



**NARUC**  
**MANAGING RISK:  
PROTECTING CONSUMERS  
AND CRITICAL ASSETS**  
NOVEMBER 17 – 20, 2013  
ORLANDO HILTON BONNET CREEK, FL

# Speaker Biographies

*Biographies are listed alphabetically.  
Received as of Noon on November 14, 2013*

**Akiba, Lorraine**

Lorraine H. Akiba was appointed to the Hawaii Public Utilities Commission in January 2012 by Governor Abercrombie. Prior to this, she was a partner at McCorriston Miller Mukai MacKinnon and Cades Schutte Flemming & Wright and headed the Environmental Practice Groups at both law firms. She holds a J.D. from the University of California, Hastings College of the Law and a B.A. in political science from the University of California at Berkeley. Commissioner Akiba also served as the Director of the State Department of Labor and Industrial Relations and Chair of the State Environmental Council. She is currently a member of the Electric Power Research Institute Board Advisory Council.

**Allen, David**

Dr. David Allen is the Gertz Regents Professor of Chemical Engineering, and the Director of the Center for Energy and Environmental Resources, at the University of Texas at Austin. Dr. Allen has been a lead investigator for multiple air quality measurement studies, which have had a substantial impact on the direction of air quality policies. He has served on a variety of governmental advisory panels and currently chairs the Environmental Protection Agency's Science Advisory Board. He received his doctoral degree in Chemical Engineering from the California Institute of Technology in 1983.

**Bailey, John**

John Bailey serves as the Executive Director of Digital Learning Now!, a national campaign under Gov. Jeb Bush's Foundation for Excellence in Education that seeks to accelerate the use of digital learning technologies and next generation models of learning. John co-founded Whiteboard Advisors, which advises investors, philanthropist, and entrepreneurs. Previously, John served at the White House as Special Assistant to the President for Domestic Policy as well as a top policy advisor to the Secretary of Commerce on immigration, healthcare, and telecommunications issues. John also managed a portfolio of national advocacy grant while at the Bill and Melinda Gates Foundation. He has held advisory roles in three Presidential campaigns.

**Bakal, Dan**

Dan Bakal joined Ceres in 2000, and has helped launch and advance two of the organization's signature efforts, The Global Reporting Initiative (GRI), which develops sustainability reporting guidelines and the \$11 trillion Investor Network on Climate Risk (INCR), whose members are addressing the risks and opportunities associated with climate change. Dan oversees Ceres' electric power research, shareholder engagement, and furthers the understanding of environmental risks, with a particular focus on climate risk. He works closely with Ceres coalition members, including environmental, investor, labor and public interest groups, to encourage electric power companies to address climate change and advance clean energy solutions. Dan holds a B.A. from the University of Pennsylvania.

**Ball, William**

William Ball is responsible for all aspects of Southern Company's transmission system and is actively involved in electric utility industry matters. He serves on the Eastern Interconnection Planning Collaborative Executive Committee, National Institute of Standards and Technology Smart Grid Federal Advisory Committee, Department of Energy Electricity Advisory Committee, Consortium for Electric Reliability Technology Solutions Industry Leadership Council, and the North American Transmission Forum. He is a graduate of Mississippi State University (MSU) with a bachelor degree in Electrical Engineering and holds an MBA from the University of Southern Mississippi. He is a Distinguished Fellow of the Mississippi State University James Worth Bagley College of Engineering, and serves on the MSU Dean's Advisory Council.

**Balbis, Eduardo**

Eduardo E. Balbis was appointed by Governor Charlie Crist and reappointed by Governor Rick Scott to serve through January 1, 2015. Commissioner Balbis serves on the NARUC Committees on Gas and on Critical Infrastructure. Prior to serving on the PSC, Commissioner Balbis was the Assistant City Administrator for the City of West Palm Beach, where he managed the Public Utilities, Public Works, and Engineering Departments. Commissioner Balbis also previously served as Chairman of the Board of the East Central Regional Wastewater Reclamation Facility, where he helped bring to fruition one of the largest conservation projects in Florida: a 27 million gallon-per-day water reuse project that provides treated wastewater in lieu of groundwater to cool a 3,750 MW power plant. A lifelong Florida resident, Commissioner Balbis worked for over twelve years in the private sector after graduating from the University of Florida with a degree in Environmental Engineering.

**Baller, Jim**

Jim Baller is the president of the Baller Herbst Law Group based in Washington, DC. He represents clients in a broad range of communications matters in Washington and in more than 40 states. The Fiber to the Home Council has recognized him as "the nation's most experienced and knowledgeable attorney on public broadband matters." He has won numerous awards for his work in defense of the right of communities to decide their own broadband futures. Jim is also co-host of BroadbandUS.TV's broadband policy series, "Inside Voices on Critical Choices." He is a graduate of Dartmouth College and Cornell Law School.

