69th Annual Symposium

June 5-8, 2016 ● Sea Crest Beach Hotel ● North Falmouth, Massachusetts
# NECPUC 69th Annual Symposium

**June 5-8, 2016**

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PROGRAM FOR 69TH ANNUAL NECPUC SYMPOSIUM

Sunday, June 5, 2016

2:45 p.m.  ISO-NE Budget Discussion  to 4:15 p.m.  Nauset II
ISO-NE will present administrative and capital budget information to the state
public utility commissions, public advocates, Attorneys General and any other
members of the public who wish to attend.
Robert Ludlow, VP, Chief Financial and Compliance Officer, ISO-NE

4:15 p.m.  Nonpublic session  to 6:00 p.m.  Race Point
NECPUC, NASEO, and their invited guests

6:00 p.m.  Pre-dinner Reception  Courtyard*
Sponsored by Pierce Atwood LLP and Brown Rudnick LLP

7:00 p.m.  Dinner  Sea Crest Ballroom

8:30 p.m.  Dessert reception  Ocean View Room
Sponsored by NEPGA, Nuclear Matters, and the Nuclear Energy Institute

Monday, June 6, 2016

7:00 a.m.  Continental Breakfast Buffet begins  Ocean View Room

8:30 a.m.  Tours available of National Grid’s  to 6:00 p.m.  In front of Building One
Mobile Emergency Operations Center

8:30 a.m.  Plenary Session  Nauset III, IV, V
Welcome: Hon. Angela O’Connor, NECPUC President and Chair of the
Massachusetts Department of Public Utilities
Video Address from Hon. Charlie Baker, Governor, Commonwealth of
Massachusetts
Hon. Tony Clark, Commissioner, Federal Energy Regulatory Commission

9:40 a.m.  Break

*In case of inclement weather, the reception will take place in the Ocean View Room
10:00 a.m.  Plenary Panel  
Nauset III, IV, V  
New Business Models for the Utility of the Future  

Technology has been a significant change agent on every sector in the economy, including energy. Are emerging technologies changing the fundamental services that distribution companies provide? Will the traditional utility business model meet the needs of the system going forward? How will technology inform the competitive marketplace or meet the public policy goals seen in the region? If changes to the utility business model are necessary, are they “tweaks” or extensive overhauls? This panel will provide varied perspectives exploring these questions and more.

Moderator: Hon. Angela O’Connor, NECPUC President and Chair of the Massachusetts Department of Public Utilities  
Panelists:  
Sonia Aggarwal, Director of Strategy, Energy Innovation  
Carlos Batlle, Visiting Scholar, MIT Energy Initiative (MITEI), MIT  
Paul DeMartini, Senior Fellow, ICF International  
Tim Healy, Chief Executive Officer, Chairman, and Co-Founder, EnerNOC  
David Owens, Executive Vice President of Business Operations Group and Regulatory Affairs, Edison Electric Institute  

Noon  Luncheon  
Ocean View Room  

Hon. Angela O’Connor, NECPUC President and Chair of the Massachusetts Department of Public Utilities  
KR Sridhar, founder and CEO, Bloom Energy  
Joel Gordon, Chair of NEPOOL  

1:45 p.m.  Fireside Chat  
Nauset III, IV, V  

Hon. Mignon Clyburn, Commissioner, Federal Communications Commission  
Hon. Karen Charles Peterson, Commissioner, Massachusetts Department of Telecommunications and Cable
Introduction to National Grid’s Mobile Emergency Operation’s Center
*Michael McCallan*, Director of Emergency Planning, National Grid US

Addressing Cybersecurity in the 21st Century
With a documented cyberattack shutting down part of the Ukrainian electric system and a cyber infiltration of a hydroelectric facility in New York, the reality of vulnerability to cyber intrusion is here. As Admiral Mike Rogers, Cyber Command chief and director of the National Security Agency warned in March of this year, “It is only a matter of the ‘when,’ not the ‘if,’ we are going to see a nation-state, a group or actor engage in destructive behavior against critical infrastructure in the United States.” Given this reality, and the many federal programs and agencies at work, where do the states fit in? Are we working effectively with the electricity, natural gas, water and telecommunications utilities? Do we understand and are we preparing for the emergency responses a cyberattack could pose? This panel will discuss the practical challenges states face in the evolving cybersecurity arena.

Moderator: *Hon. Art House*, Chair, Connecticut Public Utilities Regulatory Authority
Panelists:
*Scott Aaronson*, Secretary, Electricity Subsector Coordinating Council
*Hon. Robert Scott*, Commissioner, New Hampshire Public Utilities Commission
*Christopher Spirito*, Nuclear Cyber Security Consultant, Idaho National Laboratory

3:45 p.m. Break

4:00 p.m. Ethics CLE for lawyers
*Maureen Smith*, Shareholder, Orr & Reno

6:15 p.m. Pre-dinner Reception
Sponsored by the Retail Energy Supply Association, Itron, and Robinson & Cole

7:15 p.m. New England Clambake
*Sea Crest Ballroom*

8:30 p.m. Dessert Reception
Sponsored by the Northeast Gas Association

*In case of inclement weather, the reception will take place in the Ocean View Room*
Tuesday, June 7, 2016

7:00 a.m.  Continental Breakfast Buffet begins  
   Ocean View Room

8:30 a.m.  Concurrent Sessions

   A. Competition in Transmission to Meet Nauset III, IV, V 
       Reliability Needs –Making Processes and 
       Cost Controls Work in New England

   One aspect of FERC's Order 1000 was to introduce competitive dynamics into 
   transmission development to meet reliability needs. In New England, transmission 
   costs make up a larger percentage of consumers’ monthly bills than in other 
   regions, and there is a long history of the actual costs of transmission 
   infrastructure outpacing cost estimates for some projects. A competitive 
   framework with cost cap mechanisms and risk allocation provides the potential 
   for cost discipline and control. New England is in the early stages of Order 1000 
   implementation. However, questions have arisen regarding the expected level of 
   competition for reliability projects. Under the process FERC approved, 
   transmission projects needed within three years are exempt from competition. In 
   addition, ISO-NE has communicated that it intends to defer a competitive process 
   altogether if any element of a larger solution is needed within three years. ISO-
   NE has also cited to less need for larger scale projects given recent substantial 
   investments in transmission and changed system conditions. Together, these 
   factors suggest that New England is highly unlikely to see any meaningful 
   competitive transmission process for reliability projects in the foreseeable 
   future. Does the New England process satisfy the intent of Order 1000? How 
   will New England consumers realize the anticipated benefits of competitive 
   dynamics in reliability-based transmission? To the extent reliability needs are 
   met through projects exempted from competition, what are the opportunities to 
   risk share and limit consumers' exposure to escalating costs?

Moderator: Peter Flynn, President, Peter G. Flynn, LLC 
Panelists: 
Steven S. Garwood, President, PowerGrid Strategies, LLC 
Stephen J. Rourke, Vice President, System Planning, ISO New England 
Hon. Robert Scott, Commissioner, New Hampshire Public Utilities Commission 
Hon. Mark Vannoy, Chairman, Maine Public Utilities Commission
B. Natural Gas:  
Nauset I, II  
From Production to Consumption

The infrastructure that is necessary to support natural gas from production to consumption involves several stages with different participants at each stage. With so many facets, how do we assure that key environmental and safety regulations are being met? Is this a puzzle in need of a solution or have the pieces already been crafted together to address common concerns? This panel brings together perspectives from producers, the federal government, technology providers, LDCs, and environmentalists to talk about concerns relative to natural gas infrastructure and their efforts to address them.

Moderator: Hon. Margaret Curran, Chair, Rhode Island Public Utilities Commission
Panelists:
William Akley, President, Gas Business, Eversource Energy
Paul Doucette, Global Leader, Public Policy and External Funding, General Electric
Ron Edelstein, Director Regulatory and Government Relations, Gas Technology Institute
N. Jonathan Peress, Air Policy Director, Environmental Defense Fund
Andreas Thanos, Policy Specialist, Gas Division, Massachusetts Department of Public Utilities

10:00 a.m. Break

10:15 a.m. Concurrent Sessions

A. Siting Projects in New England  
Nauset III, IV, V

Siting can be a challenging endeavor, and several states have recently completed or are in the process of reviewing their siting processes. This panel will discuss the following questions: (1) What about the various state processes is working; (2) What is not working; and (3) Are there regulatory solutions to siting issues, and if so, what are they?

Panelists:
Bradley Campbell, CEO, Conservation Law Foundation
Hon. Jeb Bradley, New Hampshire Senate Majority Leader
Hon. Christopher Recchia, Commissioner, Vermont Department of Public Service
Scott Silverstein, President and Chief Operating Officer, Footprint Power
B. Telecom Panel

How 20 years of the Telecom Act have changed the way we live and work and what does the future hold?

With 2016 marking the 20th Anniversary of the Telecommunications Act, this panel will explore the Act's impact on the communications marketplace and other utility sectors. It will discuss the Act’s impact on the way we get information and the way that we live. Panelists will discuss aspects of the Act (and the related regulatory framework) that worked, and those that didn’t. Finally, the panel will discuss the rise of non-traditional providers, and thoughts as to federal or state law changes necessary to promote competition while protecting consumers.

