STATE OF NEW HAMPSHIRE

Honorarium or Expense Reimbursement Report (RSA 15-B)

Type or Print all Information Clearly:

Name: Randall S. Knepper (First / Middle / Last) Work Phone No. 603-271-6026

Work Address: 21 S. Fruit St., Ste 10, Concord, NH 03301-2429

Office/Appointment/Employment held: Director, Safety & Security

List the full name, post office address, occupation, and principal place of business, if any, of the source of any reportable honorarium or expense reimbursement. When the source is a corporation or other entity, the name and work address of the person representing the corporation or entity in making the honorarium or expense reimbursement must be provided in addition to the name of the corporation or entity.

Source of Honorarium or Expense Reimbursement:

Name of source: National Association of Regulatory Utility Commissioners (NARUC) (First / Middle / Last)

Post Office Address: 1101 Vermont Avenue, NW, Suite 200, Washington, DC 20005

Occupation: Non-profit association to which NHPUC pays member dues.

Principal Place of Business: 1101 Vermont Avenue, NW, Suite 200, Washington, DC 20005

If source is a Corporation or other Entity:

Name of Corporation or Entity: NARUC

Name of Corporate/Entity Representative: Debbie Scott

Work Address of Representative: 1101 Vermont Avenue, NW, Suite 200, Washington, DC 20005

Food and/or beverages consumed pursuant to RSA 15-B:6, II with **value over $25.00** ☐

Value of Honorarium: _____ Date Received: _____ ***If exact value is unknown, provide an estimate of the value of the gift or honorarium and identify the value as an estimate.*** ☐ Exact ☐ Estimate

Value of Expense Reimbursement: $1,038.00 Date Received: 11/25/14 ***A copy of the agenda or an equivalent document must be attached to this filing.*** ☒ Exact ☐ Estimate

Briefly describe the service or event this Honorarium or Expense Reimbursement relates to: Partial Travel subsidy for chairing pipeline safety sub-committee at the NARUC Annual meeting held November 15-19, 2014 in San Francisco, CA.

"I have read RSA 15-B and hereby swear or affirm that the foregoing information is true and complete to the best of my knowledge and belief."

Randall Silkn 11/26/14

Signature of Filer Date Filed

9/07

RSA 15-B:9 Penalty. Any person who knowingly fails to comply with the provisions of this chapter or knowingly files a false report shall be guilty of a misdemeanor.

Return to: Secretary of State's Office, State House Room 204, Concord, NH 03301

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NEW HAMPSHIRE
DEPARTMENT OF STATE

NARUC Annual Meeting

Program by Day

Agenda and times are subject to change

Saturday, November 15		
8:30 AM-10:45 AM	**Staff Subcommittee on Telecommunications (closed)**	Yerba Buena Salon 4 - 6
11:00 AM-5:00 PM	**Staff Subcommittee on Telecommunications**	Yerba Buena Salon 4- 6

11:00 AM **Reports from NARUC**

* Litigation Report - *Brad Ramsay (NARUC)*

* Legislative Report - *Brian O'Hara (NARUC)*

11:15 AM **Joint Board Reports**

* Separations (80-286) - *George Young (Vermont)*

* Universal Service (96-45) -

11:30 AM **Subgroup Leader Reports**

* Technology & Service Quality - *Jeff Richter (Wisconsin)*

* Federal Regulation & Legislation - *Joe Witmer (Pennsylania)*

* State Regulation - *Lynn Notarianni (Colorado)*

* Consumer Issues - *Karlen Reed (Massachusetts)*

12:00 PM **Lunch (On your own)**

1:15 PM **Municipal Broadband: Rural Savior, COLR Replacement, Competition Killer, Or Just the Devil in Disguise?**

The universal availability of broadband is a key goal for the states and the Federal Communications Commission, but getting to that point will be a difficult process. FCC Chairman Tom Wheeler has pointed to municipal networks as an important means to ensure universal access to broadband, but 20 states have either legislatively prohibited the deployment of these networks completely or created conditions that make implementation difficult if not completely impossible. This panel will address both sides of the question of municipal networks - can they bring broadband to unserved and underserved areas; might they provide some sort of "carrier of last resort" services in areas where the IP transition may leave some customers with limited or no voice options? Or are municipal networks finacial drains and competition killers, pricing services at a level that will drive out other players leaving states and cities with the costs of their failure? With the FCC poised to act on two petitions to preempt state barriers to entry, we expect a lively

and informative discussion.