**Barbose, Galen**

Galen is a researcher in the Electricity Markets and Policy Group at Lawrence Berkeley National Laboratory, one of the U.S. Department of Energy's national laboratories. Galen has worked at the lab for 12 years, conducting analysis and providing technical assistance to policymakers on a broad array of issues in the electricity industry related to renewable energy, energy efficiency, and regional electric system planning. As part of these efforts, Galen and his colleagues track state-level renewables portfolio standards policies, and frequently give briefings to policymakers, regulators, and other industry stakeholders describing the design and impact of state RPS programs to-date.

**Bigelow, John**

John R. Bigelow is senior vice president of Business Services for American Water, the largest publicly traded U.S. water and wastewater utility company. In this role, Mr. Bigelow is responsible for further driving efficiencies and best practices across the American Water footprint. He also leads certain centralized support functions to achieve operational excellence. Mr. Bigelow joined American Water in 1994 and successfully held a number of senior management positions during his tenure. He most recently served as president of New Jersey American Water where he was responsible for customer, regulatory and local government relationships, operational and financial results, and was the principal external contact for American Water in New Jersey. He also served as American Water's senior vice president of Regulatory Programs and Enterprise Risk Management and as the company's chief financial officer from December 2003 to February 2006 and was primarily responsible for the financial activities of the company.

**Bolander, James**

Since 2012, Mr. Bolander has lead the Southwestern Energy V+ Resource Development Team. His group includes the Health, Safety and Environmental team, and the Strategic Solutions team. Strategic Solutions partners with the Company's Operating teams to develop opportunities that balance the economic and environmental impact of our work. The team leads well integrity, water management solutions, surface impact and air emissions projects. He joined Southwestern Energy in 2001 as an Operations Engineer in the Company's East Texas region. Since that time he has served as Vice President – HS&E, Chief Operations Engineer for Southwestern, and Vice President of Operations for the Company's Fayetteville Shale operations leading drilling and completion operations in the refinement of drilling and hydraulic fracturing techniques.

**Boyd, David**

David Boyd is a member of the NARUC Board of Directors, Chair of the Committee on Electricity, and a member of the Committee on International Relations, Subcommittee on Clean Coal and Carbon Sequestration, Subcommittee on Nuclear Issues-Waste Disposal, Subcommittee on Education and Research, and was the 2013 recipient of the Terry Barnich Award. Boyd serves as Vice Chair of the International Confederation of Energy Regulators (ICER), President of the Eastern Interconnection States' Planning Council (EISPC), and in leadership positions for the Nuclear Waste Strategy Coalition, Organization of Midcontinent ISO States (OMS), the Mid America Regulatory Conference, and is a member of the EPRI Advisory Council. Boyd was appointed to the Minnesota Public Utilities Commission by Governor Tim Pawlenty in 2007 and reappointed in 2008.

**Boyd, Skiles**

Mr. Boyd is vice president of environmental management and resources at DTE Energy (NYSE:DTE), a Detroit-based diversified energy company involved in the development and management of energy-related businesses and services nationwide. Mr. Boyd is responsible for managing the company's environmental issues which include setting environmental policy, representing the company on environmental issues with the public and in environmental regulatory and legislative development, coordinating environmental studies and conducting environmental audits. He manages a department of approximately 72 people. Mr. Boyd has worked in DTE's environmental department for over 30 years. Mr. Boyd earned a Bachelor of Science degree in environmental resource management from Pennsylvania State University and a master of business administration degree from Wayne State University.

**Boyer, Chris**

Chris Boyer serves as Assistant Vice President - Public Policy at AT&T Services Inc. Mr. Boyer is responsible for developing and coordinating AT&T's public policy positions on issues impacting emerging services and technology with a focus on cyber security. Mr. Boyer participates in a wide range of legislative, regulatory and policy development proceedings and represents AT&T before stakeholders on the Federal and state levels and in a variety of international forums. In this role Mr. Boyer also serves as AT&T's representative and the current President of the Board of Directors of the National Cyber Security Alliance, a public private partnership dedicated to promoting cyber security awareness and education for home users, small and medium size businesses, and primary and secondary education.

**Breathitt, Linda**

Governor Steve Beshear appointed Linda K. Breathitt as a member of the Kentucky Public Service Commission (PSC) on May 21, 2012, and reappointed her to a full term on July 2, 2013. Her term expires June 30, 2017. Prior to joining the PSC, Commissioner Breathitt served as the federal representative to the Southern States Energy Board, a post to which she was appointed by President Barack Obama in August 2010. Commissioner Breathitt's lengthy career in the utility and energy field includes a previous term of service with the PSC. She was appointed to the PSC in September 1993 by Governor Brereton Jones, and served through October 1997, holding the post of chairman from December 1995 until her departure. In November 1997, Commissioner Breathitt began a five-year term as a member of the Federal Energy Regulatory Commission (FERC), having been appointed by President Bill Clinton and confirmed by the U.S Senate.

**Cash, David**

David Cash was appointed to the Massachusetts DPU in June, 2011. Prior to this he was the Undersecretary for Policy in the Executive Office of Energy and Environmental Affairs where he advised the Secretary on a broad range of energy and environment issues. He was one of the architects of clean energy policy in the first term of the Patrick Administration and led the effort in developing the *Massachusetts Clean Energy and Climate Plan for 2020*, a portfolio of policies designed to lower energy costs, create clean energy jobs, and reduce greenhouse gases. He received a Ph.D. in Public Policy from Harvard in 2001, and a B.S. in biology from Yale in 1987.