Moderator: Hon. Kate Bailey, Commissioner, New Hampshire Public Utilities Commission
Panelists:
Jennie Chandra, Vice President of Public Policy and Strategy, Windstream
Rick Cimerman, Vice President External & State Affairs, National Cable & Telecommunications Association
Brent Olson, Vice President-Public Policy, AT&T Services
Johanna Shelton, Director, Public Policy & Government Relations, Google
George Young, Policy Director and Deputy General Counsel, Vermont Public Service Board

Noon Luncheon

Ocean View Room

Invitation to 2017 NECPUC Symposium, Hon. Martin Honigberg, Chair, New Hampshire Public Utilities Commission
Presentation of George Dunn Award to Staff by Hon. Angela O’Connor, NECPUC President and Chair of the Massachusetts Department of Public Utilities Hon. Travis Kavulla, NARUC Chair and President and Commissioner, Montana Public Utilities Commission

1:30 p.m. Concurrent Sessions

A. New England on the Cutting Edge

This panel will explore the latest technological developments in energy efficiency and the future of the grid. Come hear about cutting edge products that will change the way we look at energy services. Panelists will include the best and brightest from around the region.
Moderator: Hon. Matthew Beaton, Secretary of Massachusetts Executive Office of Energy and Environmental Affairs
Panelists:
Rick Counihan, Head of Energy Regulatory and Government Affairs, Nest
Eric Gebhardt, Chief Platforms and Operations Officer, Current, Powered by GE
Jesse Jenkins, PhD Candidate, MIT Institute for Data Systems and Society
Robert Kaufmann, Scientist and Co-Founder, FirstFuel
Emily Reichert, Chief Executive Officer, Greentown Labs

B. Water and Regulatory Issues: Nauset I, II
“What do Regulators Think?”

Water utility operators deal every day with the need to satisfy environmental, regulatory, and customer expectations. One particular challenge is in discerning what a public utility commission expects of a company, particularly in the face of ex parte rules that limit the ability to exchange information outside of formal administrative proceedings. It is not always possible or practical for public utility commissions to lay out the details of every expectation in their written orders. This panel will provide a window into the regulators’ world and provide water system operators with a greater understanding of what regulators expect from companies.

In the first part, panelists will offer their own perspectives on what regulators expect from companies. In the second section, panelists will be asked a series of hypothetical questions drawn from real-life situations.

Moderator: Hon. Sarah Hofmann, Member, Vermont Public Service Board
Panelists:
Hon. Jack Betkoski, Vice Chairman, Connecticut Public Utilities Regulatory Authority
Hon. Martin Honigberg, Chairman, New Hampshire Public Utilities Commission
Paul Osborne, Assistant Director, Rates and Revenue Requirements Division, Massachusetts Department of Public Utilities
Maureen Westbrook, Vice President of Customer and Regulatory Affairs, Connecticut Water

3:00 p.m. Break
3:15 p.m. Concurrent Sessions
A. Consumer Perspectives

Public utilities Commissions across the country are confronting how to balance various interests, including low-income, business, environmental, and individual customers in their decision-making. From pure economic ratemaking to meeting various societal goals via utility policy and rates, the rubber often meets the road in the hearing room. This panel will discuss the various lenses through which to view the choices that are facing Commissions. Panelists will also provide their perspectives regarding how regulators should balance the costs and benefits of the options before them.

Moderator: Nancy Stevens, Director of Consumer Affairs, Massachusetts Department of Public Utilities
Panelists:
Charlie Harak, Senior Attorney, National Consumer Law Center
Paul Peterson, Principal Associate, Synapse Energy Economics
Donald Kreis, Consumer Advocate, New Hampshire Office of the Consumer Advocate
Hon. Carlisle Tuggey Mclean, Commissioner, Maine Public Utilities Commission
Robert Rio, Senior Vice President, Government Affairs, Associated Industries of Massachusetts

B. Water Planning Roundtable

NECPUC attendees are invited to come talk informally about water planning issues with Hon. Jack Betkoski, Dave Levasseur, Richard Sobolewski, and Maureen Westbrook.

C. Market Monitor Report (Closed Session)

In accordance with the ISO-NE tariff, the Internal Market Monitor must “arrange a non-public meeting open to appropriate state or federal government agencies, including the Commission and state regulatory bodies, attorneys general, and others with jurisdiction over the competitive operation of electric power markets, subject to the confidentiality protections of the ISO New England Information Policy, to the greatest extent permitted by law.” In accordance with the ISO-NE tariff, this is non-public session.

Jeff McDonald, Internal Market Monitor, ISO-NE

6:15 p.m.  Pre-dinner Reception Sponsored by ISO-NE

Wednesday, June 8, 2014
Non-public session for state officials and their staff, NESCOE and invited guests.

*In case of inclement weather, the reception will take place in the Ocean View Room
SPEAKER APPRECIATION

The NECPUC Symposium would not be successful without the dedication and efforts of speakers and panelists who have joined us from around the world. In recognition of these efforts, NECPUC has made a donation on behalf of each speaker to The Massachusetts Good Neighbor Energy Fund, which provides energy assistance to Commonwealth Residents in temporary crisis who cannot pay their energy bills and do not qualify for federal or state funds.

GENERAL INFORMATION

**Information:** If you have any questions about the Symposium, call Rachel Goldwasser, NECPUC Executive Director.

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**Suggested Attire:** Business Casual

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**Electronic Devices:** In consideration of the speakers and your colleagues, please turn off all cellular phone and other communication devices while in any session.

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**CLEs:** Please sign up for CLE Credit at the registration desk and request a copy of the uniform certificate there. CLE credit has been approved in Rhode Island (10.5 hours general, 1 hour ethics) and Maine and Vermont (both for 9 hours general, 1 hour ethics). NH is now a self-reporting CLE state. Attorneys should only claim credit commensurate with the extent of their participation in the Symposium.

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**Taping/Video Policy:** Unless you receive prior approval from NECPUC, only credentialed members of the press are allowed to tape or video NECPUC sessions. If you wish to tape or record any portion of the NECPUC meeting, please contact Rachel Goldwasser at rgoldwasser@necpuc.org.

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*Join NECPUC in NH!*

**June 4-7, 2017**

**Omni Mt. Washington**

**Bretton Woods, New Hampshire**
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Massachusetts Department of Public Utilities

Martin Honigberg, Vice President
New Hampshire Public Utilities Commission

Michael A. Caron, Treasurer
Connecticut Public Utilities Regulatory Authority

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www.ripuc.org

Massachusetts Department of Public Utilities
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Robert Hayden, Commissioner
Jolette A. Westbrook, Commissioner
www.mass.gov/dpu

Vermont Public Service Board
James Volz, Chair
Margaret Cheney, Member
Sarah D. Hofmann, Member
www.psb.vermont.gov

Massachusetts Department of Telecommunications and Cable
Karen Charles Peterson, Commissioner
www.mass.gov/dtc

Vermont Department of Public Service
Christopher Recchia, Commissioner
www.publicservice.vermont.gov
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SPEAKER BIOGRAPHIES

Scott Aaronson, Secretary, Electricity Subsector Coordinating Council – Scott Aaronson serves as the Secretary for the Electricity Subsector Coordinating Council (ESCC). The ESCC serves as the primary liaison between senior government officials and industry leaders representing all segments of the electric power sector. This partnership is held up as a model for how critical infrastructure sectors can work with government, yielding dramatic improvements in security and preparedness for the industry and the nation. In addition to his role with the ESCC, Aaronson is a member of EEI's Energy Delivery Group where he focuses on industry and national security policy, as well as establishing partnerships and fostering collaboration between the government and the electric utility sector. Prior to joining the ESCC and EEI, Aaronson was a senior adviser to Members of Congress serving the 12th Congressional District of California, including former House Foreign Affairs Committee Chairman Tom Lantos and his successor, U.S. Representative Jackie Speier. From 2001 to 2007, he served as an economic policy adviser to U.S. Senator Bill Nelson.

Sonia Aggarwal, Director of Strategy, Energy Innovation – Sonia Aggarwal is the Director of Strategy at Energy Innovation, where she leads America's Power Plan, focusing on policies that can transform the electric grid into a clean, reliable, and affordable system. She also leads the company's work in analyzing the top energy policies to reduce emissions—both quantitatively and qualitatively. Before joining Energy Innovation, Sonia was the Global Research Manager at ClimateWorks Foundation, and served as an advisor to the International Energy Agency’s “Accelerating Technology Transitions” project. She has also worked in accident prevention design engineering for a nuclear power plant in Ohio and advised clean energy companies on technology and financial communications. Aggarwal holds a B.S. from Haverford College in astronomy and physics, and an M.S. from Stanford University in engineering, with a focus on energy.

William Akley, President, Gas Business, Eversource Energy – William J. Akley is President of Gas Operations for Eversource Energy. In this role, he is responsible for the overall operations of the safe and reliable delivery of natural gas to approximately 522,000 customers in 122 towns and cities in Connecticut and Massachusetts. Akley has more than 30 years of leadership and management experience and is a seasoned veteran of the utility industry in all facets of natural gas transmission and distribution. Prior to joining Eversource, he was Senior Vice President of U.S. Gas Operations for National Grid and responsible for field operations including construction, maintenance and meter service throughout the company’s service territory in New York, Rhode Island and Massachusetts. Prior to National Grid, Akley spent several years at KeySpan Energy in New York, Massachusetts and New Hampshire. Akley began his career as a field engineer at Brooklyn Union Gas in New York City. He earned his MBA from Adelphi University and his Bachelor’s degree in Mechanical and Industrial Engineering from Clarkson University. Akley is a licensed professional engineer and has served as the Safety Committee Chairperson for the American Gas Association and serves as a board member on the American Gas Association and the Northeast Gas Association.