Moderator Sherry Lichtenberg, Ph.D. - Principal Researcher for Telecommunications, NRRI

Panelists Corynne McSherry - Intellectual Property Director, Electronic Frontier Foundation
Joe Franell - CEO - Eastern Oregon Telecom & Chairman - Oregon Broadband Advisory Council
Robert Mayer - Vice President - Industry and State Affairs, US Telecom
Chuck Davidson - Director, Advanced Communications Law, New York University Law School
William Vallee - State Broadband Policy Coordinator, State of Connecticut

2:30 PM **Review the federal Universal Service Fund Contributions Reform Record**

This discussion lead by State staff will focus on the FCC record on contribution reform and identify issues that are before the Federal-State Joint Board on Universal Service.

Moderator George Young - Policy Director and Dept. General Counsel, Vermont Public Service Board

Panelists Jonathan Lakritz - Program Manager, Consumer Programs Branch, Communications Division, CPUC
Sindy Yun - Staff Counsel, Legal Division, CPUC

3:45 PM **Initial Presentation and Discussion of Resolutions**

4:15 PM **Industry Resolution Reaction**

5:00 PM **Adjourn for the Day**

12:00 PM-3:00 PM **Subcommittee on Education and Research** Sierra B - Fifth Floor

12:00 PM **Closed Executive Session**
Working lunch for Committee and Staff Subcommittee members only

1:00 PM **Welcome and Introductions**
Hon. Jim Gardner - Chair, Subcommittee on Education and Research, Kentucky Public Service Commission

1:05 PM **Approval of Minutes**

1:10 PM **NRRI Update**
Dr. Rajnish Barua - Executive Director, NRRI

1:25 PM **ICER VWG 4: Regulatory Best Practices**
Hon. Jack Betkoski, III - Commissioner, Connecticut Public Utilities Regulatory Authority

1:35 PM **Update on Subcommittee Projects**

*2014 Summer Internships (NARUC & CFEBA) *2015 Summer Internships (NARUC & CFEBA) *New Commissioner Regulatory Orientation *Other

Erin Hammel - Director, International Programs, NARUC

1:50 PM **Review of Applications for Support**

Erin Hammel - Director, International Programs, NARUC

2:05 PM **Scholarships Report**

Erin Hammel - Director, International Programs , NARUC
Sue Daly - Chair, Staff Subcommittee on E&R, Public Utilities Commission of Ohio
Eddie Ortiz - Manager, Regulatory Outreach, Edison Electric Institute

2:20 PM **Certificate of Continuing Regulatory Education (CCRE) Update**

Review certificate criteria, marketing materials, and enrollment statistics, as well as discuss strategies going forward.

Dr. Jan Beecher - Director, Institute of Public Utilities, Michigan State University

2:35 PM **New Business**

2:45 PM **Adjourn**

3:00 PM-3:30 PM	*Networking Break*	Yerba Buena Foyer
3:00 PM-5:00 PM	**Executive Committee**	#3249
5:30 PM-6:30 PM	**NRRI Board Meeting (closed)**	Sierra B -Fifth Floor

Sunday, November 16

7:30 AM-9:00 AM	*Continental Breakfast*	
8:00 AM-6:30 PM	*NARUC Registration Desk*	Yerba Buena Foyer
9:00 AM-10:15 AM	**Staff Subcommittee on Electric Reliability**	Golden Gate B

9:00 AM **Trouble in Texas**

Increased wind generation is causing grid stability problems in the Lone Star State and a dispute as to which entities should pay to address it.

