
3. Reading, discussion (if any) and vote on:
Amendment to Supplement Minutes of February 2014 meeting in Washington, DC
Minutes of 15 June 2014 meeting in Columbus, OH.
4. Review and discussion of 2014 National Conference of Regulatory Attorneys held in June in Columbus, OH-*Angela Hawkins*, 2014 Conference President
General Conclusions
Financial Report
Evaluation Report
5. Officers for 2015 National Conference of Regulatory Attorneys in Utah
Jordan White, President
Angela Hawkins, Vice President
Darlene Cooper, Treasurer
Paul Duffy, Assistant Treasurer
Melissa Paschal, Secretary
6. Update on 2015 National Conference of Regulatory Attorneys, Conference President
7. Discussion and update on 2016 and future conference options.
8. 2014 NARUC Annual Meeting Ethics Segment - *Eve Moran*, Subcommittee Alumnus





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NARUC

126th Annual Meeting



Board of Directors (continued)

Staff Subcommittee on Information Services

Sunday, November 16

1:00pm - 5:00pm

Sierra I

- 1:00pm **Welcome, introductions and agenda discussion**
Brent LeBlanc - Director, Information Technologies, Louisiana
- 1:15pm **The progress of Information Technologies at State Commissions**
Roundtable discussions of projects, plans, challenges and experiences
- 2:15pm **Networking break**
- 2:30pm **Creating a paperless PUC**
The Wisconsin experience with electronic document management.
Paul Newman - CIO, Public Service Commission of Wisconsin
- 3:45pm **Networking break**
- 4:00pm **Creating a paperless PUC: The Wisconsin Experience with Electronic Document Management**
Scott Zieg - Executive Director, ColumbiaSoft Corp.
- 4:30pm **The 1st National PUC Dockets Database: AEE PowerSuite**
Eric Fitz - Director, Engineering and Development

Staff Subcommittee on Information Services

Monday, November 17

9:00am - 5:00pm

Sierra I

- 9:00am **Roundtable discussions of projects, plans, challenges and experiences**
- 10:15am **Networking break**
- 10:30am **STAR PSC The evolution of a leading COTS product for State Public Service Commissions and Utility Boards**
Jim Andrews - Sales Manager, Iron Data
Terry Ussery - Project Manager, Iron Data
- 11:45am **Commissioner Emeritus Community Service Luncheon**
- 1:00pm **NARUC Election of Officers**
- 2:00pm **A Consolidated Utilities Outage Reporting System** A GIS-based system developed for Entergy and deployed to Louisiana, Mississippi, Arkansas and Texas to enhance utility restoration efforts during and after natural disasters.
Greg Rigamer - President, GCR Inc.
Brent LeBlanc - Director, Information Technologies, Louisiana
- 3:15pm **Networking break**
- 3:30pm **The progress of Information Technologies at State Commissions, continued**
Roundtable discussions of projects, plans, challenges and experiences
- 4:30pm **Adjourn**



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126th Annual Meeting



Board of Directors (continued)

Staff Subcommittee on Information Services

Tuesday, November 18

9:00am - 5:00pm

Sierra I

- 9:00am **The progress of Information Technologies at State Commissions, continued**
Roundtable discussions of projects, plans, challenges and experiences
- 10:00am **Networking break**
- 10:15am **PDF Document Accessibility**
Regulations, Risk and Solutions for Compliance
Shannon Kelly - PDF Accessibility SME, Actuate Corporation
- 11:30am **Networking break**
- 11:45am **The progress of Information Technologies at State Commissions, continued**
Roundtable discussions of projects, plans, challenges and experiences
- 1:00am **Officer Installation Luncheon**
- 2:15am **BD, A security related topic**
James Stroud, McAfee
- 3:30am **Networking break**
- 3:45am **The progress of Information Technologies at State Commissions, continued**
Roundtable discussions of projects, plans, challenges and experiences
- 4:30am **Adjourn**

Board of Directors Meeting

Tuesday, November 18

2:30pm - 4:30pm

Golden Gate C3

Staff Subcommittee on Information Services

Wednesday, November 19

10:00am - 12:00pm

Location TBD

- 10:00am **Plan future meeting, discuss possible future project(s)**
- 11:55am **Adjourn**



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126th Annual Meeting



Consumer Affairs

Staff Subcommittee on Consumer Affairs

Sunday, November 16

9:00am - 11:45am

Nob Hill

9:00am **Solar Power and Third party installers**

Residential solar panel use has grown tremendously in recent years and is expected to continue. However, a plethora of issues have arisen from net metering to who is responsible for maintenance of the solar panels and what happens if the third party installer goes out of business.

Moderator: *Phil Boyle*-Manager, Consumer Services Section, Oregon

Panelists: *Yochi Zakai*-Policy Advisor, Washington

Kimberly Fontan-VP, Regulatory Affairs, Entergy

Lon Huber-Energy Policy Specialist, Arizona Residential Utility Consumer Office

Eric Weingarten-Associate General Counsel, Solar City

10:15am **Networking Break**

10:25am **PUC Public Education Campaign**

The Washington Utilities and Transportation Commission (WUTC) recently undertook a public education campaign that has raised awareness of what the WUTC does and can do for consumers raising traffic to its website and increasing the number of complaints filed with the commission.

10:45am **Update from the California PUC**

11:05am **CLOSED Session of the Subcommittee Members**

11:45am **Adjourn**



Save the Date!

Western Conference of Public Service Commissioners
Annual Conference

May 30 - June 3, 2015
Arizona Biltmore
Phoenix

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Contact Michelle Malloy at mamalloy@naruc.org for more information
Looking forward to seeing you in Phoenix!



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Consumer Affairs (continued)

Committee on Consumer Affairs

Sunday, November 16

1:00pm - 5:00pm

Nob Hill

1:00pm Empowering Consumers Through Customer Data Aggregation

In 2011, NARUC adopted a "Resolution on Access to Whole-Building Energy Data and Automated Benchmarking" recognizing the value of providing aggregated information to building owners to help them measure their energy and water use and enable their investment in efficiency improvements in building systems. The development of customer information aggregation policies promises to be one of the ways by which States can attract capital from building owners, reducing the burden on ratepayers, and at the same time meet water and energy savings targets. Panelists will discuss the potential for utility service cost savings in the building sector and the role of benchmarking and customer data aggregation policies

Moderator: *Hon. Jack Betkoski* - Commissioner, Connecticut

Panelists: *Ophelia Basgal* - Regional Administrator, U.S. Dept. of Housing and Urban Development

Alissa Burger - Senior Associate, Institute for Market Transformation

Manuel Vera - Program Manager, Pepco

David Farnsworth - Senior Associate, Regulatory Assistance Project

2:15pm Networking Break

2:30pm The Issue of Decoupling and Straight Fixed Variable Rate Structures and the Impact on Low-Use Customers

Moderator: *Hon. John Colgan* - Commissioner, Illinois

Panelists: *John Howat* - Senior Policy Analyst, National Consumer Law Center

Katrina McMurrian - Executive Director, Critical Consumer Issues Forum

3:15pm Networking Break

3:35pm Hot Topic - PUC Public Education Campaign

The Washington Utilities and Transportation Commission (WUTC) recently undertook a public education campaign that has raised awareness of what the WUTC does and can do for consumers raising traffic to its website and increasing the number of complaints filed with the commission.