Hon. Kate Bailey, Commissioner, New Hampshire Public Utilities Commission – Kate Bailey was appointed by Governor Maggie Hassan to serve a six year term on the New Hampshire Public Utilities Commission in July 2015. She also serves on New Hampshire’s Site Evaluation Committee and Enhanced 911 Commission, as well as on the NARUC Committee on Electricity. Commissioner Bailey joined the New Hampshire commission staff in 1989, and she went on to hold various positions, including Director of Telecommunications and Chief Engineer. Having joined the Commission shortly after the breakup of AT&T, Commissioner Bailey guided the regulatory transition in New Hampshire from rate-of-return monopoly telephone utilities to the predominantly deregulated competitive environment. Prior to her time at the New Hampshire PUC, Commissioner Bailey was commissioned in the Air Force where she served as a communications officer. After an honorable discharge from active duty, she was hired as a contractor to the federal government and worked on a microwave communications project throughout central Europe. Commissioner Bailey holds a Bachelor of Science degree from Union College in electrical engineering and she is a licensed professional engineer. Her two children are students at the University of New Hampshire and she lives with her husband Rick and their golden retriever in Bow, New Hampshire.

Hon. Charlie Baker, Governor, Commonwealth of Massachusetts – Charlie Baker was inaugurated on January 8th, 2015 as the 72nd Governor of the Commonwealth of Massachusetts. Elected in November of 2014 on a platform of making Massachusetts great for everyone, Governor Baker’s arrival in the Corner Office continues a long, successful career in both the private sector and public service where he has worked hard to put the people of Massachusetts first. Governor Baker is committed to making Massachusetts a truly great place to live, work, start a business and raise a family. As Governor, he has pledged to work toward a growing economy with family-sustaining
Jobs; ensure that schools across the Commonwealth provide opportunity for every child regardless of zip code; and make Beacon Hill a true partner with local governments to create safer and thriving communities across Massachusetts. Over the course of his career, Governor Baker has been a highly successful leader of complex organizations in business and in government. As a cabinet secretary under Governors William Weld and Paul Cellucci, Baker helped lead efforts to reform and modernize state government. During his time as Chief Executive Officer of Harvard Pilgrim Health Care, Governor Baker turned a company on the brink of bankruptcy into the nation’s highest ranked health care provider for six straight years. Raised in Needham, Governor Baker attended Massachusetts public schools and is a graduate of Harvard College. He went on to earn a Master’s of Business Administration from the Kellogg Graduate School of Management at Northwestern University. Governor Baker and his wife, Lauren live in Swampscott, and have three children: Charlie, AJ, and Caroline.


Carlos Battle, Visiting Scholar, MIT Energy Initiative (MITEI), MIT – Carlos Battle is Associate Professor with Comillas Pontifical University's Institute for Research in Technology (IIT) in Madrid, where he teaches Energy Economics and Electric Power Systems Regulation. Since 2011 he has been a Visiting Scholar under the Massachusetts Institute of Technology's MIT Energy Initiative, where he teaches a course entitled “Engineering, Economics and Regulation of the Electric Power Sector,” headed by Prof. Pérez-Arriaga, and supervises PhD and master dissertations. He is Electricity Advisor of the Florence School of Regulation (FSR), an institution under the aegis of the European University in Florence, and Director of FSR Summer School on Regulation of Energy Utilities. Professor Battle has headed over 40 research projects and participated in more than another 40. He has worked and lectured extensively on the operation, planning and risk management modeling of electricity generation and networks and more specifically on electric power system regulation. Professor Battle has also rendered consultant services for governments, international institutions, industrial associations and utilities in over 25 countries. He has published over 30 papers in national and international journals and conference proceedings and authorized 10 book chapters.

Hon. Matthew Beaton, Secretary of Massachusetts Executive Office of Energy and Environmental Affairs – Secretary Matthew A. Beaton oversees the Commonwealth's six environmental, natural resource and energy regulatory agencies: the Departments of Environmental Protection, Public Utilities, Energy Resources, Conservation & Recreation, Agricultural Resources and Fish & Game. He also serves as Chairman of the Massachusetts Water Resources Authority, the Energy Facilities Siting Board, and the Massachusetts Clean Energy Center. Massachusetts was the first state in the nation to combine energy and environmental agencies under one Cabinet secretary with the shared mission of bringing clean energy technology to market, curbing greenhouse gas emissions and cutting energy costs. Secretary Beaton is building on Massachusetts' nation-leading clean energy and environment accomplishments. Prior to his appointment to the cabinet post at Energy and Environmental Affairs, Secretary Beaton served as a State Representative for the Eleventh Worcester district. Elected in 2011, he was a member of the committees on Ways and Means; Environment, Natural Resources and Agriculture; and Ethics. In the private sector, Secretary Beaton has worked as an environmental engineer and sustainability consultant. He is the former owner of Beaton Kane Construction, a green building and energy efficiency consulting company that focuses on building energy efficient homes. Beaton earned an undergraduate degree in biotechnology from Worcester Polytechnic Institute and a master's degree in energy and environmental analysis from Boston University. Secretary Beaton and his wife, Laura, live in Shrewsbury with their three young children.

Hon. Jack Betkoski, Vice Chairman, Connecticut Public Utilities Regulatory Authority – John “Jack” Betkoski III has served on Connecticut’s utility regulatory authority since 1997 when he was named a Commissioner of the Department of Public Utility Control. He was elected Vice Chairman of that body in 2007. When the Connecticut Public Utilities Regulatory Authority (PURA) was established on July 1, 2011 as the state’s new regulatory authority, Vice Chairman Betkoski was appointed a Director by Governor Daniel P. Malloy and elected as Vice Chairman. He also serves as Second Vice President of NARUC, Chairman of the Connecticut Water Planning Council, and is a member of the American Water Works Association Research Foundation’s Public Council on Drinking Water Research. He was also a member of the EPA National Drinking Water Advisory Council, serving on its Water Security Working Group. Prior to his time at PURA, Vice Chairman Betkoski served as a member of the
Connecticut General Assembly, representing the 105th District (Ansonia, Beacon Falls, and Seymour) as a state representative from 1987-1997. Vice Chairman Betkoski was the Waterbury Salvation Army’s Director of Human Services from 1989-1997, and held various administrative positions in human services agencies from 1974-1989. He served on Beacon Falls’ Board of Selectmen from 1981-1987 and Board of Finance from 1979-1981. He presently serves as Chairman of the Beacon Falls Economic Development Commission. Vice Chairman Betkoski was born in Waterbury and is a lifelong resident of Beacon Falls, Connecticut. He received his B.A. from Sacred Heart University, and his M.S. and Sixth Year Diploma in Advanced Studies in Administration and Supervision from Southern Connecticut State University.

Hon. Jeb Bradley, New Hampshire Senate Majority Leader – Jeb Bradley is the Majority Leader of the New Hampshire state Senate. He is completing his fourth term serving District 3 from Wolfeboro, the Oldest Summer Resort in America. He came to office following a special election held in April of 2009 and then went on to win re-election in 2010, 2012 & 2014. For the 2015-2016 Legislative Session, Sen. Bradley is Vice Chairman of the Commerce Committee, the Chair of the Energy & Natural Resources Committee, and serves on the Rules, Enrolled Bills & Internal Affairs Committee. As a legislator, Senator Bradley is known for his determination in working with constituents on both sides of an issue for a solution that will fully serve the people of New Hampshire. Sen. Bradley previously served as New Hampshire's Congressman for the First District from 2002-2006. He was a member of the Armed Services, Budget, Veterans' Affairs and Small Business Committees. Senator Bradley served in the New Hampshire House of Representatives from 1990-2002, where he chaired the Science, Technology and Energy Committee as well as the Joint Committee on Ethics. His signature piece of legislation was New Hampshire's Clean Power Act enacted in 2001 which broke ground on setting limits on power plant emissions. Senator Bradley began his political career in 1986 as a member of the Wolfeboro Planning Board. He also served on the town's Budget Committee. Sen. Bradley is an avid hiker, and recently became the 49th person to complete the elusive NH Grid, which consists of climbing each of the 48 4,000 foot peaks in New Hampshire in every calendar month, for a total of 576 peaks.

Bradley Campbell, CEO, Conservation Law Foundation – Bradley Campbell is President of the Conservation Law Foundation, an organization recognized for bringing innovative, pragmatic solutions to New England’s toughest environmental challenges. As Commissioner of the New Jersey Department of Environmental Protection (2002-2006), Campbell successfully led major initiatives to protect water resources, reshape development, restore natural resources, and address global climate change. He enforced federal environmental laws as regional administrator of the U.S. Environmental Protection Agency's Mid-Atlantic region (1999-2001), served in the Clinton administration as associate director of the White House Council on Environmental Quality (1995-1999), and litigated natural resource cases for the U.S. Department of Justice (1990-1995). His many honors and awards include the prestigious John Marshall Award, the highest level of recognition from the Department of Justice.

Jennie Chandra, VP of Public Policy and Strategy, Windstream – Jennie B. Chandra is Vice President – Public Policy and Strategy at Windstream Communications. In this capacity, Chandra leads development of Windstream’s public policy positions and strategic plans for key federal and state communications issues, and she advocates the company’s positions before regulatory and legislative officials. She also provides legal and policy counsel on Windstream business initiatives. Chandra previously directed the 48-state operations of Windstream’s State Government Affairs team. Before joining Windstream, Chandra was appointed by California Governor Arnold Schwarzenegger to serve as Advisor on Policy and Planning at the California Public Utilities Commission (PUC). Her state government work included leading the development of the Governor’s Executive Order on Twenty-First Century Government: Expanding Broadband Access and Usage in California (EO S-23-06), drafting the PUC decision that created California’s first-ever state video franchise regulatory regime, and managing cross-agency efforts to advance deployment of enhanced 911 services for VoIP customers. Chandra’s prior work experience includes serving as a John Gardner Fellow in the office of FCC Commissioner Kathleen Q. Abernathy and a Sand Hill Fellow in the Program for the Study of Entertainment Media and Health at the Kaiser Family Foundation. Chandra holds three degrees from Stanford University: a J.D., an M.A. in Sociology (organizational studies concentration), and a B.A. in Information Economics and Policy.