Speaker TBA

9:35 AM **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 - Sr. VP of Engineering, American Public Power Association

9:00 AM-10:15 AM **Washington Action** Yerba Buena Salon 12
(Closed Meeting)

9:00 AM-11:45 AM **Staff Subcommittee on Consumer Affairs** Nob Hill

9:00 AM **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 3rd party installer goes out of business.

Moderator Phil Boyle - Manager, Consumer Services Section, Oregon PUC

Panelists Yochi Zakai - Policy Advisor, Washington Utilities and Transportation Commission
Kimberly Fontan - VP, Regulatory Affairs, Entergy
Lon Huber - Energy Policy Specialist, Arizona Residential Utility Consumer Office

10:15 AM **Networking Break**

10:25 AM **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 - Assistant Director - Comsumer Protection, Washington Utilities and Transportation Commission

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

Phil Enis - Program Manager - Consumer Service and Information Division, California Public Utilities Commission

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

11:45 AM **Adjourn**

9:00 AM-11:45 AM **Subcommittee on Clean Coal** Yerba Buena Salon 1 - 3

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

Dr. Victor Der, The Global CCS Institute

9:45 AM **U.S. Department of Energy Update**

Doug Middleton, U.S. DOE Fossil Energy

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

Tom Sarkus, National Energy Technology Laboratory

10:45 AM **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

Resolutions

9:00 AM-11:45 AM **Subcommittee on Utility Marketplace Access** Golden Gate A

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

Opening Remarks from Chairwoman Nikki Hall

Hon. Nikki Hall - UMA Chairwoman and Chair, South Carolina PSC

9:05 AM **Toolkit Update**

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

Laurie Dowling - Executive Director, National Utilities Diversity Council

9:20 AM **Techniques to Securing Funding**

Moderator Hon. Robert S. Kenney - Chairman, Missouri Public Service Commissio

Panelists Hon. Sherina E. Maye - Commissioner, Illinois Commerce Commission
TBD
TBD
TBD
TBD

10:15 AM **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 Carla J. Peterman - Commissioner, California PSC

Panelists Jose Perez - Chairman and CEO, Hispanics in Energy
Nancy Pfund - Managing Partner, DBL Investors
Darlene R. Currie - Co-Founder/CEO Kota Global Social Ventures, LLC & Founder, Global Social Impact Fund
Roxanne Petteway - CEO, Petteway Management, LLC

11:00 AM **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 - UMA Chairman and Commissioner, South Carolina PSC

Panelist Thomas Linquist - Executive Director, Russell Reynolds

11:35 AM **Committee Business**

- Agenda Topics for NARUC Winter Meetings in Washington DC
* PJM/ISO Discussion
* Other items

Hon. Nikki Hall - UMA Chairman and Commissioner, South Carolina PSC

9:00 AM-4:00 PM **Staff Subcommittee on Telecommunications** Yerba Buena Salon 4 - 6

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

* 706 Joint Conference Update - *Bill Johnston (California)*

* NRRI Report - *Sherry Lichtenberg*

* RUS Report - *Keith Adams*

10:00 AM **FCC Report**

Speaker Carol Mattey - Deputy Chief of WCB, FCC

10:30 AM **Networking Break**

10:45 AM **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 also 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 industry perspective on handling consumer complaints.

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
Curt Stamp - Director - Regulatory Affairs - OK/KS/AR, Cox Communications
David C. Bergmann - Attorney, Telecom Policy Consulting for Consumers

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

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

It has been three years since the Federal Communications Commission issued its monumental order reforming intercarrier compensation and universal service support for telecommunications in rural America. The FCC reforms are intended to transition the current voice network to a broadband network capable of supporting voice, data and video. The FCC has primarily focused on transition implementation in rural areas served by the large incumbent

local exchange carriers and along the way, has modified portions of the reforms in response to developments. The FCC is further considering other adjustments to the CAF II support and the possibility of auctions are looming. This panel will focus on what the State commissions' and their staff should understand about the possible impacts to their consumers and industry by addressing: (1) Where they agree with the FCC; (2) Where they disagree with the FCC; (3) What the future holds; and (4) What additional adjustments are needed to make this reform work in the short and long-term. The panelists will also address what focus they believe the State commissions' and their staff must have going forward.