**Cauley, Gerry**

Gerry Cauley is President and Chief Executive Officer of the North American Electric Reliability Corporation (NERC), a position he has held since January 2010. Mr. Cauley is responsible for overseeing NERC's mission to ensure the reliability of the North American bulk power system. As President and CEO, Mr. Cauley leads key programs affecting over 1900 bulk power system owners, operators, and users, including standards and training, critical infrastructure, risk analysis, compliance monitoring, enforcement, situation awareness, reliability assessment, and government relations. Mr. Cauley also oversees the operation of eight regional entities engaged in implementation of delegated responsibilities. From 2007 to 2009, Mr. Cauley served as President and Chief Executive Officer of the SERC Reliability Corporation, a reliability region covering 16 states in the southeastern and central United States.

**Cheney, Margaret**

Commissioner Margaret Cheney was appointed to the Vermont Public Service Board in 2013 by Governor Peter Shumlin. Prior to her appointment, she served four terms in the Vermont House of Representatives, where she was vice chair of the Natural Resources and Energy Committee and sponsored a number of renewable energy laws. She was educated outside the US before earning her B.A. from Harvard University. She became a newspaper reporter in California and served eleven years as managing editor of The Washingtonian magazine in Washington, DC. In Vermont, she also was on the faculty of Sharon Academy, where she taught Spanish and environmental science.

**Choi, Caroline**

Caroline Choi is vice president, Integrated Planning and Environmental Affairs for Southern California Edison (SCE), responsible for analysis of critical federal and state energy and environmental policy, as well as analysis and development of an integrated, long-term environmental and energy strategy for SCE. Prior to joining SCE in 2012, Choi was executive director of Environmental Services & Strategy at Progress Energy, where she was responsible for leading environmental permitting, compliance and policy. She served the company in various roles, including director, Energy Policy & Strategy and manager, Federal Public Affairs. Choi serves as chair of the Edison Electric Institute Environmental Executive Advisory Committee. She has served on various non-profit boards and is a board member of the National Forest Foundation. Choi has a bachelor's degree in government from Dartmouth College

**Clark, Tony**

Commissioner Tony Clark is serving his first term on the Commission, having been nominated by President Obama and sworn in on June 15, 2012. A Republican, he is serving out a five-year term that expires June 30, 2016. Commissioner Clark formerly served as a member of the North Dakota Public Service Commission, most recently as Chairman of the Commission. The office is a statewide elective office, and Commissioner Clark was first elected to the PSC in 2000. While at the North Dakota Commission, Commissioner Clark held the PSC portfolio on electric generation and transmission and was active in state and regional efforts to develop North Dakota's vast energy exporting potential and to provide affordable, reliable energy to consumers. In his 12 years at the Commission, he oversaw regulatory proceedings that permitted more than \$5.5 billion in new investment in North Dakota through expanded wind, coal and oil and gas infrastructure. At the same time North Dakota maintained its position as one of the lowest cost energy states in the nation, and continued its tradition of excellence in environmental protection.

**Clyburn, Mignon**

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. 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.

**Deane, Michael**

Michael Deane is the Executive Director of the National Association of Water Companies (NAWC). Before joining the NAWC in 2009, he was Associate Assistant Administrator for Water at the EPA and he has also served in executive roles at several water management companies, including United Water - and its parent company, Suez - and the US operations of Vivendi (now Veolia). Under his leadership, the NAWC has increased outreach efforts on the regulatory and legislative fronts and Michael has made educating Americans about the value of water and the challenges facing our nation's water infrastructure a key priority for NAWC.

**Dumoulin-Smith**

Julien Dumoulin-Smith is a Director in UBS Investment Research's Utilities group, primarily focusing on the Diversified Utilities and Independent Power Producers (IPPs). Covering the Electric Utilities since 2007, Julien has followed a broad spectrum of the space, including both regulated and competitive integrated utilities, as well as the IPPs. He was ranked the "Rising Star" for the last three years running (2010-2012) among Utilities analysts by Institutional Investor magazine, as well as #1 Stock Picker for IPPs in the FT's Starmine rankings, and #3 Stock Picker for the entire Utility Sector in the Wall Street Journal's Best on the Street rankings for 2011. Additionally, he was ranked #1 in Institutional Investor's survey of Hedge Fund managers for 2012. Education Julien earned his BS at Columbia University in Applied Math. He is also a CFA charterholder.