Hon. John Chapman, Undersecretary, Office of Consumer Affairs & Business Regulation, Commonwealth of Massachusetts – John Chapman serves as the Undersecretary for the Office of Consumer Affairs and Business Regulation (OCABR) for the Commonwealth of Massachusetts. OCABR is made up of five agencies that include the Division of Insurance, Division of Banks, Department of Telecommunications and Cable, Division of Professional Licensure and the Division of Standards. John is responsible for implementing Governor Charlie Baker’s agenda on consumer protection and business regulation policies. John started his career in the Reagan White
House, in the Office of the Counsel to the President and continued in that office during the George H.W. Bush Administration. From there John went on to the U.S. Securities and Exchange Commission, where he led investigations into Wall Street corruption and financial fraud. He previously served in state government, as an Agency Commissioner and Undersecretary of Economic Development under Governor Romney. John has held private sector positions as Vice President and Assistant General Counsel at Tucker Anthony Incorporated, a financial services firm, and as a partner at the law firm of Duane Morris LLP, where he advised corporate clients on enforcement and compliance issues, corporate governance and regulatory matters. Also, he served in the non-profit sector as General Counsel for the Joslin Diabetes Center, an affiliate of Harvard Medical School, where he provided general and legal advice to the CEO/President, the governing boards, leadership and staff of Joslin. Before his recent post in the Baker Administration, John was the Republican nominee and candidate for U.S. Congress in the 9th Congressional District. John graduated with a B.A. in political science from Kenyon College and a J.D. from Suffolk University Law School.

Rick Cimerman, Vice President External & State Affairs, National Cable & Telecommunications Association – Rick Cimerman is Vice President of External and State Affairs at the National Cable and Telecommunications Association. His primary responsibility is to aid State Cable Associations and cable companies in working with state regulators, legislators and policymakers. He is also responsible for outreach to think tanks, the academic community and various policy advocacy organizations. Cimerman is the Private Sector Chair of the American Legislative Exchange Council’s Communications and Technology Task Force, a member of the Board of Directors of the Internet Education Foundation, and the Program Committee of the TPRC Research Conference on Communication, Information and Internet Policy. He previously served as president of the National Coalition for Technology and Education in Training (NCTET), co-chair of the Congressional Internet Caucus Advisory Committee’s Broadband Task Force and program chair for the three NARUC/NECA National Summits on Broadband Deployment. He is a recognized expert on broadband and telecommunications policy, has testified across the country before numerous state Public Service Commissions and Legislatures and has also served as an adjunct faculty member of Michigan State University’s NARUC Annual Regulatory Studies Program. Prior to joining NCTA he worked for nearly three years as the Director of the Telecommunications Division of the Maryland Public Service Commission. Cimerman also worked for two and a half years at the Florida Public Service Commission with an emphasis on issues related to competition and emerging competition. He holds Bachelor's and Master's Degrees in Economics from the University of Florida where he studied public utility economics in association with the Public Utility Research Center (PURC) at the University of Florida. Cimerman is also a former Jeopardy TV game show winner.

Hon. Tony Clark, Commissioner, Federal Energy Regulatory Commission – Commissioner Tony Clark has served as a member of the Federal Energy Regulatory Commission since June 2012. Commissioner Clark was twice elected to statewide office in his home State of North Dakota, as a member of the ND Public Service Commission (2001-2012). He is a former ND Labor Commissioner, serving in the cabinet of Gov. Ed Schafer. From 1994-1997 he represented a portion of the City of Fargo in the ND House of Representatives. Commissioner Clark graduated, with honors, from North Dakota State University and holds an MPA from the University of North Dakota. He and his wife, Amy, have three children.

Hon. Mignon Clyburn, Commissioner, Federal Communications Commission – Mignon L. Clyburn served as Acting Chairwoman of the Federal Communications Commission, following her appointment by President Barack Obama on May 20, 2013. As Commissioner, she is serving a second term as a Democrat on the Commission, for which she was sworn in on February 19, 2013 following her re-nomination by the President and confirmation by the United States Senate. Commissioner Clyburn began her service at the FCC in August, 2009, after spending 11 years as a member of the sixth district on the Public Service Commission (PSC) of South Carolina. She served as its chair from July 2002 through June 2004. Prior to her service on the PSC, Clyburn was the publisher and general manager of The Coastal Times, a Charleston-based weekly newspaper that focused primarily on issues affecting the African American community. She co-owned and operated the family-founded newspaper for 14 years. Commissioner Clyburn is a graduate of the University of South Carolina, and holds a Bachelor of Science degree in Banking, Finance and Economics.

Rick Counihan, Head of Energy Regulatory and Government Affairs, Nest – Rick Counihan is the Head of Energy Regulatory and Governmental Affairs for Nest Labs, the maker of the Nest Thermostat. In that capacity he is responsible for relations with the Federal and State governmental energy agencies. Counihan has over 25 years of experience in the energy and utility fields, with employment stints in state, local and federal government, as well as the private sector. Prior to Nest, Counihan was Vice-President of Government Affairs for EnerNOC, Inc., a leader
in demand response and energy management services for the commercial and industrial sectors for 8 years. Before
EnerNOC, Counihan was Vice President at the Electricity Innovation Institute (E2I), a nonprofit research institute
affiliated with the Electric Power Research Institute (EPRI) to build public/private partnerships to improve the
nation’s electricity systems and an early research center on the Smart Grid. Counihan has also been Vice President
at Green Mountain Energy Company, a retail energy service provider selling renewable power. Counihan worked in
regulatory affairs for five years with Southern California Edison and was a professional staffer for the Energy and
Commerce Committee of the U.S. House of Representatives for six years. Counihan has a Bachelors degree in
Economics from Pomona College and a Master’s in Public Policy from Harvard University. Rick sits on the boards
of the Center for Resource Solutions and the Association for Demand Response and SmartGrid.

Hon. Margaret Curran, Chair, Rhode Island Public Utilities Commission – Chairperson Curran was appointed to the
Rhode Island Public Utilities Commission by Rhode Island Governor Lincoln Chafee in June 2013. Chairperson
Curran served as United States Attorney (District of Rhode Island) from 1998 to 2003, previously serving as
Assistant US Attorney. She was most recently a member of the Rhode Island Parole Board, and is currently Chair of
the Rhode Island health benefits exchange Advisory Board (HealthSource RI). Chairperson Curran has a B.A. in
Biology from the University of Pennsylvania and an M.S. in Anthropology from Purdue University. Ms. Curran
received her J.D., with high honors, from the University of Connecticut School of Law, where she was Editor-in-
Chief of the Connecticut Law Review. After graduation, she clerked for the Honorable Bruce M. Selya, in the
United States District Court for the District of RI and for the Honorable Thomas J. Meskill, United States Court of
Appeals for the Second Circuit. She has also been in private practice and served as Adjunct Professor of Law at the
Roger Williams University School of Law, which awarded her an Honorary Doctor of Laws degree in 2003. In
2004, she received the John H. Chafee Memorial History Maker Award for Service. Chairperson Curran is a
member of the American Law Institute and the First Circuit Court of Appeals Rules Advisory Committee, and she is
an advisor on the Model Penal Code: Sentencing Project. She also belongs to the National Association of Former
United States Attorneys and Bat Conservation International and is a member of the Board of Directors of the
Institute for the Study & Practice of Nonviolence.

Paul DeMartini, Visiting Scholar at the California Institute of Technology and Senior Fellow with ICF International –
Paul DeMartini developed the original framework for the More Than Smart initiative in partnership with Caltech.
He brings successful experience in transforming utility operations, building successful energy services firms and
growing technology ventures globally. DeMartini’s work has consistently been recognized by industry including
several awards for innovation and industry leadership from DoE, EPRI and several leading trade publications. He
has spoken and written extensively on development of an integrated grid, with a focus on distributed energy
resource technologies and related business strategies and policy considerations. DeMartini was Chief Technology &
Strategy Officer for Cisco’s global Energy Networks business unit and previously VP, Advanced Technology at
Southern California Edison where he led SCE’s $2 billion grid modernization, energy storage and transportation
electrification efforts. Prior to SCE, he led ICF International’s Energy Strategy consulting practice. Earlier, he led
market development at three leading competitive wholesale and retail energy services firms. He began his career at
PG&E in transmission and distribution operations, engineering and construction, and wholesale markets. DeMartini
is an industry advisor to Chrysalix Energy Venture Capital and several prominent cleantech start-ups. Paul is a
visiting scholar at the Resnick Sustainability Institute at the California Institute of Technology. He holds an MBA
from the University of Southern California and a BS from the University of San Francisco. He is an emeritus
member of DOE’s Gridwise Architecture Council and senior member of IEEE.