Moderator Joe Witmer - Attorney, Office of Commissioner Gladys Brown, Pennsylvania Public Utilities 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
Regina Costa - Telecommunications Policy Director, The Utility Reform Network (TURN)
Mary J. Sisak - Partner, Blooston, Mordkofsky, Dickens, Duffy & Prendergast, LLP

2:45 PM **Networking Break**

3:00 PM **Final Resolution Discussion**

4:00 PM **Adjourn Subcommittee Meeting**

9:00 AM-5:00 PM **Subcommittee/Staff Subcommittee on Pipeline Safety (closed meeting)** Yerba Buena Salon 13 - 14
This meeting for members only.

10:00 AM-10:35 AM **Networking Break** Yerba Buena Foyer

10:30 AM-11:45 AM **Staff Subcommittee on Electricity** Golden Gate B

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

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

11:00 AM **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

three experts to react to a particularly upbeat news cast regarding Germany's transition to renewables and help us understand the positive and no-so-positive aspects of that country's energy policies.

Moderator Hon. Ellen Nowak - Commissioner, Wisconsin

Panelists Dr. Lola Infante - Dir.of Generation Fuels and Market Analysis, EEI
Jurgen Weiss - Principal, The Brattle Group
Bentham Paulos - Consultant, PaulosAnalysis
Julia Hamm - Director, SEPA

10:30 AM-11:45 AM	**Task Force on Environmental Regulation & Generation** Closed Meeting	Yerba Buena Salon 12
10:30 AM-12:45 PM	**New Commissioner Forum (New Commissioners Only)**	Yerba Buena Salon 10 - 11
11:00 AM-5:00 PM	**Staff Subcommittee on Energy Resources & Environment** Joint with Staff Subcommittee on Electricity See their agenda for details	Golden Gate B

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

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

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

1:00 PM-5:00 PM	**Committee and Staff Subcommittee on Critical Infrastructure**	Golden Gate A

1:00 PM **Welcome & Introductions**

Speakers Hon. Carolene Mays-Medley (IN) - Committee Chair
Hon. Swain Whitfield (SC) - Committee Vice-chair
Thomas Pearce - Staff Subcommittee Chair

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

Speaker Invited Representatives

1:30 PM **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.

Hon. Carolene Mays-Medley - Vice-Chair, Indiana Utility Regulatory Commission

2:30 PM **Break**

2:45 PM **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.

3:15 PM **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-Chairman, South Carolina Public Service Commission

Panelists Hon. Philip Jones - Commissioner, Washington Utilities and Transportation Commission
Hon. James Gardner - Vice-Chairman, Kentucky Public Service Commission

4:30 PM **Committee Business Meeting**

Hon. Carolene Mays-Medley - Committee Chair

5:00 PM **Adjourn**

1:00 PM-5:00 PM **Committee on Consumer Affairs** Nob Hill

1:00 PM **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 Public Utililties Regulatory Authority

Panelists David Farnsworth - Senior Associate, Regulatory Assistance Project
Alissa Burger - Senior Associate, Institute for Market Transformation

2:15 PM **Networking Break**

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

Moderator Hon. John Colgan - Commissioner, Illinois Commerce Commission

Panelists John Howat - Senior Policy Analyst, National Consumer Law Center
Katrina McMurrian - Executive Director, Critical Consumer Issues Forum

3:15 PM **Business Meeting**

3:25 PM **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

3:45 PM **New Thinking about Newly Emerging Utility Customers**

John Ashford - Chairman, The Hawthorn Group

5:00 PM **Committee Adjourn**

1:00 PM-5:00 PM **Committee on International Relations** Yerba Buena Salon 1-3
1:00 PM-5:00 PM **Staff Subcommittee on Gas** Golden Gate B