Sharon Wallace, Washington Utilities and Transportation Commission

3:55pm Hot Topic - New Thinking about Newly Emerging Utility Customers

John Ashford - Chairman, The Hawthorn Group

5:00pm Committee Adjourn



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NARUC

126th Annual Meeting



Critical Infrastructure

Committee and Staff Subcommittee on Critical Infrastructure

Sunday, November 16

1:00pm - 5:00pm

Golden Gate A

1:00pm **Welcome & Introductions**

Speakers: *Hon. Carolene Mays-Medley (IN)*-Chair, NARUC Committee on Critical Infrastructure, Indiana

Hon. Swain Whitfield (SC)-Vice Chair, NARUC Committee on Critical Infrastructure, South Carolina

Thomas Pearce-Chair, Staff Subcommittee on Critical Infrastructure, Ohio Public Utilities Commission

1:15pm **NARUC & Federal Agency Updates**

Speaker: *Invited Representatives*

1:30pm **Shake, Rattle and Rock - Preparing for an Earthquake**

According to the U.S. Geological Survey, earthquakes happen less frequently than some other natural disasters, but are dangerous because of their unpredictability. Earthquakes cause the greatest damage to communities located near the energy source because of strong ground shaking and permanent ground failure. In this session, we will learn about major fault lines and the impact of earthquakes. It will focus on the damage that can be done to utilities' critical infrastructure and surrounding areas, and examine what utilities can do and are doing to prepare for and recover from an earthquake of magnitude.

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

Panelists: *Dr. Peggy Hellweg*-Operations Manager, Berkeley Seismological Laboratory

Hon. Linda K. Breathitt-Commissioner, Kentucky

Jesus Soto, Jr.-Sr.VP, Gas Engineering, Construction & Operations, Pacific Gas and Electric Company

2:30pm **Break**

2:45pm **Cybersecurity Solutions: Can we build "unhackable" systems for critical infrastructure?**

In this session, panelists will discuss Kaspersky's efforts to build a hack-proof operating system intended to be used in critical infrastructure applications. Additionally, information will be provided regarding the threat landscape and strategic considerations to address cybersecurity concerns facing U.S. critical infrastructure.

Speakers: *Adam Firestone*-President & General Manager, Kaspersky Government Security Solutions, Inc.

Hilary MacMillan-Cybersecurity Intelligence Executive, Kaspersky Government Security Solutions, Inc.

3:15pm **Cybersecurity and the States**

In this session, panelists will discuss their efforts to help identify, comprehend, and address cybersecurity planning and strategic efforts at the State and regional levels.

Moderator: *Hon. Swain Whitfield*-Vice Chair, NARUC Committee on Critical Infrastructure, South Carolina

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

Hon. James Gardner-Vice-Chairman, Kentucky

Sarah Hofmann-Executive Director, NECPUC/New England Conference of Public Utilities Commissioners

4:30pm **Committee Business Meeting**

5:00pm **Adjourn**



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126th Annual Meeting



Electricity

Staff Subcommittee on Electric Reliability

Sunday, November 16

9:00am -5:00am

Golden Gate B

9:00am **It's All in the Numbers: Options for State and Regional Compliance Tracking for EPA's Clean Power Plan**

This Summer the Environmental Protection Agency released its Clean Power Plan, a proposed rule under Section 111(d) of the Clean Air Act, to reduce CO2 emission from existing electric generating resources. As States begin to analyze how the new requirements fit within existing renewable portfolio standards (RPS) and existing cap-and-trade programs they need to consider their State or region's existing tracking systems and what kind of changes would be needed if they wanted to rely on those systems to track power sector emission reductions and compliance. Mr. Kvale will outline how key elements provided by REC tracking systems, such as tracking emission attributes of power, calculating average and residual emission rates, tracking energy efficiency savings and inter-state power and REC transactions can provide some of the foundational elements needed for implementing the Clean Power Plan rules. Building on this he will outline a couple of different scenarios for how RPS programs (and energy efficiency) interact with a potential cap-and-trade program and discuss how multi-state approaches can account for cross-state transactions of clean power.

Speaker: *Lars Kvale*-Managing Director, APX Environmental Markets

9:35am **It's Time for a Change!**

More than 700 changes have been proposed for the National Electrical Safety Code (NESC). These changes impact many areas of interest including undergrounding of electric lines, tree trimming, and interconnections for solar photovoltaic facilities. Speakers will brief us on the changes that have proved the most controversial in the IEEE's committee discussions and explain how States can provide input as IEEE develops changes to be effective in 2017.

Speakers: *Sue Vogel*-Senior Manager, National Electrical Safety Code

Mike Hyland-Senior VP of Engineering, American Public Power Association

10:30am **Joint Meeting with Staff Subcommittee on Electricity and Committee on Energy Resources and the Environment** (See agenda on page 30)

Subcommittee on Clean Coal

Sunday, November 16

9:00am - 11:45am

Yerba Buena Salon 1 - 3

9:00am **Update on the Global Status of CCS/CCUS**

Dr. Victor Der, The Global CCS Institute

9:45am **U.S. Department of Energy Update** *Doug Middleton*, U.S. DOE Fossil Energy

10:15am **Impact of NETL R&D on Learning Curve Projections and Related Costs**

Tom Sarkus, National Energy Technology Laboratory

10:45am **Subcommittee Business Meeting**

Subcommittee Staff Chair Recommendations

Options for Updating NARUC CCS Primer to include all fossil generation

Future Site Visit Planning

Winter Meeting Planning



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126th Annual Meeting



Electricity (continued)

Staff Subcommittee on Electricity

Sunday, November 16

10:30am - 5:00pm

Golden Gate B

10:30am What's Old? What's New? And Does it Matter, Anyway?

Joint Meeting With Staff Subcommittee on Energy Resources and the Environment

The EPA's suite of proposals for regulating carbon emissions from electric generators includes different approaches for existing power plants versus new power plants. How do these regulations differ? What if an existing plant becomes a "new source" via a modification project? What is the status of legal challenges to the rules for new plants?

Speakers: *Roger Martella*-Environmental Attorney, Sidley Austin LLP

Rishi Garg -General Counsel and Principal Researcher, National Regulatory Research Institute

11:00am Germany's Transition to Renewables

Joint Meeting with Staff Subcommittee on Energy Resources and the Environment

Some news reports paint an optimistic picture of Germany's efforts to de-fossilize and de-nuclearize its electricity production. Yet industry reports show there are issues, both financial and electrical, to be addressed. We'll ask four experts to react to a particularly upbeat news cast regarding Germany's transition to renewables and help us understand the positive and not-so-positive aspects of that country's energy policies.