Rick Counihan, Global Leader, Public Policy and External Funding, General Electric – Rick Counihan is the Global
Public Policy leader for GE’s Oil & Gas business. In this position, Counihan is responsible for monitoring, assessing
and managing GE’s response to policies and regulations around the globe, which impact the business or its
customers. Previous to joining GE in 2007, Counihan’s career includes roles with Cornell Companies, Inc. as Vice
President of Public Affairs and Business serving as Vice President of Ward Creative Communications from 1996-
2000, Director of Public and Government Affairs with Star Enterprise from 1991-1996 and with Texaco in roles
ranging from Sales to Director of Public and Government Affairs. Counihan served with the 2nd Bomb Wing, 2nd Air
Force of the Strategic Air Command. He holds his Masters in Business Administration from Nicholls State
University in Thibodaux, Louisiana and a Bachelor of Arts degree from Louisiana Tech University. He is a graduate
of the Advanced Executive Development Program of the Kellogg School of Business at Northwestern University.
Counihan is an avid long distance cyclist, logging thousands of miles each year. He enjoys spending time with his
wife, the 1991 National Teacher of the Year, Rae McKee and their five children and eight grandchildren.
**Ron Edelstein**, Director Regulatory and Government Relations, Gas Technology Institute – Ron Edelstein is responsible for managing Gas Technology Institute’s (GTI) voluntary or state funding program, working with gas local distribution companies and state commissions to develop a gas consumer interest research and development (R&D) program. Edelstein is senior staff facilitator for GTI’s Public Interest Advisory Committee, with membership from NARUC, NASUCA, and other public interest groups. Edelstein is serving on the Home Energy Conservation Task Force to develop a low-income consumer conservation program for Tennessee. Edelstein has served on the Technical Advisory Board of the California Institute for Energy Efficiency and on the California RD&D Working Group to define public benefits R&D. He has also been director of GTI strategic and R&D planning, developing GTI’s five-year plans for approval by the FERC for over 15 years. Prior to GTI, Edelstein performed R&D program planning for the Solar Energy Research Institute (now NREL), engineering consulting for the U.S. Department of Energy’s solar thermal program, and structural engineering on gas turbines for Pratt & Whitney. Ron received two Master’s Degrees from Rensselaer Polytechnic Institute in Engineering Science: Environmental Science & Technology and Engineering Science: Solid Mechanics. He received his Bachelor’s Degree from the University of Florida in Aerospace Engineering.

**Peter Flynn**, President, Peter G. Flynn, LLC – Flynn is a consultant on utility matters doing business as Peter G Flynn, LLC. He has more than 35 years of experience in the utility and energy field. Flynn formerly served in business and legal executive positions with National Grid, including as President of National Grid’s electric transmission, electric generation and liquefied natural gas storage businesses regulated by the Federal Energy Regulatory Commission. He has extensive state regulatory experience in Massachusetts, New Hampshire, New York and Rhode Island. Flynn’s areas of expertise include business regulation, energy policy, government and stakeholder relations, transmission and wholesale power markets. Flynn received his J.D. degree from Boston College Law School and his B.A. from the University of Massachusetts - Boston. He is married and has two grown sons. Flynn and his wife Anne reside in Westborough, Massachusetts.

**Steven S. Garwood**, founder and President, PowerGrid Strategies – Steven Garwood has extensive experience working in the electric utility industry spanning a period in excess of 30 years. Garwood’s career spans 16+-years working for multiple electric utilities including Central Maine Power Company, where he was Managing Director, Transmission Operations, Maine Electric Power Company, where he was Vice President and Board Director, and Energy East where he held the position of Managing Director working on strategic business planning and merger/acquisition and integration support. Garwood began his consulting career in 2001 where he has worked 14+- years as an energy and transmission consultant assisting numerous clients including some of the largest electric utilities in the country, large and small independent generation and transmission developers, energy marketing firms, law firms, regulatory agencies and others engaged in the energy industry. PowerGrid Strategies, LLC is an energy and transmission consulting firm that has advised and assisted numerous companies engaged in the electric power and transmission industry ranging from very large Fortune 200 companies to smaller start-up generation and transmission development companies.

**Eric Gebhardt**, Chief Platforms and Operations Officer, Current, Powered by GE – Eric Gebhardt is Chief Platforms and Operations Officer at Current, powered by GE. He drives Current’s operational strategy across Light Emitting Diodes (LED), Solar, Energy Storage and Electric Vehicles (EV), to deliver next generation products and services. He is responsible for Product Management, Engineering, Supply Chain, Sourcing and Project Management across the organization as Current brings to market a holistic, scalable energy-as-a-service offering absent from industry today. Gebhardt is an Officer of the General Electric Company and has been engaged in the Energy Industry for his entire 25 year career with GE. He began in the Power Generation industry working across steam turbines, gas turbines, nuclear and wind. He later worked in the Transmission & Distribution sector, including smart grid and industrial. Most recently before joining Current, Gebhardt served as Chief Technology Officer and Vice President of Engineering at GE Oil & Gas where he led 7,000+ engineers through a vision built on systems-level thinking, lifecycle value and customer collaboration. He consistently works across GE to leverage technologies from the GE Store to create novel solutions for customers. He was a key contributor to GE’s Industrial Internet, focusing on software and analytics, and was also instrumental in launching GE’s Growth Boards focused on unleashing the entrepreneurial spirit of GE by driving an internal start-up culture. Gebhardt is a graduate of the Georgia Institute of Technology with a Bachelor of Science Degree in Aerospace Engineering. He is also a frequent speaker at industry, government and academic forums and holds 9 patents.

**Joel Gordon**, Chairman, New England Power Pool and Director, Market Policy, PSEG Energy Resources & Trade LLC – Joel Gordon serves as the stakeholder elected Chairman of NEPOOL for 2015 and has served as the Supplier Sector Vice-Chair for the prior two years. He also served as the Chair of the Budget & Finance Subcommittee of
NEPOOL from 2008 through 2013. Gordon is the representative for the PSEG companies within the NEPOOL stakeholder process. He has held similar positions over the past fifteen years with other generators in NEPOOL, including NRG Energy and PG&E National Energy Group representing almost 30% of the total installed generation in New England – over 75 different generating assets operating across the entire dispatch range of the power pool. Before that, Gordon was Financial Vice President for independent energy development firms Eco-Gen Technologies and Bio Development Corporation. He began in the industry as commercial banker with State Street Bank in Boston. Gordon holds a BA in Economics from Brandeis University and an MBA from Babson College.

Charlie Harak, Senior Attorney, National Consumer Law Center – Charlie Harak is managing attorney for the energy and utilities unit at the National Consumer Law Center (NCLC). He represents the interests of low-income consumers before regulatory agencies, legislative bodies, and other policy forums. He holds a seat on the Massachusetts Energy Efficiency Advisory Council and served as a member of the Governor’s Solar Net Metering Task Force in Massachusetts. Among other publications, he is the author of the NCLC reports, “Up the Chimney: How HUD’s Inaction Costs Taxpayers Millions and Drives up Utility bills for Low-Income Families” and “Low-Income Weatherization: Stimulus-Funded Program Shines But Storm Clouds on the Horizon.” He has appeared before utility commissions in eight states and the District of Columbia on issues ranging from power plant prudence hearings to low-income discount rates and the design of energy efficiency programs.

Tim Healy, Chief Executive Officer, Chairman, and Co-Founder, EnerNOC – Tim Healy co-founded EnerNOC in 2001 and serves as its Chairman and CEO. Prior to EnerNOC, Healy worked in the Energy Technology Laboratory for Northern Power Systems, Inc., and held positions with Merrill Lynch, International Fuel Cells (now UTC Fuel Cells), and the venture capital firm Commonwealth Capital Ventures. Healy currently sits on the Board of Directors of the Advanced Energy Economy (AEE), the New England Clean Energy Council, Genability, Inc., and WeSpire, and serves on TechNet’s Executive Committee and the Board of Trustees for the New England Aquarium. Healy is an advisor to several area startups and coaches youth soccer. Healy graduated from Dartmouth College with a BA in Government and Economics, and received an MBA from the Tuck School of Business at Dartmouth.

Hon. Sarah Hofmann, Member, Vermont Public Service Board – Sarah Hofmann was appointed to be a member of the Vermont Public Service Board by Governor Peter Shumlin beginning on March 1, 2015. Prior to her appointment she was the Executive Director of the New England Conference of Public Utilities Commissioners, Inc. (NECPUC). Before NECPUC, Commissioner Hofmann worked for the Vermont Department of Public Service for over sixteen years, first as a staff attorney, then as the Director for Public Advocacy and Consumer Affairs and finally as the Deputy Commissioner. At the Department, Commissioner Hofmann represented the interests of the public in regulated utility matters before Vermont and federal regulatory agencies and courts. She also worked with the legislature on regulatory issues and advised the Commissioner of the Department of Public Service and Governor on utility matters. Earlier in her career Commissioner Hofmann served as one of two Juvenile Defenders in the State of Vermont. She also has been a Legal Aid lawyer in Illinois. Commissioner Hofmann has a BA from Rollins College and a JD from the University of New Hampshire School of Law. She resides in Montpelier, Vermont.

Hon. Martin Honigberg, Chairman, New Hampshire Public Utilities Commission – Chairman Honigberg was appointed to the New Hampshire Public Utilities Commission by Governor Maggie Hassan in December 2013 and became the Chairman a year later. Prior to his appointment, he was a partner at the Concord, NH law firm of Sulloway & Hollis for eleven years. At Sulloway & Hollis, Chairman Honigberg represented clients in a variety of litigation matters before state and federal courts, as well as administrative tribunals. He also served as leader of the Government Relations Practice Group. Chairman Honigberg served as special counsel to New Hampshire Governor Jeanne Shaheen (2001-2003) and as Senior Assistant Attorney General in New Hampshire (1994-1999). He also practiced law at the law firms of Rath, Young & Pignatelli in Concord, NH (2000-2001), Goodwin, Proctor & Hoar in Boston, MA (1989-1994) and Dickstein, Shapiro & Morin in Washington, D.C. (1985-1989). He has served the Concord School District in various positions, including as an elected board member, has been a member of the New Hampshire Supreme Court Advisory Committee on Rules since 2002, and was on the New Hampshire Bar Association Board of Governors from 2001-2005. Chairman Honigberg holds a J.D. from Vanderbilt University and an A.B. from Amherst College.