1:00 PM **Welcome and Introductions**

Bob Reed - Natural Gas Director, Alabama Public Service Commission
Jack Keegan - Policy Advisor, Public Utilities Commission of Ohio

1:05 PM **Above or Below the Line: Where Should the Cut Be?**

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, Bill Steele and Associates

2:00 PM **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

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

TBD, American Gas Association

3:10 PM **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

3:45 PM **Networking Break**

4:00 PM **Joint Meeting with LNG Working Group CLOSED**

Thomas K. Blanchat, PhD, Sandia National Laboratory

5:00 PM **Adjourn**

1:00 PM-5:00 PM **Staff Subcommittee on Information Services** Sierra I

1:00 PM **Welcome, introductions and agenda discussion** (Sierra 1)

Brent LeBlanc - Director, Information Technologies, Louisiana Public Service Commission

1:15 PM **The progress of Information Technologies at State Commissions** (Sierra 1)

Roundtable discussions of projects, plans, challenges and experiences

2:15 PM **Networking break**

2:30 PM **Creating a paperless PUC** (Sierra 1)

The Wisconsin experience with electronic document management.

Paul Newman - CIO, Public Service Commission of Wisconsin

3:45 PM **Networking break** (Sierra 1)

4:00 PM **Creating a paperless PUC: The Wisconsin Experience with Electronic Document Management (continued)** (Sierra 1)

Scott Zieg - Executive Director, ColumbiaSoft Corp.

4:30 PM **The first National PUC Dockets Database: AEE PowerSuite** (Sierra 1)

Eric Fitz - Director, Engineering and Development, Advanced Energy Economy

5:00 PM **Adjourn**

2:15 PM-2:30 PM	*Networking Break*	Yerba Buena Foyer
3:45 PM-4:00 PM	*Networking Break*	Yerba Buena Foyer
5:00 PM-6:30 PM	*Presidents Reception*	Yerba Buena Salon 9

Monday, November 17

7:30 AM-9:00 AM	*Continental Breakfast*	Yerba Buena Foyer
7:30 AM-8:45 PM	**Board of Directors Meeting** Breakfast will be provided to NARUC Board Members.	Golden Gate C3
8:00 AM-5:00 PM	*NARUC Registration Desk*	Yerba Buena Foyer
9:00 AM-11:45 AM	**Committee on Electricity**	Golden Gate A

9:00 AM **California Dreamin'?**

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

Moderator Hon. Carla Peterman - Commissioner, California Public Utilities Commission

Panelists Janice Lin , Clean Energy States Alliance
James Avery - Senior VP - Power Supply, San Diego Gas and Electric

10:15 AM **Business Meeting**

10:30 AM **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 Public Utilities Commission

Panelists Hon. Philip Jones - Commissioner, Washington Utilities and Transportation Commission
Hon. Bob Anthony - Commissioner, Oklahoma Corporation Commission
Joseph Giove - Director, Division of Large Carbon Management Projects, DOE

11:05 AM **Business Meeting continued**

9:00 AM-11:45 AM **Committee on Energy Resources and Environment** Nob Hill

9:00 AM **Welcome and Introductions**

Hon. Robert Kenney - Chair, NARUC Committee on Energy Resources and the Environment, Missouri Public Service Commission
Hon. James Gardner - Co-Vice Chair, NARUC Committee on Energy Resources and the Environment, Kentucky Public Service Commission
Hon. Kelly Speakes-Backman - Co-Vice Chair, NARUC Committee on Energy Resources and the Environment, Maryland Public Service Commission