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

Panelists: *Julia Hamm*-Director, SEPA

Dr. Lola Infante-Dir.of Generation Fuels and Market Analysis, EEI

Bentham Paulos-Consultant, PaulosAnalysis

Jurgen Weiss-Principal, The Brattle Group

1:00pm Off-site Microgrids Tour (Staff-Only)



New England Conference of Public Utilities Commissioners

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68th ANNUAL NECPUC SYMPOSIUM

June 7-9, 2015

NEWPORT, RI

Join NECPUC Commissioners and staff in Newport, Rhode Island for three days of substance filled sessions with a lot of fun on the side. National and regional experts will engage with you in discussing the hot topics in energy, gas, telecommunications and water. Newport is the used and useful place to be in 2015.





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126th Annual Meeting



Electricity (continued)

Committee on Electricity

Monday, November 17

9:00am - 11:45am

Golden Gate A

9:00am California Dreamin'?

Background and outlook for implementation of California's 1.325 GigaWatt energy storage target.

Moderator: *Hon. Carla Peterman*, Commissioner, California

Panelists: *Janice Lin*, Clean Energy States Alliance

James Avery, Senior VP - Power Supply, San Diego Gas and Electric

10:00am Business Meeting

Welcome and Introductions:

Hon. David Boyd, Chair, NARUC Committee on Electricity, Minnesota

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

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

Hon. Jeffrey Goltz, Co-Vice Chair, NARUC Committee on Electricity, Washington

10:30am Every Step Leaves a Print: Report on the DOE- Sponsored Mission to China

A joint presentation with the Committee on International Relations and the Committee on Gas

In August, five commissioners went to China as part of energy delegation to study energy technology and policy trends in China, and to inform the Chinese of recent U.S. energy trends, especially for policy and regulation. The delegation head was Commissioner Phil Jones of Washington, accompanied by Commissioners David Boyd of Minnesota, Linda Breathitt of Kentucky, Bob Anthony of Oklahoma, and Greg White of Michigan. The delegation engaged with several Chinese energy think tanks, and had productive meetings with State Grid China Corporation (SGCC), Huaneng Power, independent power producers, and also met with U.S.-based energy companies which operate in China. The topics covered included electricity regulatory trends including distributed energy resources, shale gas development and regulatory trends for gas LDCs, nuclear power development and nuclear waste, and the recent EPA regulations on 111(d). The Chinese authorities explained their policy and regulatory thinking and trends in these areas as well, including their interest in shale gas, DER, the development of Carbon Capture Utilization and Storage (CCUS) technologies, and its AP-1000 development project with Westinghouse and others. This session will summarize the highlights and takeaways from the delegation's trip, and offer some thoughts on the sharing of best regulatory practices and policies going forward. Photos will be shared as well.

Joe Giove from DOE was also on the mission and if anyone has any specific questions about the Coal projects in China, he can provide additional insight later in the meeting or in-between sessions.

Moderator: *Hon. David Boyd*, Chair, NARUC Committee on Electricity, Minnesota

Panelists: *Hon. Philip Jones*, Commissioner, Washington

Hon. Bob Anthony, Commissioner, Oklahoma

Joseph Giove, Director, Division of Large Carbon Management Projects, U.S. Department of Energy



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NARUC

126th Annual Meeting



Energy Resources and the Environment

Staff Subcommittee on Energy Resources & Environment

Joint with Staff Subcommittee on Electricity See their agenda for details

Sunday, November 16

11:00am - 5:00pm

Golden Gate B/Off Site

11:00am **Germany's Transition to Renewables**

Joint Meeting with Staff Subcommittee on Electricity

Some news reports paint an optimistic picture of Germany's efforts to de-fossilize and denuclearize its electricity production. Yet industry reports show there are issues, both financial and electrical, to be addressed. We'll ask three experts to react to a particularly upbeat news cast regarding Germany's transition to renewables and help us understand the positive and not so positive aspects of that country's energy policies.

1:00pm **Staff-only, off-site microgrid tour**

Off-site microgrid tour for Staff Subcommittees of Electricity, Electric Reliability, and Energy Resources & Environment

Committee on Energy Resources and Environment

Monday, November 17

9:00am - 11:45am

Nob Hill

9:00am **Welcome and Introductions**

Hon. Robert Kenney-Chair, NARUC Committee on Energy Resources and the Environment, Missouri

Hon. James Gardner-Co-Vice Chair, NARUC Committee on Energy Resources and the Environment, Kentucky

Hon. Kelly Speakes-Backman-Co-Vice Chair, NARUC Committee on Energy Resources and the Environment, Maryland

9:10am **Assessing the Costs of State RPS and Energy Efficiency Programs**

Researchers from the Lawrence Berkeley National Lab will review two recent studies that take an extensive look at the cost impacts of state renewable portfolio standards and energy efficiency measures and programs.

Galen Barbose, LBNL

Chuck Goldman, LBN

10:30am **Networking Break**

10:45am **Business Meeting**

Reports

Chris Mele/Holly Rachel Smith-Washington Report

Miles Keogh-NARUC Grants & Research Report

Tom Stanton-NRRI Report

Barbara Tyran-EPRI Report

Ron Edelstein-GTI Report

David Meyer-DOE, Update on Valuing Distributed Generation Project

Presentation of the Mary Kilmarx Award

Resolutions

11:45am **Adjourn**



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Gas

Subcommittee/Staff Subcommittee on Pipeline Safety (Closed Meeting)

Sunday, November 16

9:00am - 5:00pm

Yerba Buena Salon 13 - 14

Staff Subcommittee on Gas

Sunday, November 16

1:00pm - 5:00pm

Golden Gate B

1:00pm **Welcome and Introductions**

Bob Reed-Natural Gas Director, Alabama

We all agree that imprudent expenses such as fines generally go below the line. But what about the finer questions of investor relations expenses, write-offs because of utility mistakes, donations, certain perks (country clubs, etc.), excessive executive compensation (what is excessive?), and advertising, to name a few? Do the ratepayers benefit from these expenditures or do management and shareholders? Are bonuses paid for serving customers better or enriching shareholders and management? Should regulators be able to address these items only in the context of rate cases, or should certain items be left open pending individual consideration?

Moderator: *Bob Reed*-Natural Gas Director, Alabama Public Service Commission

Panelists: *Denise Parrish*-Deputy Administrator, Wyoming Office of Consumer Advocate

Bill Steele-Principal, Bill Steele and Associates

John Farrell, Senior Researcher, Institute for Local Self-Reliance

2:00pm **Safety of LNG as a Fuel**

This presentation will discuss LNG fire science in the context of LNG as a transportation fuel for marine/ barge/ferry, rail, and heavy-duty trucks. The discussion will focus on the technical challenges and concerns for policy makers.

Thomas K. Blanchat, PhD - Principal Member of the Technical Staff, Fire Science and Technology Development, Sandia National Laboratory

2:40pm **Natural Gas System Delivered As Promised During Record Winter**

The United States faced sustained cold and record-setting natural gas consumption during the winter of 2013-2014. Natural gas reliability was tested, and throughout the country local utility customers continued to receive dependable service at affordable prices. AGA will discuss *Promise Delivered*, a study of the planning, preparation and performance of the natural gas system during the 2013-14 winter heating season.