Hon. Art House, Chair, Connecticut Public Utilities Regulatory Authority – Governor Dannel P. Malloy nominated Chairman Art House to serve as a member of PURA in April 2012, he was confirmed in May 2012, and he was elected chairman in June 2012. Chairman House also Co-Chairs the New England Conference of Public Utilities Commissioners (NECPUC) subcommittee on cyber security. Prior to his time at PURA, Chairman House served as
head of the Communications Group at the National Geospatial-Intelligence Agency, a combat support agency of the U.S. Department of Defense and the nation’s primary source of geospatial intelligence. Previously he was Director of Communications for the Office of the Director of National Intelligence, managing communications and Congressional relations for the DNI and coordinating both functions for the United States Intelligence Community. Chairman House began his career at Fletcher School of Law and Diplomacy at Tufts University. He has taught at the National University of the Congo, Georgetown University and the University of Connecticut and is the author of a book and several articles on international relations. His early career includes work at the World Bank in South Asia and Africa. Chairman House also was chief of staff to former Connecticut Senator Abraham Ribicoff, Staff Director of the Democratic Policy Committee for former Senate Majority Leader Robert Byrd, and a specialist on international relations for former Connecticut Senator Chris Dodd. He also served as a Congressional advisor to the United States Mission to the United Nations. Chairman House has held senior executive positions at several companies including Cigna, Aetna, Tenneco and Webster Bank. Chairman House graduated from Tufts College and has a Ph.D. in international relations from Tufts’ Fletcher School. A native of Manchester, Chairman House currently lives in Simsbury, Connecticut.

Jesse Jenkins, PhD Candidate, MIT Institute for Data Systems and Society – Jesse Jenkins is a PhD candidate in Engineering Systems at MIT’s Institute for Data Systems and Society and a researcher with the MIT Energy Initiative. Jenkins applies an interdisciplinary approach to study electric power sector operations, regulation, and market design, with a focus on two overarching trends transforming the electricity sector: the transition to zero carbon power systems and the proliferation of distributed energy resources. He is currently extending electricity resource capacity expansion methods to study the economics of distributed energy resources, exploring electricity market designs for zero-carbon power systems, and researching the contribution of energy storage and flexible nuclear power plant operations to climate mitigation in the electric power sector. Jenkins earned a S.M. in Technology & Policy at MIT in 2014 and previously directed the Energy and Climate Program at the Breakthrough Institute, a public policy think tank. His research and writing has been featured in invited testimony before the United States Senate Committee on Energy and Natural Resources and in major media outlets including NPR, the New York Times, Wall Street Journal, Washington Post and Time Magazine.

Robert Kaufmann, Scientist and Co-Founder, FirstFuel – Robert K. Kaufmann is a Full Professor on the Department of Earth & Environment at Boston University. He also is a co-founder of FirstFuel Software, a Lexington, MA-based company founded in 2009. FirstFuel’s customer intelligence platform delivers scalable energy efficiency and improves commercial customer engagement for over thirty utilities and government agencies around the world. Kaufmann has written three books, several book chapters, and more than ninety peer-reviewed papers on topics that include world oil markets, global climate change, paleoclimate, land-use change, the global carbon cycle, and ecological economics. These papers, which appear in a variety of natural and social science journals, including Science, Nature, and Proceedings of the National Academy of Sciences, have won awards from Scientific American, The National Wildlife Federation, and the International Association of Energy Economists and have been cited more than 4,000 times. Research results and interviews with Kaufmann have appeared on the CBS and NBC Nightly News, The National Geographic, Readers Digest, and about one hundred newspapers including The Wall Street Journal and The New York Times. Kaufmann has also consulted for The European Central Bank, The World Bank, and Nomura Research Institute, and the Japan National Oil Corporation. In his spare time, he continues his undergraduate interest in herpetology by photographing snakes and lizards in the wild.

Hon. Travis Kavulla, NARUC Chair and President and Commissioner, Montana Public Utilities Commission – Travis Kavulla is a Montana public service commissioner first elected to office in 2010. In addition to his work on the Montana commission, he is involved in Western regional activities to promote efficient markets, the reliability of the grid, and a commonsense response to the EPA’s air and water regulations. He is also the President of the National Association of Regulatory Utility Commissioners, a member of the advisory council of the Electric Power Research Institute, co-chairman of the Northern Tier Transmission Group’s steering committee, and serves on the California ISO’s Energy Imbalance Market Transitional Committee. Prior to his election to the PSC, Commissioner Kavulla worked as a journalist, serving as associate editor for National Review and contributing to many other publications. Commissioner Kavulla earned his undergraduate degree at Harvard, and was a Gates Scholar at the University of Cambridge, England, where he obtained his Master’s. He is a fourth-generation Montanan.

Donald Kreis, Consumer Advocate, New Hampshire Office of the Consumer Advocate – Donald Kreis took office as New Hampshire’s consumer advocate, representing the state’s residential utility customers before the PUC and elsewhere, in February 2016. He has previously served as general counsel of the New Hampshire PUC, where he
has also worked as a staff attorney. Kreis has been a senior energy law fellow at Vermont Law School as well as the associate director of the school’s Institute for Energy and the Environment. He also spent a year as a hearing officer at the Vermont Public Service Board. Prior to beginning his career in utility law 17 years ago, Kreis was for five years a law clerk at, variously, the Maine Supreme Judicial Court, the U.S. District Court for the District of Maine and the Vermont Supreme Court. Before law school he worked as a journalist with Associated Press and the fabled but now defunct alternative newsweekly Maine Times.

W. David LeVasseur, Acting Undersecretary of the Intergovernmental Policy Division at the Connecticut Office of Policy and Management (OPM) – David LeVasseur has been at the Office of Policy and Management since September 7, 2001. He served previously as Director of Municipal Finance Services from April 17, 2015 until February 3, 2016. Prior to that he served as Acting Undersecretary for Intergovernmental Policy from January 2011 until April 17, 2015. Prior to that he served as the Director of Municipal Finance Services from March 2010 to January 2011. Prior to that he served as Undersecretary of the Intergovernmental Policy Division from September 2001 to March 2010. From November 1995 until September 2001, he served as first selectman of the town of Killingworth, Connecticut. In his capacity as Acting Undersecretary of Intergovernmental Policy, LeVasseur serves on a number of boards, commissions and non-profit agencies as the designee for OPM Secretary Benjamin Barnes. He has served on the Connecticut Water Planning Council since 2003. In addition to its other duties, the Intergovernmental Policy Division is responsible for periodically updating the Conservation and Development Policies Plan for the State of Connecticut. The most recent update of this plan is for the period 2013 – 2018 and was adopted during the 2013 legislative session. LeVasseur served in the U.S. Army Judge Advocate Generals Corps and is admitted to practice before the Connecticut Bar. He and his wife, Ann, currently live in Clinton, Connecticut.

Michael McCallan, Director of Emergency Planning, National Grid – As the Director of Emergency Planning, Michael McCallan oversees the development and documentation of emergency response plans for gas, electric and power plant environmental response events, shelter in place, crisis management, emergency action plans, business continuity including conducting exercises and coordinating with government emergency response organizations. McCallan is a member of numerous industry organizations including the Edison Electric Institute (EEI), North Atlantic Mutual Assistance Group (NAMAG) as well as on the Board of Directors for the American Red Cross of Central Massachusetts.

Joseph H. McClelland, Director of the Office of Energy Infrastructure Security, Federal Energy Regulatory Commission – Joseph H. McClelland was appointed the first Director of the Office of Energy Infrastructure Security (OEIS) by former Chairman Jon Wellinghoff in September 2012. OEIS is the new FERC office that will provide leadership, expertise and assistance to identify, communicate and seek comprehensive solutions to potential risks to FERC-jurisdictional facilities from cyber attacks and such physical threats as electromagnetic pulses. Prior to directing OEIS, McClelland served as the first Director of the Office of Electric Reliability, which was created in 2007. He joined the Commission in 2004 as Director of the Division of Reliability within the Office of Energy Markets and Reliability. McClelland came to the Commission with more than 20 years of experience in the electric utility industry. He began his career with Allegheny Energy Inc., holding a variety of positions in engineering, marketing, regulation and rates, and project development. Immediately prior to joining the Commission, McClelland was the General Manager of the Custer Public Power District in Broken Bow, Nebraska. McClelland holds a Bachelor of Science degree in Electrical Engineering from Pennsylvania State University. McClelland lives in Chambersburg, PA with his wife and sons and commutes to Washington, D.C., every day.

Hon. Carlisle Tuggey McLean, Commissioner, Maine Public Utilities Commission – Commissioner McLean was appointed to the Maine Public Utilities Commission in January 2015. Prior to this appointment she served as Chief Legal Counsel and Senior Natural Resources Policy Advisor to the Governor of Maine. Prior to that she practiced environmental, land use and climate strategy law with the Preti Flaherty law firm from 2005 to 2011. Commissioner McLean has also worked at the Yale Center for Environmental Policy and the New York State Office of the Attorney General. Commissioner McLean received her Juris Doctor from Pace University School of Law and her Master of Environmental Management from Yale University School of Forestry. She completed her undergraduate degree at Bates College. Her term expires in March 2017.

Hon. Angela O’Connor, NECPUC President and Chair of the Massachusetts Department of Public Utilities – Angela M. O’Connor was appointed by the Governor of Massachusetts as the Chairman of the Department of Public Utilities in January of 2015. Prior to being appointed, Chair O’Connor was the Executive Director of TechNet for the northeast region. TechNet is a national, bipartisan CEO-led trade association founded in 1997 to create a bridge for the technology industry with state and federal policymakers. Chair O’Connor joined TechNet from the New
Environmental Defense Fund, Peress manages EDF’s policy and advocacy pertaining to local gas distribution

Air Policy Director, Environmental Defense Fund – As Air Policy Director for the Environmental Defense Fund, Peress manages EDF’s policy and advocacy pertaining to local gas distribution.
utilities and interstate pipelines. The focus is to advance energy market structures that provide for safe, economically efficient and environmentally beneficial natural gas infrastructure. Prior to joining EDF, Peress served at the Conservation Law Foundation as VP and Director of the Clean Energy and Climate Change Program. Before CLF, Peress practiced law representing gas and electric utilities at Dewey & LeBoeuf. He also worked at NRG Energy where he was the Director of Environmental Services. Peress is on the Board of Directors of the North American Energy Standards Board, and previously chaired the Air Quality Committee of the American Bar Association. He is an attorney admitted to practice in New York and New Hampshire, and works from EDF’s Boston office.