9:10 AM **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, LBNL

10:30 AM **Networking Break**

10:45 AM **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

11:45 AM **Adjourn**

9:00 AM-11:45 AM **Committee on Gas** Golden Gate B

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

I. Call to Order

II. Roll Call

III. 9:05-9:40 Commissioner Balbis Panel

IV. 9:40-10:25 Commissioner Brighton Panel

V. 10:30-11:05 Co-Sponsored Panel with Electricity and IR Committees on China Trip

VI. 11:15-11:45 10 Minute Presentation by Joseph Ferrari with Wartsila, Adoption of Summer Gas Committee Business Meeting Minutes, Resolutions, Pending Committee Business

VII. Adjourn

Barry Smitherman - Chairman, NARUC Gas Committee
Susan Rabon - Vice Co-Chair, NARUC Gas Committee
Julie Fedorchak - Vice Co-Chair, NARUC Gas Committee

9:05 AM **Panel One**

9:05-9:40 Commissioner Balbis will moderate a panel on renewable energy projects combined with natural gas generation, demonstrating the natural affinity and dependency that renewable projects have with natural gas.

Moderator Eduardo Balbis - Commissioner, Florida Public Service Commission

Panelists Kelly A. Daly - Partner, Stinson Leonard Street LLP
Chrissy Camacho Borskey - Director- Government Affairs and Policy, Distributed Power, GE Power & Water

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

9:40-10:25 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 Public Service Commission

Panelists Jerry R. Fish - Esquire, Stoel Rives
Barrie L. McKay - Vice President of Regulatory Affairs and Energy Efficiency, Questar Gas Company

10:30 AM **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 Utilities and Transportation Commission
Bob Anthony - Commissioner, Oklahoma Corporation Commission

9:00 AM-11:45 AM **Committee on Telecommunications** Yerba Buena Salon 4 - 6

9:00 AM **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 - Vice Chairman, South Dakota PUC

Panelists Gregg Sayre - Commissioner, New York PSC
Paul Kjellander - President, Idaho PUC
Lindsay Brown - Senior Attorney, Office of Ratepayer Advocates, CPUC
Rick Cimerman - Vice President, External and State Affairs, National Cable & Telecommunications Association
Michael Santorelli - Director, Advanced Communications Law and Policy Institute (ACLP) at New York Law School
Barbara Cherry - Professor, Department of Telecommunications at Indiana University

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

Chris Nelson - Chairman, NARUC Committee on Telecommunications
Paul Kjellander - Vice-Chairman, Committee on Telecommunications
Cathy Sandoval - Vice-Chairwoman, Committee on Telecommunications

9:00 AM-11:45 AM **Committee on Water** Yerba Buena Salon 1- 3

9:00 AM **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.

Speakers 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.

10:00 AM **Updates from the Water Committee's Valued Partners**

Speakers NAWC
NRRI
WRF
NARUC
IPU MSU - Rate School

10:15 AM **Networking Break**

10:30 AM **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.

Speakers Andrew Ulmer - Senior Director of Client Solutions, WaterSmart Software
Christian Anderson - Director of Channel Management, Itron
David Stanton - President, Regulated Segment, United Water

11:15 AM **Water Committee Business Meeting**

9:00 AM-5:00 PM **Staff Subcommittee on Information Services** Sierra I

9:00 AM **The progress of Information Technologies at State Commissions, continued** (Sierra 1)
Roundtable discussions of projects, plans, challenges and experiences

10:15 AM **Networking break** (Sierra 1)

10:30 AM **STAR PSC** (Sierra 1)
The evolution of the leading COTS product for state Public Service Commissions and Utility Boards
Jim Andrews - Sales Manager, Iron Data
Terry Ussery - Project Manager, Iron Data

11:45 AM **Commissioner Emeritus Community Service Luncheon**
Commissioner and Commission Staff

1:00 PM **NARUC Election of Officers**

2:00 PM **A Consolidated Utilities Outage Reporting System** (Sierra 1)
A GIS based system developed for the Louisiana Public Service Commission to enhance utility restoration efforts during and after natural disasters.
Greg Rigamer - President, GCR Inc.
Brent LeBlanc - Director, Information Technologies, Louisiana Public

Service Commission

3:15 PM **Networking break** (Sierra 1)