**Edgar, Lisa**

Lisa Polak Edgar was recently appointed to the Florida Public Service Commission (PSC) by Governor Rick Scott for a third four-year term beginning in 2013. She was previously appointed by Governors Bush and Crist. From January 2006 to January 2008, she served as PSC Chairman and participated as a member of the Florida Energy Commission and the Governor's Action Team on Energy and Climate Change. Commissioner Edgar is a member and Second Vice President of the National Association of Regulatory Utility Commissioners (NARUC). She serves on NARUC's Executive Committee, Board of Directors, the Committees on Electricity and Consumer Affairs, and the Task Force on Environmental Regulation and Generation. From 2005 through 2009, she served on the Federal Communications Commission Universal Service Joint Board working for efficient, accountable and fiscally responsible use of universal service funds. Prior to joining the PSC, Commissioner Edgar served as Deputy Secretary for the Florida Department of Environmental Protection (DEP). She received her Bachelor of Science and Juris Doctorate degrees from Florida State University and is a member of the Florida Bar.

**Epel, Joshua**

Commissioner Epel is chairman of the National Association of Regulatory Utility Commissioners (NARUC) Task Force on Environmental Regulation and serves on the ERE Committee. Mr. Epel is co-chair of the SEE Action Committee on Industrial Energy Efficiency and combined Heat and Power Working Group and is co-author of the report, "Guide to the Successful Implementation of State Combined Heat and Power Policies." Prior to his appointment, Joshua was Assistant General Counsel at DCP Midstream, where he oversaw all environmental, public health and safety matters for the company. Joshua has represented the State of Colorado as a member of the Regional Air Quality Council and the Grand Canyon Visibility Transport Commission.

**Fine, Steve**

Steve Fine is a Vice President with ICF's Energy Advisory Services practice. At ICF, his work has concentrated on evaluating the economics of conventional and renewable energy resources within the context of developing environmental and energy regulations. This includes a number of multi-pollutant compliance planning, asset valuation, and environmental positioning assignments for electric generating companies in the US. He works with many of the major US power companies and developers and is a recognized expert on assessing the impact of environmental regulatory policies, and renewable portfolio standards on unit and fleet compliance, environmental capex, asset valuation, and asset deployment and retirements.

**Flynn, John**

John Flynn joined American Transmission Co. in 2010 as its first vice president of business development. He is responsible for strategic & project planning, regulatory relations, and leading ATC's efforts to expand transmission development opportunities outside of its current service territory. Flynn also serves as President of Duke-American Transmission Company (DATC). DATC is a 50/50 joint venture between Duke Energy and ATC, formed in 2011, which is pursuing transmission development on a national scale. Prior to joining ATC, Flynn served in several key transmission leadership roles at American Electric Power in Columbus, Ohio, including managing director of Strategic Planning, Finance & Business Development for AEP Transmission, as well as president of Pioneer Transmission (a joint venture between AEP and Duke Energy), and executive vice president of Electric Transmission America (a joint venture between AEP and MidAmerican Holdings). Flynn's nearly 30 year career in the energy industry also includes financial, auditing, regulatory and policy responsibilities with Northeast Utilities, Progress Energy and Arthur Andersen. Flynn graduated from Fairfield University with a bachelor's degree in accounting.

**Foran, Paul**

Mr. Foran is an attorney and consultant in private practice. In August, 2013, he retired from American Water, the largest investor owned water company in the U.S., where he served as V.P. and Counsel for Regulatory Programs. He served as a Commissioner of the Illinois Commerce Commission from 1986-1993, as Chair of the NARUC Water Committee, member of the NARUC Executive Committee, and Director of the NARUC Water Committee Rate Schools. By USEPA appointment, he also served as a Member of the National Drinking Water Advisory Counsel. Before and after his service as Commissioner, Mr. Foran represented utilities, government entities, and other parties in utility proceedings before state and federal agencies."

**Frick, Thomas**

Thomas Frick is currently Director of the Division of Environmental Assessment and Restoration of the Florida DEP. That Division is responsible for implementing the Florida Watershed Restoration Act and the Clean Water Act for the State of Florida including setting water quality standards, monitoring and assessing surface water quality, establishing TMDLs and restoration of goals, and developing and implementing Basin Management Action Plans, the blueprint for restoration. Mr. Frick holds a BS in Chemistry. Prior to his current position, Mr. Frick was Bureau Chief of DEP's Bureau of Watershed Restoration.

**Frisby, Russell**

H. Russell Frisby, Jr. is a Partner in the Energy and Telecommunications Group at Stinson Morrison Hecker LLP. Mr. Frisby is past President of the Competitive Telecommunications Association. Prior to joining COMPTTEL, he served as the Chairman of the Maryland Public Service Commission. During his tenure, the Commission was renowned for its pro-competitive policies in telecommunications, gas and electricity matters. He participated in a number of key decisions, including the Telecommunications Act arbitration proceedings, gas unbundling, and the electric industry restructuring. Mr. Frisby is also a Director at Pepco Holdings, Inc. He previously served on the Board of PAETEC.