Hon. Karen Charles Peterson, Commissioner of the Massachusetts Department of Telecommunications and Cable – Karen Charles Peterson formerly served as Chief of Staff for the Department. Prior to joining the Department, she served as acting Chief of Staff for the MBTA. Commissioner Peterson has years of leadership experience in city and state government, including Chief of Staff of the Executive Office of Transportation and of the Registry of Motor Vehicles. For 5 years she was the booking producer for the award winning news program, Greater Boston with Emily Rooney on WGBH. Commissioner Peterson is a 1993 graduate of Suffolk University where she received a Bachelor of Science degree in Government. She is a 1997 graduate of the Center for Women in Politics and Public Policy at the University of Massachusetts, Boston. Commissioner Peterson is the past president of the Conference Of Minority Transportation Officials (COMTO), and the 1999 recipient of the Wonder Woman Award from The Massachusetts Women’s Political Caucus. Commissioner Peterson served as a Trustee at the Advent School in Boston, where she recently led the search for the new Head of School. Commissioner Peterson’s hobbies include reading and traveling. She lives in Boston with her husband, Kevin C. Peterson.

Paul Peterson, Principal Associate, Synapse Energy Economics – Paul Peterson is a Principal with Synapse Energy Economics. He has over thirty years of experience with energy efficiency policy issues through work with the University of Vermont Extension Service, the Vermont Public Service Board, ISO New England, and since 2001 with Synapse. Peterson has worked in regional stakeholder groups in New England, NY, PJM, MISO and ERCOT. Much of his current work focuses on RTOs, wholesale power markets, system planning, and grid-integration of new resources. Peterson has a BA in Political Science from Williams College and a JD degree from Western New England College School of Law.

Hon. Christopher Recchia, Commissioner, Vermont Department of Public Service – Christopher (Chris) Recchia is the Commissioner of the Department of Public Service, to which he was appointed in December of 2013. Prior to his appointment as Commissioner of Public Service, Commissioner Recchia served as Deputy Secretary for the Agency of Natural Resources beginning in January, 2011. He has 30 years of experience as a leader in the development of state and federal environmental and energy policy and the implementation of programs managing natural and energy resources. Prior to these appointments, Commissioner Recchia served as executive director of the Biomass Energy Resource Center (BERC) from 2007 to 2011, a national non-profit organization headquartered in Montpelier, Vermont promoting sustainable wood energy use at the community scale. He came to BERC after a four-year tenure as executive director of the Ozone Transport Commission in Washington, DC (2003-2007), where he directed a commission of 12 mid-Atlantic and northeastern states and the District of Columbia, coordinating air pollution reduction programs and policy. Prior to that, he served as deputy and then commissioner of the Vermont Department of Environmental Conservation (1997-2003). From 1989 to 1997, Commissioner Recchia served as Director of Environmental Programs for the Connecticut Resources Recovery Authority, a quasi-public authority responsible for waste management and recycling services throughout the state of Connecticut, and prior to that worked with the Connecticut Department of Environmental Protection in its Office of Coastal Programs. Commissioner Recchia holds a bachelor’s degree in Zoology from the University of Vermont (1980), a master’s in Environmental Law from Vermont Law School (1982), and a master’s in Natural Resource Policy and Management from Yale University School of Forestry and Environmental Management (1984). He serves as vice-chair of the Randolph Development Review Board, Chair of the Legislative Committee on Solar Siting, is on the Boards of Directors of Vermont Economic Development Authority (VEDA; 2013 to present) and the Vermont Council on Rural Development (VCRD; 2015) and is co-owner of a small organic farm in Randolph.

Emily Reichert, Chief Executive Officer, Greentown Labs – As its first employee, Dr. Emily Reichert, transformed Greentown Labs from a band of entrepreneurs sharing prototyping space into the nation’s largest cleantech incubator. She sets Greentown Labs’ strategic direction, focusing on increasing the organization’s impact on clean and energy efficient technology commercialization through entrepreneurship. She also directs Greentown’s efforts to engage new partners, to expand educational programs for clean technology entrepreneurs, and to leverage the community of investors, universities, government agencies and NGOs striving to build our clean energy future. Prior
Robert Rio, Senior Vice President, Government Affairs, Associated Industries of Massachusetts – As Senior Vice President of Government Affairs and Counsel for the Associated Industries of Massachusetts (AIM), Rio does advocacy work on behalf of the organization’s more than 4,500 member companies. In this capacity, Rio is responsible for all energy, environmental, chemical or product legislation, regulation and ballot questions. Rio’s work includes both regulatory and legislative efforts. He has appeared on behalf of AIM in front of the Department of Public Utilities, the Department of Environmental Protection, the Environmental Protection Agency, the Department of Public Safety, and the Mass Water Resources Authority. He has also argued before the Massachusetts Supreme Judicial Court in Alliance to Protect Nantucket Sound & Others vs. Department of Public Utilities (SJC-10934). He represents AIM as a member of several ongoing advisory groups within the Department of Environmental Protection, the New England Power Pool and other agencies, including various regulatory reform committees. Rio is often quoted on energy and environmental issues on radio and newspaper and has appeared on several TV programs discussing these issues. Rio joined AIM in 1997 with an extensive background in industrial and regulatory areas. He has an undergraduate degree in Biology from Boston University, a Master’s Degree in Engineering from Northeastern University and received his law degree from Suffolk University in 1994.

Stephen J. Rourke, Vice President, System Planning, ISO New England – Stephen J. Rourke is Vice President, System Planning for ISO New England, having previously served as the company’s Director, Reliability & Operations Services. A former manager of the Rhode Island - Eastern Massachusetts - Vermont Energy Control center (REMVEC) in Westborough, MA and former manager of marketing operations for Northeast Utilities/Select Energy Inc in Berlin, CT, Rourke has over 30 years of experience in operations and planning of the New England bulk power system. He is responsible for overseeing the regional and interregional planning process, including development of the annual Regional System Plan, analyzing and approving new transmission and generation projects for New England, implementing the FERC-approved generator interconnection process, developing ISO findings for Transmission Cost Allocation, performing stakeholder requests for regional economic planning studies, and operating and supporting the Forward Capacity Market in New England. He currently serves as a member of the Board of Trustees for Western New England University (WNEU) in Springfield, MA. Rourke has a B.S. in Electrical Engineering from Worcester Polytechnic Institute and an M.B.A. from WNEU. He is a Senior Member of the Institute of Electrical and Electronic Engineers (IEEE).

Hon. Robert Scott, Commissioner, New Hampshire Public Utilities Commission – Commissioner Scott was appointed by Governor John Lynch as Commissioner of the New Hampshire Public Utilities Commission in March 2012. He previously served with the New Hampshire Department of Environmental Services as Air Resources Division Director (2003-2012), a position to which he was originally appointed by Governor Craig Benson. Prior to 2003 he served in various positions with the Department of Environmental Services. He worked as an engineer in private industry from 1990 to 1995 and as a munitions and aircraft maintenance officer in the United States Air Force from 1986 to 1990. Commissioner Scott currently serves on the Board of Directors of the National Association of Regulatory Utility Commissioners (NARUC) and on the Committee on Critical Infrastructure as well as the Committee on Energy Resources and the Environment. Commissioner Scott is on the Regional Greenhouse Gas Initiative, Inc. (RGGI) Board of Directors, and Co-Chairs the New England Conference of Public Utilities Commissioners (NECPUC) subcommittee on cyber security. In 2013 Governor Maggie Hassan appointed Commissioner Scott as New England States Committee on Electricity (NESCOE) manager to represent New Hampshire on regional electricity matters. He also formerly served as co-chair of the Northeast Energy Efficiency Partnerships (NEEP) Evaluation, Measurement and Verification Forum Steering Committee. Commissioner Scott holds a B.S. in Mechanical Engineering from Lehigh University. He recently retired as a cyberspace operations officer with the Air National Guard after 30 years of Air Force service. During this time he was commander of the 332nd Expeditionary Communications Squadron, commander of the 243rd Engineering Installation Squadron, and finally commander of the 265th Combat Communications Squadron of the Maine Air National Guard.

Johanna Shelton, Director, Public Policy & Government Relations, Google – Johanna Mikes Shelton leads all Google public policy engagement with the U.S. Executive Branch, overseeing a team working with the federal government on core Internet policy and cutting edge technologies like self-driving cars, drones, and clean energy. As an early member of Google’s Washington team, Shelton led Google’s political and policy outreach with House and Senate Democrats, and played a key role in nearly every issue the company has faced since 2007,
including competition, intellectual property, privacy, broadband and Internet matters. Shelton previously held leadership positions at the intersection of technology and government - serving as senior counsel for telecommunications and the Internet for the U.S. House of Representatives Committee on Energy and Commerce under Chairman John Dingell, counseling Representative Rick Boucher on telecommunications and intellectual property, advising Federal Communications Commissioner Jonathan Adelstein on cable and broadcast matters, and handling FCC Common Carrier Bureau antitrust reviews and rulemakings. Shelton was an attorney for Latham & Watkins in Washington DC and clerked for the Honorable Karen Nelson Moore, U.S. Court of Appeals for the Sixth Circuit. Shelton received her J.D. magna cum laude and a B.S. in Business Administration summa cum laude from Georgetown University.