3:30 PM **The progress of Information Technologies at State Commissions, continued** (Sierra 1)
Roundtable discussions of projects, plans, challenges and experiences

4:30 PM **Adjourn** (Sierra 1)

9:00 AM-5:00 PM	**Staff Subcommittee on Law**	Yerba Buena Salon 10
10:15 AM-10:30 AM	*Networking Break*	Yerba Buena Foyer
11:45 AM-12:00 PM	**Commissioner Emeritus Business Meeting**	Yerba Buena Salon 9
11:45 AM-1:15 PM	**Commissioner/Staff/Commissioner Emeritus Luncheon**	Yerba Buena Salon 9

11:45 AM **Member Community Service Luncheon**
Commissioners, Commission Staff, and Commissioners Emeritus will work together to assemble hygiene kits for those less fortunate. Kits will be donated to Safe Harbor Shelter. The primary mission of Safe Harbor is to provide the homeless with shelter, safety, warmth, sustenance, and healthcare. After these basic human needs have been met and shelter clients have been stabilized, Safe Harbor endeavors to help clients raise their level of self-sufficiency and transition to a more stable housing situation.

11:45 AM-1:15 PM	**OPSI Board Meeting (invitation only)**	Yerba Buena Salon 11
1:30 PM-3:15 PM	**Opening General Session**	Yerba Buena Salon 7 - 8

1:00 PM **Equipped to Lead: Opening General Session and Election of Officers**
Welcome to the NARUC 126th Annual Meeting! Reflection on 2013 - 2014 Year as President: Hon. Colette Honorable

1:15 PM **Election of 2014-2015 Officers, Confirmation of Board Members and Constitutional Amendments**
Nomination of NARUC 2014-2015 Officers
Moderator Hon. Colette Honorable - NARUC President, Arkansas
Panelists Nomination of NARUC President - Hon. Julie Brown , Florida
Second Nomination for NARUC President - Hon. Ellen Nowak, Wisconsin
Nomination of NARUC 1st Vice President - TBD
Second Nomination of NARUC 1st Vice President - TBD
Nomination of NARUC 2nd Vice President - Hon. John Coleman, Pennsylvania
Second Nomination of NARUC 2nd Vice President - Hon. Judy Jagdmann, Virginia

2:15 PM **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 PM-4:45 PM **Concurrent Sessions A 1-5**

3:30 PM **Strength in Numbers? Multistate Compliance With The Clean Power Plan**

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 - Clean Energy Collaboration, Environmental Defense Fund
Will Kaul - Vice President Transmission, Great River Energy
Craig Segall - Senior Staff Counsel, California Air Resources Board
Kyle Danish - Partner, Van Ness Feldman LLP

3:30 PM **Double Jeopardy: FERC-Regulated Transmission Companies and Retail Consumers**

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 Public Service Commission

Panelists Hon. Nick Wagner - Commissioner , Iowa Utilities Board
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**

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. Anonymyzing 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

3:30 PM **I Get Around: Figuring Out the Infrastructure Challenge with Alternative Fuel Vehicles**

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 Company
William Hederman - Deputy Director for Systems Integration and Senior Advisor to the Secretary, Department of Energy

3:30 PM **Moneyball: USF Contributions Who Should Pay, and How**

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, FCC
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
7:00 PM	***Board of Directors Dinner (Invitation only)***	

Tuesday, November 18

7:30 AM-9:00 AM	*Continental Breakfast*	Yerba Buena Foyer
8:00 AM-5:00 PM	*NARUC Registration Desk*	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 - Commissioner, Minnesota
Hon. Robert Kenney - Commissioner, Missouri
Sara Birmingham - Acting Vice President of State Affairs, Solar Energy Industries Association
Richard Myers - Vice President, Policy Development, Nuclear Energy Institute
Dan Reicher - Executive Director, Steyler-Taylor Center for Energy Policy and Finance, Stanford University

9:30 AM **International Update**

Remarks by The Hon. Alparslan Bayraktar, Commissioner, Energy Regulators Regional Association (ERRA)