Richard Meyer - Manager of Policy Analysis, American Gas Association



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Gas

Staff Subcommittee on Gas (continued)

Sunday, November 16

1:00pm - 5:00pm

Golden Gate B

3:10pm **111(d) Gas Building Blocks**

Combined heat and power (CHP) and natural gas end use equipment displacing less efficient electric resistance space and water heating are both potential building blocks in the implementation of the Environmental Protection Agency's proposed Clean Power Plan, as well as, of course, natural gas combined cycle plants. Questions remain: How will natural gas end use equipment displacing electric end use equipment count toward power plant CO₂ reduction targets? How much will the useful waste heat from CHP count in the CO₂/MWH rate equation? If CHP units are considered "affected EGU's," how does this impact their acceptability under 111(d)?

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

3:45pm **Networking Break**

4:00pm **Joint Meeting with LNG Working Group CLOSED (Commissioners and staff only)**

Thomas K. Blanchat, PhD - Principal Member of the Technical Staff, Fire Science and Technology Department, Sandia National Laboratory

Mike Hightower - Distinguished Member of the Technical Staff, Sandia National Laboratory

5:00pm **Adjourn**

Committee on Gas

Mondayday, November 17

9:00am - 11:45am

Golden Gate B

9:00am **Gas Committee Business Meeting**

9:05am **Renewables & Gas Coordination: New challenges or new opportunities?**

The challenges of EPA 111 (d) are looming, and the prospects of the accelerated integration of intermittent energy sources are weighing heavily on the minds of utilities and independent system operators. It is time to discuss the best policies and strategies for promoting and ensuring the reliability of an energy grid that reflects the nation's increased reliance on both natural gas generation and renewable power. What are the issues in question and are they the same across the country? What new technologies are being developed? What can regulators do to ensure consumers have both a reliable and a cleaner power generation mix? Come to hear how natural gas and renewables are working together today and what is needed in the future to maintain a reliable national grid. Speakers will discuss the increased role renewables are playing in serving utility loads, new emerging technologies, the role that gas is playing to backstop renewables and the policy changes that are needed to promote reliable service.

Moderator: *Eduardo Balbis* - Commissioner, Florida

Panelists: *Kelly A. Daly* - Partner, Stinson Leonard Street LLP

Chrissy Camacho Borskey - Director- Gov't Affairs and Policy, Distributed Power, GE Power & Water



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Gas

Committee on Gas (continued)

Monday, November 17

9:00am - 11:45am

Golden Gate B

9:40am **Securing Long Term Physical Gas Supplies**

Commissioner Brighton will moderate a panel titled "Securing Long Term Physical Gas Supplies: How Utilities are Protecting Their Customers From Rising Future Gas Prices". The panelists will describe various models used to secure long-term physical gas supplies at the most stable prices for ratepayers.

Moderator: *Kara Brighton* - Commissioner, Wyoming

Panelists: *Jerry R. Fish* - Esquire, Stoel Rives

Barrie L. McKay - Vice President of Regulatory Affairs and Energy Efficiency, Questar Gas Company

10:30am **Every Step Leaves a Print: Report on the DOE- Sponsored Mission to China (TBA)**

In August, five commissioners went to China as part of energy delegation to study energy technology and policy trends in China, and to inform the Chinese of recent U.S. energy trends, especially for policy and regulation. The delegation head was Commissioner Phil Jones of Washington, accompanied by Commissioners David Boyd of Minnesota, Linda Breathitt of Kentucky, Bob Anthony of Oklahoma, and Greg White of Michigan. The delegation engaged with several Chinese energy think tanks, and had productive meetings with State Grid China Corporation (SGCC), Huaneng Power, independent power producers, and also met with U.S.-based energy companies which operate in China. The topics covered included electricity regulatory trends including distributed energy resources, shale gas development and regulatory trends for gas LDCs, nuclear power development and nuclear waste, and the recent EPA regulations on 111(d). The Chinese authorities explained their policy and regulatory thinking and trends in these areas as well, including their interest in shale gas, DER, the development of Carbon Capture Utilization and Storage (CCUS) technologies, and its AP-1000 development project with Westinghouse and others. This session will summarize the highlights and takeaways from the delegation's trip, and offer some thoughts on the sharing of best regulatory practices and policies going forward. Photos will be shared as well.

Moderator: *David Boyd* - Chair, NARUC Committee on Electricity, Minnesota

Panelists: *Philip Jones* - Commissioner, Washington

Bob Anthony - Commissioner, Oklahoma

11:15am **Presentation by Joseph Ferrari with Wartsila**

11:45am **Adoption of Summer Gas Committee Business Meeting Minutes, Resolutions, Pending Business.**

Barry Smitherman - Chairman, NARUC Gas Committee

Susan Rabon - Vice Co-Chair, NARUC Gas Committee

Julie Fedorchak - Vice Co-Chair, NARUC Gas Committee



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International Relations

Committee on International Relations

Sunday, November 16

1:00pm - 5:00pm

Yerba Buena Salon 1 -3

1:00pm **Welcome and Introductions**

Hon. Eric Callisto - Chair, Committee on International Relations, Wisconsin

Hon. Anne Hoskins - Co-Vice Chair, Committee on International Relations, Maryland

1:05pm **Energy Market Reform in Great Britain**

Restructuring in the British energy markets is based on the RIIO (Revenue = Incentives+Innovation+Outputs). Sir Roy Gardner, who was knighted in 2002 for services to the gas and electricity industries, will offer his perspective on the efficacy and challenges of the RIIO approach.

Moderator: *Hon. Anne Hoskins* - Co-Vice Chair, Committee on International Relations, Maryland

Panelist: *Sir Roy Gardner* - Chairman, Mainstream Renewable Power

1:35pm **Expanding Access to Drinking Water in Developing Nations: The Relevance of the Regulated Utility Model**

A major focus of international assistance programs is the development of safe drinking water infrastructure in the many areas that lack reliable supplies of potable water. Prof. Ray's research focuses on access to water and sanitation for the rural and urban poor. She will discuss the applicability of the regulated utility model to efforts to expand access to drinking water.

Moderator: *Hon. Eric Callisto* - Chair, Committee on International Relations, Wisconsin

Panelist: *Prof. Isha Ray* - Energy and Resources Group, University of California - Berkeley

2:20pm **The Emerging Global Energy Giants: China and India**

With their growing economies, China and India are already energy giants, with roles that will only grow more significant, particularly as the world grapples with climate change. Our experts will discuss two important issues in understanding the role of these two nations. Prof. Auffhammer will discuss his work on forecasting energy demand in China and the implications for global energy policy. Prof. Shrimali will discuss the prospects for development of low-carbon energy in India through the use of financing mechanisms and market-based incentives

Moderator: *Hon. Eric Callisto* - Chair, Committee on International Relations,

Panelists: *Prof. Max Auffhammer* - International Area Studies: Agricultural and Resource Economics, University of California - Berkeley

Prof. Gireesh Shrimali - Faculty Fellow - Steyer-Taylor Center for Energy Policy and Finance, Stanford University

3:30 PM **Committee Business Session**

Hon. Eric Callisto - Chair, Committee on International Relations, Wisconsin

3:40pm **A Global Look at the Future of Photovoltaics**

There has been much attention given to the trade dispute between the United States and China over photovoltaic solar panels. Less attention has been paid to discussions in the World Trade Organization about a tariff-free trade regime in renewable energy technologies. A panel with representatives from the industry as a whole and leading U.S. and Chinese manufacturers will discuss these issues and the prospects for growth in solar power.