**Gallagher, Patrick**

Dr. Patrick Gallagher was confirmed as the 14th Director of the U.S. Department of Commerce's National Institute of Standards and Technology (NIST) on Nov. 5, 2009. He also serves as Under Secretary of Commerce for Standards and Technology, a new position created in the America COMPETES Reauthorization Act of 2010. Prior to his appointment as NIST Director, Gallagher had served as Deputy Director since 2008. Gallagher provides high-level oversight and direction for NIST. The agency promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology. NIST's FY 2013 budget includes \$778.0\* million in direct and transfer appropriations, an estimated \$49.7 million in service fees and \$120.6 million from other agencies. The agency employs about 3,000 scientists, engineers, technicians, support staff, and administrative personnel at two main locations in Gaithersburg, Md., and Boulder, Colo. NIST also hosts about 2,700 associates from academia, industry, and other government agencies, who collaborate with NIST staff and access user facilities.

**Gardner, James**

James W. Gardner is Vice Chairman, Kentucky Public Service Commission and member of the National Association of Regulatory Utility Commissioners (NARUC) Executive Committee, Chair of NARUC's Subcommittee on Education and Research, and Co-Vice Chair of the Committee on Energy Resources and the Environment. He co-chaired the December 2009 NARUC/National Council on Electricity Policy conference on Utilities of the Future and is the past Chair of NARUC's Task Force on Environmental Regulation and Generation. Gardner also serves on the Advisory Boards of the Financial Research Institute, the Gas Technology Institute, and the Electric Power Research Institute. Vice Chairman Gardner received his Bachelor of Arts degree in mathematics from Georgetown College. Vice Chairman Gardner holds a Juris Doctor degree from the University of Kentucky College of Law.

**Gasteiger, Larry**

Larry D. Gasteiger is the Deputy Director of the Office of Enforcement. Previously, Mr. Gasteiger was the Director of the Division of Tariffs and Market Development - East in the Office of Energy Market Regulation. Prior to that, he held several other positions at the Commission, including Deputy Associate General Counsel, Legal Advisor to Chairman Joseph T. Kelliher, and attorney in the Solicitor's Office. Before joining FERC in 1997, Mr. Gasteiger was an attorney in the General Counsel's Office at the Commodity Futures Trading Commission, and from 1989 to 1991 he served as a law clerk for the Honorable Edwin M. Kosik in the United States District Court for the Middle District of Pennsylvania. Mr. Gasteiger is a graduate of the University of Pennsylvania and the Dickinson School of Law. He resides in Fairfax, Virginia with his wife and three children.

**Goldman, Charles**

Charles Goldman is a staff scientist for 30 years and Department Head of the Energy Analysis and Environmental Impacts Department at Lawrence Berkeley National Laboratory, a Department of Energy (DOE) national laboratory. He works on electricity markets and policy issues for the DOE's Offices of Electricity Delivery and Energy Reliability and Energy Efficiency and Renewable Energy. Mr. Goldman has published ~150 articles and reports on utility resource planning and resource acquisition, design of performance incentives for utilities, energy efficiency policy, programs, and technology analysis, demand response programs, dynamic pricing, and energy service company industry and market trends. He is currently Principal Investigator supporting DOE's technical assistance to state regulators on energy efficiency policy, programs and utility/regulatory business models as well as Smart Grid implementation issues. He holds an M.S. degree from the University of California Berkeley, Energy and Resources Group.



### **Gunning, Paul**

Paul Gunning has provided climate change leadership at the U.S. Environmental Protection Agency for over 16 years. He currently is the Director of the agency's Climate Change Division where he is responsible for a wide range of programs and activities concerning climate change policy, economics, mitigation, science and impacts, and communication. This includes rulemakings and collecting emissions data for the agency's Greenhouse Gas Reporting Program, assessing climate science and impacts for Clean Air Act regulatory actions, and managing domestic and international reduction programs, such as the Global Methane Initiative. Paul formerly served as the Chief of the Division's Non-CO2 Programs Branch, where he was responsible for a suite of domestic and international partnership programs, working with companies and organizations in the energy, waste management, agriculture, and industrial sectors to reduce GHG emissions through the implementation of cost-effective mitigation strategies.

### **Hansen, Lena**

Lena Hansen is a Principal with Rocky Mountain Institute's electricity practice. She co-leads RMI's Electricity Innovation Lab (e<sup>2</sup>Lab), a multi-year forum to develop innovative solutions to enable greater adoption of efficiency and renewables. Lena has experience in resource planning, carbon strategy, high-penetration variable renewable integration, and utility regulation and business models. She coauthored the electricity chapter of RMI's recent book *Reinventing Fire: Bold Business Solutions for a New Energy Era*. Lena holds a bachelor's degree in astrophysics from the University of North Carolina at Chapel Hill and a master's degree in environmental economics and policy from Duke University, with a focus on energy.

### **Hempstead, Jim**

Jim Hempstead is currently an Associate Managing Director in the Global Project and Infrastructure Finance Group. Jim joined Moody's in December 2002. He covers a portfolio of U.S.-based electric and natural gas utility companies limited and unregulated power companies. In 2011, Jim became responsible for coordinating the Project and Infrastructure Finance Group research and outreach strategy, efforts and resources. Prior to joining Moody's, Jim spent approximately four years with Merrill Lynch & Co., working in the Global Energy & Power Group, and provided financial and advisory services to electric, natural gas distribution, interstate pipeline, energy merchant, water and energy technology companies. Prior to joining Merrill Lynch, Jim spent approximately four years with Salomon Smith Barney Corporate Finance, working in their Global Energy & Power Group. Jim graduated with a B.S.B.A. from Villanova University and an M.B.A. from Fordham University. Jim is a member of the Wall Street Utility Group and the Society of Utility and Regulatory Financial Analysts.