Scott Silverstein, President and Chief Operating Officer, Footprint Power – Scott Silverstein has over 20 years of experience in energy regulation, M&A and finance in the legal, corporate and private equity sectors. Silverstein and his partner founded Footprint in 2009, where they acquired Salem Harbor Station and developed, financed and are now constructing a new gas-fired plant on the same site as they have demolished and remediated the old plant. Prior to founding Footprint, Silverstein was Senior Vice President, Regulatory Affairs at both K Road Power and EBG Holdings, where he directed all aspects of the regulatory affairs related to the companies’ 3,000 MW portfolio of natural gas and oil fired power plants in and around the city of Boston. Prior to joining K Road, Silverstein was Vice President, Chief Regulatory and Asset Optimization Counsel at Sithe Energies. Silverstein joined Sithe from the law firm of Hogan & Hartson LLP, where he was an Associate in the energy practice of the firm’s Washington, D.C. office. Silverstein holds a B.A. magna cum laude from Boston University and a J.D. cum laude from the Georgetown University Law Center. Silverstein was first elected to serve on the Board of Education of Springfield, NJ in 2010. He continues to serve on the Board, were he served as Vice President in 2014 and President in 2015.

Maureen Smith, Shareholder, Orr & Reno – Maureen D. Smith is a Director of the Orr & Reno law firm in Concord, New Hampshire. She chairs the Energy & Environmental Practice Group and serves as the firm’s Ethics Counsel. She is also a member and former Chair of the Ethics Committee for the New Hampshire Bar Association. Her practice includes representing clients in administrative proceedings and commercial transactions relating to energy facility development, siting, natural gas transmission, and regulatory compliance. Her practice has also included representation in professional conduct matters. Before joining Orr & Reno, she served as Senior Assistant Attorney General for New Hampshire’s Department of Justice Environmental Protection Bureau and was a member of the Attorney General’s Ethics Committee. Before that, she served as counsel for the U.S. Environmental Protection Agency’s Office of General Counsel in Washington, D.C. Smith currently serves as Vice Chair of the Energy & Telecommunications Policy Committee for the New Hampshire Business & Industry Association. She also serves as Trustee and Vice Chair of the Policy Committee for The Nature Conservancy (New Hampshire Chapter). She is a member of the American Bar Association. She received her Juris Doctor degree from Georgetown University and her Bachelor of Science degree from the University of Michigan.

Richard E. Sobolewski, Supervisor of Utility Financial Analysis, Connecticut Office of Consumer Counsel – Rich Sobolewski joined the Office of Consumer Counsel (OCC) of the State of Connecticut in 1986. He has served in a number of accounting, financial and analytical positions within the OCC, holding his current position since 2002. Sobolewski oversees OCC’s technical staff and outside consultants. Sobolewski has participated in over 200 utility rate proceedings involving Connecticut’s water, electric, natural gas and telecommunications companies. Under his leadership, the Office of Consumer Counsel has entered into a number of negotiated rate settlements with Connecticut’s utility companies. Sobolewski has lead the OCC’s efforts on many issues including decoupling, utility mergers and acquisitions, performance based ratemaking plans, utility company land sales and a uniform rate of return methodology. He is a member of the American Water Works Association and has been an active participant in the National Association of State Utility Consumer Advocates’ gas, water and tax and accounting committees. Sobolewski is a graduate of Central Connecticut State University.

Christopher Spirito, Nuclear Cyber Security Consultant, Idaho National Laboratory – Chris Spirito is a Nuclear Cyber Security Consultant with Idaho National Laboratory. His group specializes in providing nuclear-cyber support to the US DoE, IAEA and UN member states. Prior to INL Spirito was the International Cyber Lead within the National Security Engineering Center at The MITRE Corporation. Spirito recently co-published a paper with his Russian counterparts on US-Russia Bilateral Cooperation in the Sphere of Cybersecurity as part of the Working Group on the Future of US-Russia Relations. He is a Visiting Lecturer at the University of Tartu Faculty of Law in Estonia and contributed to a book that was released by the International Institute on Strategic Studies on the Evolution of the Cyber Domain: The Implications for National and Global Security. In addition to his work at
MITRE Spirito is a Board Member and technical advisor to WiRED International, an NGO based in California focused on providing medical education to clinicians in underserved regions of the world.

**KR Sridhar**, founder and CEO, Bloom Energy – KR Sridhar is the principal co-founder, President, Chairman and CEO of Bloom Energy. Prior to founding Bloom Energy, Sridhar led a team developing technologies to sustain life on Mars for NASA. For his work, Fortune Magazine cited him as "one of the top five futurists that are inventing tomorrow today." Before this Sridhar was a professor of Aerospace and Mechanical Engineering as well as Director of the renowned Space Technologies Laboratory (STL) at the University of Arizona. Sridhar received his Bachelors Degree in Mechanical Engineering with Honors from the University of Madras, India, as well as his M.S. in Nuclear Engineering and Ph.D in Mechanical Engineering from the University of Illinois, Urbana-Champaign. Sridhar is a member of the National Academy of Engineering and has served on many technical committees, panels and boards. He has over fifty publications and is a sought-after speaker and advisor on energy and environmental issues. He is outspoken in his belief that the climate crisis we face is also a tremendous economic opportunity, that energy policy must be technology-neutral and performance-based, and that we can solve our current energy problems through a combination of technology, innovation and conservation. Sridhar enjoys outdoor activities. He is an avid hiker and runner, participating in marathons when possible. Sridhar enjoys mentoring young people interested in math and science. Sridhar and his wife have two children and live in Woodside, California.

**Nancy Stevens**, Director of Consumer Affairs, Massachusetts Department of Public Utilities – Nancy Stevens joined the Department in 2012. Stevens oversees the investigations of complaints against the regulated utilities within the Commonwealth. Stevens also serves as the Commonwealth’s Ombudsperson for Distributed Generation Interconnection Resolution, mediating with Developers and Local Distribution Companies to resolve Interconnection disputes. In addition she serves as part of the team reviewing Competitive Supplier and Broker applications for licensure to operate in Massachusetts. Prior to joining the Department, Stevens served 12 years as an elected official in the City of Marlborough, including three terms as Mayor. As Mayor, Stevens worked to spearhead the process by which Marlborough became the first single municipality in the Commonwealth to receive approval for a Municipal Aggregation program. Since joining the Department Nancy continues her passion by serving on the team reviewing Municipal Aggregation plans for approval. Nancy holds a Bachelor of Science from Susquehanna University in Marketing and Management.

**Andreas Thanos**, Policy Specialist, Gas Division, Massachusetts Department of Public Utilities – Andreas Thanos has been, in various capacities, with the Gas Division of the Massachusetts Department of Public Utilities since 1993. In addition to his regular gas division-related duties, Thanos is the longest-serving member of the Department’s Cybersecurity team, working with utilities, counterparts and commissioners at the state and regional level. At the national level, Thanos is the Chair of NARUC’s Staff Subcommittee on Gas and the staff member of NARUC’s LNG Working Group (and its predecessor – the NARUC-DOE LNG Partnership). Thanos has participated in several NARUC-administered USAID projects. Namely, consulting with Albania’s Energy Regulatory Authority (in the United States) and visiting and consulting with the Public Services Regulatory Commission of Armenia, in Yerevan and more recently, the Energy Regulatory Office of Kosovo in Pristina. Thanos has an MBA from the University of Massachusetts in Boston, and a Master’s in Energy Economics from Boston University.

**Hon. Mark Vannoy**, Chairman, Maine Public Utilities Commission – Mark Vannoy was appointed Chairman of the Maine Public Utilities Commission in December 2014 by Governor Paul R. LePage. He had previously served as Commissioner being appointed in June 2012 and reappointed in May 2013. Prior to coming to the Commission he worked as an Associate Vice President in the infrastructure and civil practice group at Wright Pierce in Topsham, Maine. Before moving to Maine in 2000, he served as an Officer in the United States Navy, completing tours as a NROTC instructor at Cornell University, and a nuclear tour, as the Damage Control Assistant aboard CGN36 USS California. Commissioner Vannoy graduated from the United States Naval Academy in 1993 with a Bachelor of Science in Ocean Engineering. He completed his Masters of Engineering at Cornell University in 2000. His term expires in March 2019.

**Maureen Westbrook**, Vice President of Customer and Regulatory Affairs, Connecticut Water – Maureen Westbrook has held various positions in her 28 year career at Connecticut Water Company. She is currently responsible for all of the Company’s customer service, customer communications, public information and media relations programs. In addition, she coordinates the company’s legislative and regulatory efforts, developing strategies that balance the interests of the company and its customers with other stakeholders, protecting water supplies and promoting environmental stewardship. Westbrook also oversees the company’s water resources and planning programs and
regulatory permitting and compliance. Westbrook has a BA in Biology from Smith College and a Master of Science degree in Environmental Pollution Control from Pennsylvania State University.

George Young, Policy Director and Deputy General Counsel, Vermont Public Service Board – George Young is the Policy Director and Deputy General Counsel for the Vermont Public Service Board. He has been at the Public Service Board for 20 years, working on issues related to electricity, natural gas, telecommunications, and nuclear power. Prior to joining the Board, Young was employed for 8 years by the Vermont Department of Public Service, working as Special Counsel and General Counsel. Young began his legal career in 1980 with the U. S. Environmental Protection Agency, specializing in water pollution control issues. He is a 1976 graduate of Middlebury College and received his law degree cum laude from Boston College Law School in 1980.