Moderator: *Hon. Eric Callisto* - Chair, NARUC Committee on International Relations, Wisconsin

Panelists: *Mr. John Smirnow* - Vice President of Trade and Competitiveness, Solar Energy Industries Assoc

Ms. Polly Shaw - Vice President, Government Affairs, SunEdison LLC

Yingli Solar -TBA



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International Relations

Committee on International Relations (continued)

Sunday, November 16

1:00pm - 5:00pm

Yerba Buena Salon 1 -3

4:30pm **A New Collaboration for NARUC?**

The University of Calgary's School of Public Policy is engaged in a number of collaborative efforts with energy regulators and policy makers outside North America. This presentation will describe those efforts and discuss possibilities of collaboration with the Committee on International Relations, notably the occasional exchange of lessons learned and best practices.

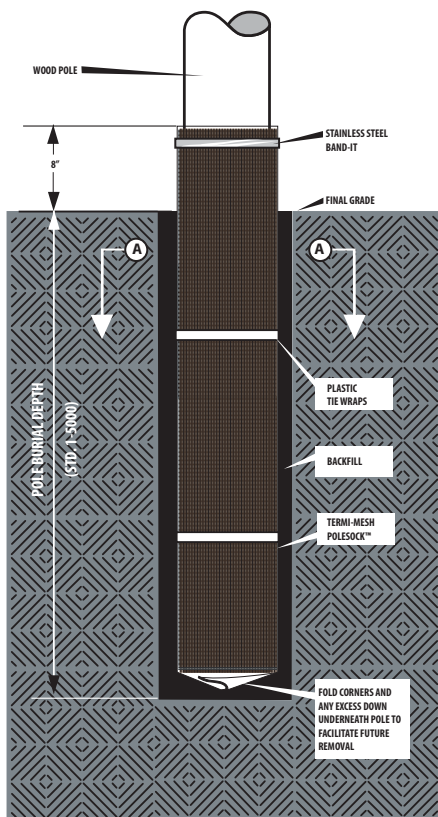
Moderator *Hon. Eric Callisto* - Chair, NARUC Committee on International Relations, Wisconsin

Panelist: *Mr. Gaetan Caron* - Executive Fellow, Extractive Resource Governance Program, School of Public Policy, University of Calgary

4:50pm **Update on NARUC international programs**

A status report on bilateral partnerships and regional programs and ongoing development of the monitoring and evaluation initiative.

Ms. Erin Hammel - Director of International Programs, NARUC



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Telecommunications

Subcommittee on Telecommunications

Sunday, November 16

9:00am - 4:00pm

Yerba Buena Salon 4 - 6

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

- * 706 Joint Conference Update
Bill Johnston (California)
- * NRRI Report -
Sherry Lichtenberg
- * RUS Report -
Keith Adam

10:00am **FCC Report**

Speakers: *Carol Matthey*-Deputy Chief of WCB, FCC
Travis LeBlanc-Bureau Chief, Enforcement Bureau, FCC

10:30am **Networking Break**

10:45am **Scams, Crams and Lambs - Consumer Telecom Issues**

This panel will look at the latest trends in telecom and cable consumer complaints, their sources, and their resolutions. We will look at recent FCC and FTC enforcement actions and Notices of Liability, and the creative efforts by State and federal regulators to detect and deter waste, fraud and abuse. We will also hear an academic's perspective on the ever-changing telecom and cable market and its challenges for regulators and consumers.

Moderator: *Karlen Reed*-Director, Competition Division, Massachusetts Department of Telecommunications and Cable

Panelists: *Travis LeBlanc*-Bureau Chief, Enforcement Bureau, Federal Communications Commission
Joslyn Day-Consumer Director, Massachusetts Department of Telecommunications and Cable
Charles Davidson-Director, Advanced Communications Law, New York University Law School
David C. Bergmann-Attorney, Telecom Policy Consulting for Consumers

12:00pm **Lunch (on your own)**





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Telecommunications

Staff Subcommittee on Telecommunications (continued)

Sunday, November 16

9:00am - 4:00pm

Yerba Buena Salon 4 - 6

1:15pm **Rural Reform: Old Wine and New Bottles**

Support for high cost rural areas is an old wine in Federal Communications Commission public policy. It has been three years since the FCC issued its monumental order which provides new wine in supporting public policy for telecommunications in rural America. The FCC order reforms intercarrier compensation and universal service from support for the current network delivery of voice alone to a new broadband network that still delivers voice but can also provide data and video. The FCC is initially focused on reforms to the support provided in the rural areas of price-cap carriers. Those reforms may migrate to the support now provided to rural carriers who are not price-cap carriers as well. During this transition, the FCC has modified portions of the reforms in response to concerns or, alternatively, has solicited public input on sometimes controversial issues. This includes unsubsidized competitors, CAF II support calculations, and how to conduct auctions that will occur a carrier refuses CAF II support. This panel will address what State commissions and their staff should know about these issues, the possible impact in their state, and what state staff should focus on. To do that, the panelists will discuss (1) Where they agree with the FCC; (2) Where they disagree with the FCC; (3) What the future holds (4) What additional adjustments are needed; and (5) the states' role now and going forward.

Moderator: *Joe Witmer*-Attorney, Office of Commissioner Gladys Brown, Pennsylvania Public Utility Commission

Panelists: *John F. Jones*-Vice President, Policy & Federal Legislative Affairs, CenturyLink

Chuck Evilsizer, Esq.-Attorney, Evilsizer Law Office, Montana

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

Mary J. Sisak-Partner, Blooston, Mordkofsky, Dickens, Duffy & Prendergast, LLP

Regina Costa-Telecommunications Policy Director, The Utility Reform Network (TURN)

2:45pm **Networking Break**

3:00pm **Final Resolution Discussion**

4:00pm **Adjourn Subcommittee Meeting**



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126th Annual Meeting



Telecommunications

Committee on Telecommunications

Monday, November 17

9:00am - 11:45am

Yerba Buena Salon 4 - 6

9:00am **New and Expanded State Authority on Broadband with Section 706 - A primer on what States can do.**
Since its inclusion in the 1996 Telecommunications Act, Section 706 has been used by States in varying degrees to "encourage the deployment" of what were then deemed to be "advanced services." Early in 2014 the U.S. Court of Appeals for the District of Columbia in *Verizon v. Federal Communications Commission* in ruling on the Federal Communications Commission's Open Internet Order stated "Congress has granted regulatory authority to State telecommunications commissions on other occasions, and we see no reason to think that it could not have done the same here." How does the D.C. Circuit decision affect the interpretation of the scope of State jurisdiction under 706? Is this new authority for State commissions or like Dorothy's ability to click her heels to go home, a power the States had all along since 1996? How are States using 706 authority to "encourage the deployment" of advanced services. What are States contemplating in the light of the D.C. Circuit's reading of Section 706? Should States use this authority to regulate advanced services? If so, what forms might this regulation take and what are the State or federal limits of that authority?