9:00 AM-5:00 PM **Staff Subcommittee on Information Services** Sierra I

9:00 AM **The progress of Information Technologies at State Commissions, continued** (Sierra 1)
Roundtable discussions of projects, plans, challenges and experiences

10:00 AM **Networking break** (Sierra 1)

10:15 AM **PDF Document Accessibility** (Sierra 1)
Regulations, Risk and Solutions for Compliance
Shannon Kelly - PDF Accessibility SME, Actuate Corporation

11:30 AM **Networking break** (Sierra 1)

11:45 AM **The progress of Information Technologies at State Commissions, continued** (Sierra 1)
Roundtable discussions of projects, plans, challenges and experiences

1:00 PM **Officer Installation Luncheon**

2:15 PM **TBD, A security related topic** (Sierra 1)
James Stroud, McAfee

3:30 PM **Networking break** (Sierra 1)

3:45 PM **The progress of Information Technologies at State Commissions, continued** (Sierra 1)
Roundtable discussions of projects, plans, challenges and experiences

4:30 PM **Adjourn** (Sierra 1)

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**
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? Attend this session to find out.

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

10:15 AM **NextGen 9-1-1: Will Your Emergency Call or Text Be Connected?**

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, FCC
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**

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 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

10:15 AM **The Real Deal on Pricing**

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 - NJ 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?**

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 President, Electric Operations, Pacific Gas & Electric Company

11:30 AM-11:45 AM *Networking Break* Yerba Buena Foyer

11:45 AM-1:00 PM **Concurrent Sessions C 1-5**

11:45 AM **Get Together: The Future of Fuel Diversity**

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**

"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 Utilities and Transportation Commission

Panelists Hon. Beverly Jones Heydinger - Chair, Minnesota Public Utilities Commission
Hon. Anne E. Hoskins - Commissioner, Maryland Pubic Service Commission
Frank Lindh - Partner, Crowell & Moring
Scott Hempling - Attorney at Law

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

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

11:45 AM **The Fugitive: Fugitive Methane Emissions**

This session will discuss the intersection between fugitive methane emissions from the T&D sector and pipeline safety. Topics to 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? And most importantly, are consumers willing and prepared to pay for it all?

Moderator Hon. Susan Rabon - Commissioner, North Carolina

Panelists Hon. Paul Roberti - Commissioner, Rhode Island
Mark Brownstein - Associate Vice President and Chief Counsel of the U.S. Climate and Energy Program , Environmental Defense Fund
Thomas D. Hutchins, PE - Environment, Health and 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**

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. In this session, attendees will learn whether such programs could become more widespread throughout the country. Participants will discuss what State commissions and other 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 PUC
Brian Graham - Director Technical Assistance, United Water
American Water Representative - TBD

1:00 PM-2:15 PM	*Annual Installation Luncheon*	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

2:30 PM **Municipal Broadband: A Review of Rules, Requirements, and Options**
Sherry Lichtenberg

2:55 PM **Adapting Public Utility Regulation to a New Electric Industry**
Ken
Costello

3:20 PM **A Summary of State Regulators Responsibilities Regarding Cybersecurity Issues**
Dan Phelan

3:35 PM **A Comprehensive Summary of EPA's Clean Power Plan and the Interaction between the Clean Air Act and Federal Power Act**
Rishi Garg

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.

9:00 AM-10:15 AM **Concurrent Sessions D 1-3**

8:30 AM **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 - Commissioner, Virginia

Panelist The Not Ready For General Session Players

9:00 AM **Game of Phones -- Interconnection is Interconnection Regardless of Technology or Protocol** (GoldenGate 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. Panelists will also discuss actions already taken by some States to intervene to address IP interconnection.

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

10:00 AM-12:00 PM **Staff Subcommittee on Information Services** TBD

10:00 AM **Plan future meeting, discuss possible future project(s)** (TBD)

11:55 AM **Adjourn** (TBD)

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**