### **Hildenbrant, Eric**

Eric Hildebrandt has worked in market monitoring at the California ISO for over 15 years. In this role, he has worked extensively on analyzing market performance, helping to design effective market rules, and – when necessary – investigating market power and manipulation. Dr. Hildebrandt led the Cal ISO's efforts in the various legal and regulatory proceedings stemming from the California energy crisis in 2000-2001. More recently, he has worked closely with the FERC Office of Enforcement on numerous cases which have been successfully settled – and appear to have played a role in giving rise to today's panel. He has a Ph.D. and Masters in Energy Management and Policy at the University of Pennsylvania, and a B.A in Economics from Colorado College.

### **Hogan, William**

William W. Hogan is the Raymond Plank Professor of Global Energy Policy at the Harvard Kennedy School and Research Director of the Harvard Electricity Policy Group. He served on the faculty of Stanford University, where he founded the Energy Modeling Forum, and is past president of the International Association for Energy Economics. Professor Hogan's research focuses on the interaction of energy economics and public policy, with an emphasis on the restructuring of the electricity industry. He has worked to design the market structures and market rules by which regional transmission organizations coordinate bid-based markets. Selected papers are available at [www.whogan.com](http://www.whogan.com).

**Holden, Mary-Anna**

Ms. Holden was confirmed as a member of the board in 2012. Prior to her nomination, Ms. Holden served as Mayor of the Borough of Madison, NJ for four years and Councilwoman for ten years. As Mayor and Councilwoman of Madison, Ms. Holden chaired and co-chaired every committee and department in the Borough, including electric and water utilities, public works, engineering, transportation and public safety. Ms. Holden was also chair of the Madison-Chatham Joint Meeting wastewater facility, and served for 11 years as a trustee of the New Jersey Historic Trust Fund. Ms. Holden is a member of the National Association of Regulatory Utilities Commissioners (NARUC) Water Committee and the NARUC Sub-Committee on Nuclear Issues –Waste Disposal.

**James, Alan**

Alan James is Chairman of Macquarie Capital energy infrastructure group which includes oil & gas midstream, utility, power and renewable sectors in the Americas. He is an energy and infrastructure specialist, with experience across principal investment, M&A, Debt and Equity Capital Markets, and in originating transactions for the Macquarie's infrastructure funds. With more than 25 years experience in Asia, Europe and the Americas, he has extensive relationships with industry, government, banks and equity (private equity, infrastructure, pension and sovereign funds) around the world. Prior to joining Macquarie in New York in 2005, Alan was Managing Director and Head of Investment Banking in Australia and New Zealand for both Citigroup (2002-2005) and Deutsche Bank (1991-2002). He was also Managing Director and Joint Global Head of Energy at Deutsche Bank during the integration with Bankers Trust. Earlier in his career, Alan worked within the Upstream Oil and Gas sector in North & South America, Europe, Asia and Australia including with Exxon Mobil and as a founding partner in a successful energy consulting firm.

**Johnson, Marva**

Marva Johnson is Corporate Vice President, Government and Industry Affairs for Bright House Networks. In this position, Johnson evaluates legislative and regulatory policy implications associated with the company's technological infrastructure, service delivery, and long-term strategy. She also works to establish and drive legislative and regulatory strategies for the company's video, voice and data services. Johnson reports to Kevin Hyman, Executive Vice President of Cable Operations at Bright House Networks. Prior to taking this role, Johnson served as acting VP for the Competitive Local Exchange Carrier (CLEC) Operations for Bright House Networks Information Services (BHNIS). Johnson joined Bright House Networks in 2006 as a key member of the team that brought the Bright House Networks CLEC forward from concept to operational reality. Johnson graduated from Georgetown University (BSBA), Emory University - Goizuetta Business School (MBA), and Georgia State University Law School (JD), and is a member of the State Bar of Georgia.

**Kane, Betty Ann**

Betty Ann Kane has served on the District of Columbia Public Service Commission since March 2007 and as Chairman since March 2009. She previously served three terms as a member of the DC City Council and as Executive Director of the DC Retirement Board. Chairman Kane is a member of the NARUC Board of Directors, a member of the NARUC Telecommunications Committee, a NARUC appointee to the Virtual Working Group on Education, Training and Best Practices for The International Confederation of Energy Regulators, and Chairman of the Board of the NRRI, the research arm of NARUC. She is a past President of MACRUC. Chairman Kane also serves in two FCC-appointed positions, as Chairman of the North American Numbering Council and as a member of the Joint Conference on Advanced Telecommunication Service.