Moderator: *Chris Nelson* - Chair, NARUC Committee on Telecommunications, South Dakota

Panelists: *Gregg Sayre* - Commissioner, New York

Paul Kjellander - President, Idaho

Lindsay Brown - Senior Attorney, Office of Ratepayer Advocates, CPUC

Rick Cimerman - Vice President, External and State Affairs, National Cable & Telecommunications Assoc.

Michael Santorelli - Director, Advanced Communications Law and Policy Inst.(ACLP) at NY Law School

Barbara Cherry - Professor, Department of Telecommunications at Indiana University

10:45am **Committee on Telecommunications Business Meeting**

Chris Nelson - Chair, NARUC Committee on Telecommunications, South Dakota

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

Cathy Sandoval - Co-Vice Chair, NARUC Committee on Telecommunications, California



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126th Annual Meeting



Water

Committee on Water

Monday, November 17

9:00am - 11:45am

Yerba Buena Salon 1- 3

- 9:00am **State of the Water Industry Update: The Biggest Challenges Facing Water and Wastewater Utilities**
Panelists representing large investor-owned utilities, small water companies, and consumer groups will engage in a roundtable discussion of the salient issues facing the water and wastewater industries. Topics will include challenges and best practices in accelerating the replacement of aging infrastructure, emerging physical and cyber security threats, access to capital for increasing expenditures, environmental compliance, and other insights into the emerging regulatory challenges of the future.
Moderator; *Hon. Mary-Anna Holden* - Commissioner, New Jersey
Panelists: *Robert MacLean* - President, California American Water
Lawrence M. Morales - Vice President & General Manager, East Pasadena Water Company
Nick DeBenedictis - Chairman, President & CEO, Aqua America, Inc.
Matt Klein - Executive Director of Technical Operations, Indiana Office of Utility Consumer Counselor
- 10:00am **Updates from the Water Committee's Valued Partners**
Speakers NAWC
NRRI
WRF
NARUC
IPU MSU - Rate School
- 10:15am **Networking Break**
- 10:30am **The Smart Water Grid: Developments in Smart Water Technology and Customer Data Solutions that are Driving Customer Engagement and Conservation**
Numerous States are facing water supply challenges and are exploring innovative methods to encourage customers to more closely monitor their water usage. Panelists will explore and discuss developments in smart water meter technology, customer usage software applications, and the opportunities for utilities and State commissions to empower customers to take greater control of their water bills.
Moderator: *Hon. Alaina Burtenshaw* - Chairman, Nevada
Panelists: *Andrew Ulmer* - Senior Director of Client Solutions, WaterSmart Software
Christian Anderson - Director of Channel Management, Itron
David Stanton - President, Regulated Segment, United Water
- 11:15am **Water Committee Business Meeting**



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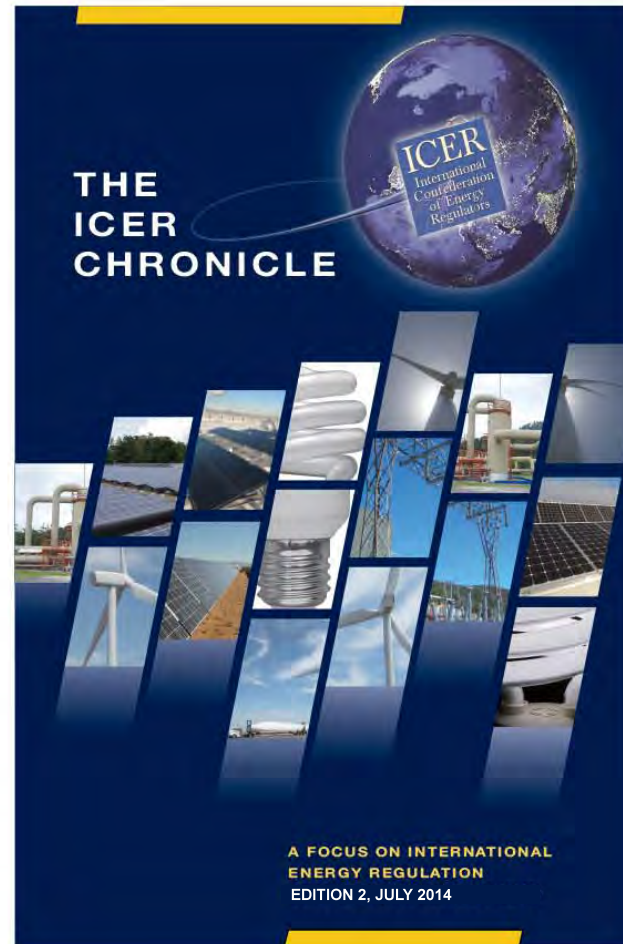
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State Approved CLE

Be sure to get a certificate of attendance while at the Annual Meeting in San Francisco. Certificates will be available at the NARUC Registration Desk beginning Tuesday, November 18, at 1:00 p.m. Please pick up your certificates by 12:00pm. on Wednesday, November 19. Certificates of attendance are not distributed after the meeting. It is the responsibility of the individual to collect any handouts required by their State accreditation board. For questions after the meeting, contact Lennie Noblezada at (202) 898-2202 or lnoblez@naruc.org

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

State	General Hours	Ethic Hours
Alabama	9.00	1.30
Arkansas	7.75	1.25
California	Pending	
Colorado	5.00	
Georgia	7.80	1.30
Indiana	8.8	1.30
Iowa	7.75	1.25
Kansas	7.50	
Maine	9.00	1.25
Minnesota	5.00	
Mississippi	9.00	1.25
Montana	7.75	1.25
Nevada	9.00	1.00
New Mexico	8.90	1.20
Ohio	9.00	1.25
Oregon	6.75	
Pennsylvania	14.50	0.50
South Carolina	9.00	1.25
Texas	7.50	1.25
Utah	7.00	1.00
Vermont	9.00	1.25
West Virginia	10.80	1.50
Wyoming	9.00	1.25