**Kelliher, Joseph**

Joseph T. Kelliher is Executive Vice President, Federal Regulatory Affairs for NextEra Energy, Inc., responsible for managing federal regulatory matters for NextEra Energy and its principal subsidiaries, Florida Power & Light Company and NextEra Energy Resources. Mr. Kelliher was a member of the Federal Energy Regulatory Commission (FERC) between 2003 and 2009, serving as Chairman from 2005 to 2009. As Chairman, Mr. Kelliher implemented the Energy Policy Act of 2005 and pursued a reform agenda. Mr. Kelliher has spent his entire professional career working on energy policy matters in different public and private sector roles.

**Kiefer, Jack**

Dr. Jack Kiefer is an economist and geographer specializing in areas of water resources economics and planning, econometrics, and integrated water demand and supply planning and management. He has over 20 years of consulting experience and is a recognized expert in water demand analysis and forecasting. Dr. Kiefer currently serves as a senior-level strategist with Hazen and Sawyer and leads the firm's Water Resources Management group practice.

**Kiernan, Tom**

Tom Kiernan began as CEO of the American Wind Energy Association on May 28, 2013. Prior to that he spent 15 years as President of the National Parks Conservation Association. Kiernan, a native and long-time resident of Arlington, Va., graduated from Dartmouth College in 1981 with a degree in Environmental Computer Modeling. He began his career with the Nantahala and Rocky Mountain Outdoor Centers, and in 1984, joined Arthur Andersen & Co. as a Management Consultant. Tom left the firm after three years to pursue his MBA at Stanford Graduate School of Business. While at Stanford, he also served as Assistant to the Director of Oregon's Department of Environmental Quality. Upon completing his degree, Kiernan moved to Washington, D.C., to join the Environmental Protection Agency as Special Assistant to the Assistant Administrator.

**Kjellander, Paul**

Paul Kjellander rejoined the Idaho Public Utilities Commission in April 2011 following his service as Administrator of the Office of Energy Resources (OER). Kjellander, who serves as Commission President, previously served on the Commission from January 1999 until October 2007. He was elected to three terms (1994-1999) in the Idaho House of Representatives, where he served as a member of the House State Affairs, Judiciary and Rules, Ways and Means, Local Government and Transportation committees. During his last term in office, Kjellander was elected House Majority Caucus Chairman. Kjellander has also served as director of Boise State University's College of Applied Technology Distance Learning.

**Kriete, Debra**

Debra Kriete, Esq. serves as the South Dakota State E-rate Coordinator and advises E-rate applicants. She has been involved with E-rate since passage of The Telecommunications Act of 1996. She served on the staff of the Federal-State Joint Board and worked exclusively on developing the E-rate program rules. Then she was hired as the first general counsel of the E-rate administrator. Since 2004 she has been working in her legal practice that is devoted to E-rate matters on behalf of E-rate beneficiaries.

**Laborte, Cameryn**

Cameryn Laborte is an 8<sup>th</sup> grade student at Kamehameha Schools, Kapalama campus, island of Oahu. Kamehameha Schools is a private charitable education trust endowed by the will of Hawaiian Princess Bearnice Pauahi Bishop (1831 – 1884), the great-granddaughter of the last direct descendant of King Kamehameha I. As a result of Princess Pauahi's endowment, Cameryn is preserving the Hawaiian language and culture through her school's curriculum and community service projects. This past summer, Cameryn participated in a flight school for girls program at the Pacific Aviation Museum at Pearl Harbor and sponsored a student led exhibit on WWII cartoons and comics propaganda during the museum's Living History Day.

**Laborte, Carolyn**

Carolyn Laborte is an auditor with the Hawaii Public Utilities Commission. She has been with the Hawaii commission for 20 years. Due to the commission's small staff size, Carolyn has been involved in various dockets ranging from motor carrier, electricity, gas, telecommunications, water and wastewater. Carolyn became a member of the NARUC staff sub-committee on water in November of 2012. Born and raised on the island of Oahu, Carolyn graduated from the University of Hawaii with a degree in finance. In her spare time, Carolyn is the administrator for the International Wine and Food Society's Honolulu Chapter and an avid cookie decorator.

**Lange, Nancy**

Nancy Lange was appointed to the Minnesota Public Utilities Commission, March 4, 2012. She serves on the NARUC Committee on Energy Resources and the Environment. Ms. Lange previously served as Manager of Policy and Engagement at the Center for Energy and Environment. She also served as Director of the Energy Program at the Izaak Walton League of America. Ms. Lange authored numerous publications including *Season's End and Beyond Season's End: A Path Forward for Fish and Wildlife in an Era of Climate Change*, with the Bipartisan Policy Center. Ms. Lange holds a B.S. from Iowa State University and M.A. in Public Policy from the University of Minnesota.

**Lowe, Randall**

For more than 30 years, Randy has advised and worked with telecommunications companies. During his career, Randy was with AT&T and ITT where he represented its domestic and foreign communications subsidiaries, including one of the first competitive long distance telephone companies in the United States. Prior to joining Davis Wright Tremaine LLP, Randy was the Executive Vice-President and Chief Legal Officer of Prism Communications, Inc. and a member of its Office of the President, where he was charged with the deployment of a nationwide, integrated voice and broadband data network.