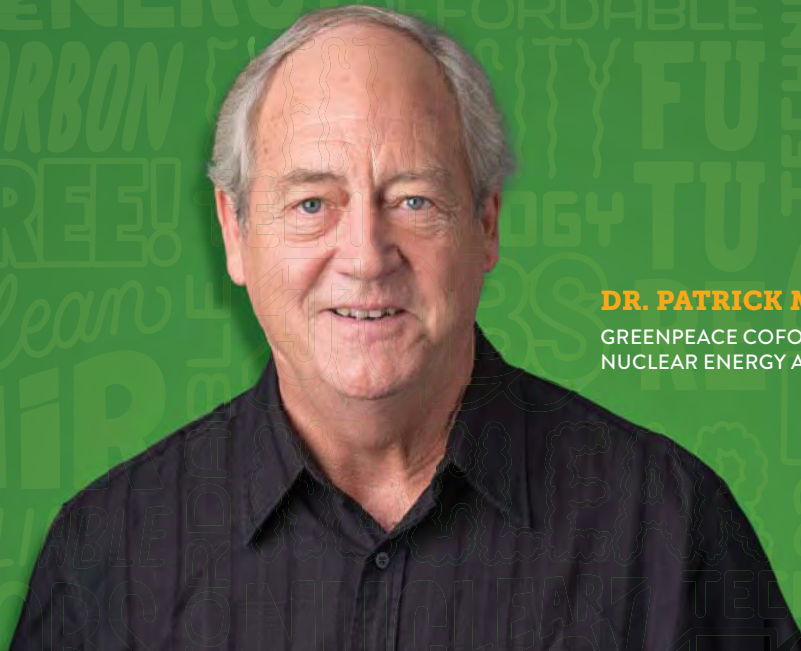
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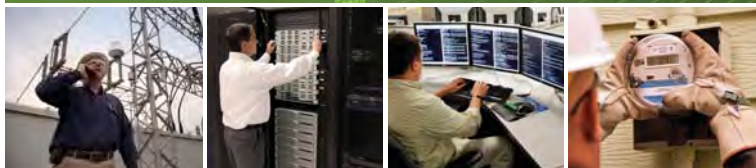
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Upcoming Meetings

NARUC Meetings

Contact: Michelle Malloy
mmalloy@naruc.org

2015 Winter Committee Meetings

Washington, DC
Renaissance Washington Hotel
February 15 - 18, 2015

2015 Summer Committee Meetings

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

127th NARUC Annual Meeting

Austin, TX
JW Marriott
November 8 - 12, 2015

2016 NARUC Winter Committee Meetings

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

2016 NARUC Summer Committee Meetings

Nashville, TN
Omni Nashville
July 24 - 27, 2016

128th NARUC Annual Meeting

LaQuinta, CA
LaQuinta Hotel
November 13 - 16, 2016

Regional Meetings

2015 Western Conference

Phoenix, AZ
Arizona Biltmore
May 01 - June 3, 2015
Contact: Susan Bitter Smith
sbittersmith@azcc.gov

MARC 2015

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

2015 NECPUC Symposium

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

2015 SEARUC Conference

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

MACRUC 20th Annual Education Conference

Williamsburg, VA
The Williamsburg Lodge
June 21 - 24, 2015
Contact: Michelle Malloy
mamalloy@naruc.org

2014 NASUCA Annual Meeting

November 16-19th

Sunday, November 16th

San Francisco Marriott Marquis

Golden Gate C 1-2

1:00-5:00 p.m.

Registration

2:00-5:00 p.m.

Workshop on 111(d)

Moderator: **Robert Mork**, Deputy Consumer Counselor, Indiana Office of Utility Consumer Counselor, Indianapolis, IN

Speakers:

Ken Colburn, Regulatory Assistance Project, Montpelier, VT

Holly Rachel Smith, NARUC, Washington, D.C.

David Terry, National Association of State Energy Officials, Arlington, VA

Craig Glazer, PJM, Audubon, PA

Elizabeth Stanton, Synapse Energy Consultants, Cambridge, MA

Megan Ceronsky, Environmental Defense Fund, New York, NY

5:00-6:30 p.m.

NARUC President's Reception

(NASUCA and NARUC Members Only)

Yerba Buena Salon 9

Monday, November 17th

Golden Gate C 1-2

8:00 a.m.

Registration

8:30-9:30 a.m.

Continental Breakfast

9:00-11:00 a.m.

Closed Business Meeting (*NASUCA Members*)

Election of Officers

Committee Reports/Presentation of Resolutions

Officer Reports

Presentation of Budget

Roll Call of the States

EEI Consumer Guide for Solar

11:00-12:00 noon

“Statewide Construction of Natural Gas Pipelines and Electric Transmission Lines”

The panelists will discuss their state's experiences with Gas, Electric and Crude Oil Transmission expansion so that NASUCA members know about the issues they are going to have to deal with when these new gas, oil and electric lines are proposed in their state. The discussion will focus on procedural issues related to siting and eminent domain in relation to the building of new transmission lines.

Moderator: **Joseph W. Rogers**, Assistant Attorney General, Massachusetts Office of the Attorney General, Boston, MA

Panelists:

Mark R. Schuling, Iowa Consumer Advocate, Office of the Cons. Advocate, Des Moines, IA

Jesse Reyes, Chief of the Massachusetts Attorney General's Energy and Telecommunications Division, Massachusetts Office of the Attorney General, Boston, MA

Dustin Allison, Missouri Public Counsel, Missouri Office of the Pub Office,

- 12:00-2:15 p.m. **Lunch** (on your own) NASUCA Heads of Office Lunch
- 2:15- 3:15 p.m. **Session with NARUC: A 21st Century Framework for the Internet and Television Industry**
Michael K. Powell, former Chairman of the Federal Communications Commission and current President & CEO of the National Cable & Telecommunications Association will address attendees of the 126th Annual Meeting.
- 3:30-4:30 p.m. ***50 Shades of Cost-Shifting: The View from Arizona, California and Other States on the Front Lines***
Tracking the Rate Impacts of Distributed Energy Resources
- Moderator: **Elin Swanson Katz**, CT Consumer Counsel, Office of Consumer Counsel, New Britain, CT
- Speakers:
Dave Peck, Program Supervisor, California Public Utilities Commission, Office of Ratepayer Advocates, San Francisco, CA
Lon Huber, Special Projects Advisor, Arizona's Residential Util. Consumer Office, Phoenix AZ
Janine Migden-Ostrander, Principal, The Regulatory Assistance project, Columbus, OH
- 4:30-5:30 p.m. ***"Have I Got a Deal for You!"***
Recent Developments and Reforms for Retail Energy Markets
- Moderator: **Leslie Mehta**, Staff Attorney, The Utility Reform Network (TURN), CA
- Panelists:
Barbara R. Alexander, Consumer Affairs Consultant , ME
Victoria P. Hackett, Staff Attorney, Office of Consumer Counsel, CT
Hon. John W. Betkoski, III, Vice Chair, Connecticut Public Utilities Regulatory Authority, New Britain, CT
- 7:00 p.m. **NASUCA Dinner Event-Sponsored by Synapse Energy Consultants, Cambridge, MA**
Johnny Foley's
243 O'Farrell Street

Tuesday, November 18th

Golden Gate C 1-2

- 8:30 a.m. Registration
- 8:30-9:30 a.m. Continental Breakfast
- 9:00-11:00 noon **Closed Business Meeting (NASUCA Members)**
Vote on Resolutions
Roll Call of the States
- 11:00-12:00 ***111(d): Report by Synapse Energy Consultants on Tool Kit for State Compliance***
- Presenters:
Bruce Biewald, CEO & Founder, Synapse Energy Consultants, Cambridge, MA
Elizabeth Stanton, Senior Economist, Synapse Energy Consultants, Cambridge, MA

- 12:00-2:00 p.m. **Lunch** (*on your own*)
- 2:00-3:00 p.m. ***“Whose Generation Is It Anyway?”***
Examining the roles of state and federal regulation in resource planning decision-making
- 3:00-4:00 p.m. ***“Truth or Consequences: The Connection Between Accurate Broadband Mapping and Reliable Communications Services”***
Access to broadband services is now essential for full participation in society. The networks used to provide broadband service include "middle mile" facilities that also transport other essential services in addition to broadband, including ILEC wireline, wireless and services provided by competing providers, and are therefore essential for public safety. NTIA, the FCC and some states have collaborated on broadband mapping efforts. By and large, the mapping efforts have been fraught with problems and have failed to provide an accurate picture of where support should be targeted. This session will address these issues from four perspectives - a state official tasked with determining where public funds should be spent, grassroots activists from rural areas in California who have developed unique and innovative methods of documenting the true availability of broadband service, a case study demonstrating the crucial nature of middle mile facilities and a discussion of state authority to address broadband facilities and availability under Section 706.
- Moderator: **Regina Costa**, Telecom Policy Director, The Utility Reform Network (TURN)
Panelists:
William Vallee, State Broadband Policy Coordinator, CT Office of Consumer Counsel, New Britain, CT
Peter J. Pratt, Marin County Manager for the North Bay-North Coast Broadband Consortium; Executive Director, Rural Mobile and Broadband Alliance, Marin County
Jim Moorhead, Chair, Broadband Alliance of Mendocino County, Laytonville, CA
Representative from the Office of Ratepayer Advocates, CA PUC
- 4:00-5:15 p.m. ***“Public Private Partnership; Is it Good for Consumers?”***
This session will illustrate the collaborative one billion dollar undergrounding project by the District of Columbia and Potomac Electric Power Company (Pepco). Are regulators are modifying the rules for utility business models while applying increased expectations of reliability, resiliency and customer engagement? In addition, this panel will provide perspectives from the water industry, and the oil and gas exploration Company on public private partnership
- Moderator: **Naunihal “Nick” Singh Gumer**, Director, Regulatory Finance DC Office of the Peoples Counsel, Washington, DC
Panelists:
Betty Ann Kane, Chairman, DC Public Service Commission, Washington, DC
Chris Faulkner, CEO and President, Breitling Energy, Dallas, TX

Wednesday, November 19th

Concurrent Sessions

9:15- 10:30 a.m. *NASUCA Consumer Issue Roundtable* *Foothills*

10:30 -11:45 a.m. ***Joint Closing Session with NARUC-Are you ready for your Close Up?***

Golden Gate A

The Clean Power Plan. Pipeline Safety. Ride-sharing services. Infrastructure Replacement. The issues pending before State utility commissions are hotter than ever before, and so is the spotlight. With States setting the pace on some of the most significant challenges in the country, the focus on commission business is growing. National, well-funded stakeholder groups are intervening in State proceedings which, in turns, brings heightened media attention. Is your agency prepared for the spotlight? In this session, a diverse panel of commissioners will discuss how they are dealing with this new paradigm. Attendees will learn about ways to communicate with the public and the press, along with other kinds of challenges that may arise from this heightened attention. Are you ready for your close-up?

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

Panelists:

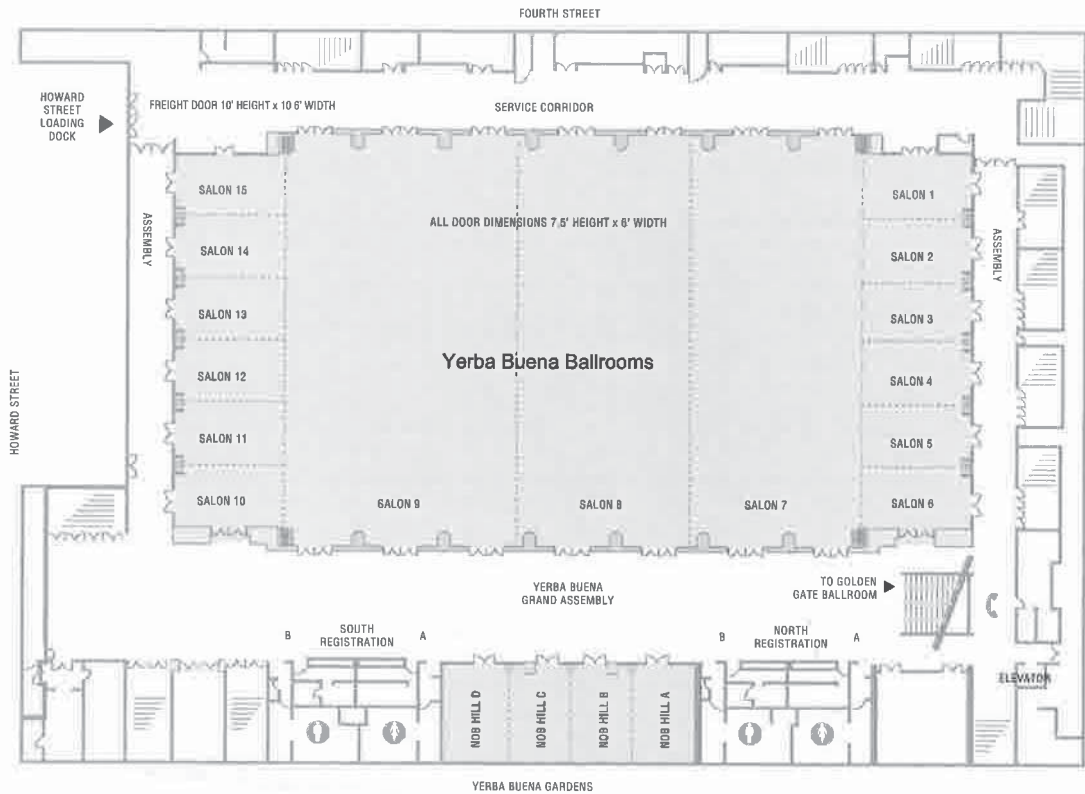
Hon. Gladys Brown, Commissioner, Pennsylvania

Hon. Brian Kalk, Commissioner, North Dakota

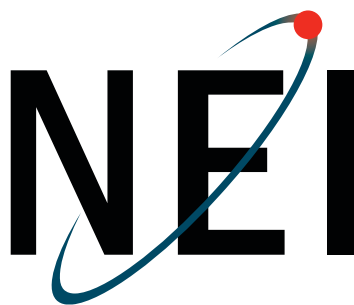
Hon. Stan Wise, Commissioner, Georgia

Hon. Mary Anna Holden, Commissioner, New Jersey

Robert Nelson, NASUCA President, Montana Consumer Counsel



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**NARUC
1101 Vermont Ave., NW
Suite 200
Washington, DC 20005
202-898-2200**