**Lloyd, Pam**

Dr. Pam Lloyd has spent the greater part of her career advocating for equitable broadband access for all students. She has first-hand knowledge of the technology needs of students and educators, having served as a teacher, district technology coordinator and, now, director for GCI SchoolAccess. Pam serves in industry leadership positions, including the Center for Interactive Learning and Collaboration, the International Society for Technology in Education and the United States Academic Decathlon. She also regularly presents at industry events, has been a college instructor on the use of educational technology and literacy and co-published *The 1:1 Guide Book for Leaders*.

**Manner, Jennifer**

Jennifer A. Manner is Vice President of Regulatory Affairs at EchoStar Corporation where she is responsible for the company's domestic and international regulatory and policy issues. Prior to this, Ms. Manner was Deputy Chief of the Office and Engineering and Technology and before that Deputy Chief of the FCC's Public Safety and Homeland Security Bureau where she has had a focus on broadband and other related issues. Ms. Manner previously worked as a Principal at ZComm Strategies LLC. Ms. Manner currently serves as an adjunct professor at Georgetown University Law Center and previously served as an adjunct professor of the Washington College of Law at American University. Ms. Manner has published several books on telecommunications issues and has written numerous law review articles.

**Mays, Carolene**

Carolene was appointed to the Indiana Utility Regulatory Commission in 2010. She serves on the National Association of Utility Regulatory Commissioners (NARUC) Water and Washington Action Committees, and is the Chairperson of the Critical Infrastructure Committee. She is President of the Mid-America Regulatory Conference (MARC). Previously, she was Publisher and President of the *Indianapolis Recorder Newspaper* and the *Indiana Minority Business Magazine*, as well as a television talk show host. Carolene also served in the Indiana House of Representatives from 2002 to 2008, where she received several Legislator of the Year awards. She was listed as a "Rising Star in Indiana Politics", one of "Indiana's Most Influential Women", and one of "Indy's Most Powerful".

**McCabe, Janet**

Janet McCabe is the Acting Assistant Administrator for the Office of Air and Radiation (OAR), having previously served as OAR's Principal Deputy to the Assistant Administrator. Prior to joining EPA in November 2009, Acting Assistant Administrator McCabe was Executive Director of Improving Kids' Environment, Inc., a children's environmental health advocacy organization based in Indianapolis, Indiana and was an adjunct faculty member at the Indiana University School of Medicine, Department of Public Health. From 1993 to 2005, Acting Assistant Administrator McCabe held several leadership positions in the Indiana Department of Environmental Management's Office of Air Quality and was the office's Assistant Commissioner from 1998 to 2005. Before coming to Indiana in 1993, Acting Assistant Administrator McCabe served as Assistant Attorney General for environmental protection for the Commonwealth of Massachusetts and Assistant Secretary for Environmental Impact Review. Acting Assistant Administrator McCabe grew up in Washington, D.C. and graduated from Harvard College in 1980 and Harvard Law School in 1983.

**Meyer, David**

David Meyer has worked on electricity policy issues at the Department of Energy for more than twenty-five years. He is a Senior Advisor in the Department's Office of Electricity Delivery and Energy Reliability, where he works on problems related to the modernization, expansion, reliability, and security of the electricity grids in the United States. David has a B.Sc. from Ohio State University and a Ph. D. from Johns Hopkins University.

**Mezey, Phillip**

Philip Mezey was appointed president and chief executive officer and named to Itron's board of directors on January 1, 2013. Mezey has served the company in several capacities during his career at Itron, most recently as chief operating officer for Itron's global Energy segment, with responsibility for the operations of Itron's electricity and gas businesses around the world. He also previously served as senior vice president and chief operating officer — Itron North America, group vice president and general manager, as well as senior vice president for Software Solutions. Upon Itron's acquisition of Silicon Energy in 2003, Mezey joined the company as managing director of Software Development for Itron's Energy Management Solutions group. Prior to joining Silicon Energy in 2000 as vice president, Software Development, Mezey was a founding member and served 12 years with Indus, a provider of integrated asset and customer management software. Mezey earned his BA degree in history from the University of California, Berkeley.

**Mickiewicz, Helen**

Helen M. Mickiewicz is an Assistant General Counsel at the California Public Utilities Commission. Since joining the Commission legal staff in 1986, she has practiced exclusively in the area of telecommunications at the state level, before the FCC, and in federal court. She has represented CPUC staff in a variety of administrative proceedings and has served as a commissioner's legal advisor. Ms. Mickiewicz currently represents the CPUC in federal administrative and federal court proceedings in which various provisions of the 1996 Federal Telecommunications Act and FCC policies are at issue, via both rulemaking and litigation. She also represents the CPUC before the California Legislature.

**Murray, Paul**

Paul Murray has been a nuclear engineer for 34 years. Paul, started his engineering career working on next generation nuclear submarine reactors. After 7 years he joined the United Kingdom Atomic Energy Authority where he worked at various European Reprocessing Facilities including, Dounreay in Scotland, Sellafield in England, Mol in Belgium, Karlsruhe in Germany and Saluggia in Italy. In 1996 he moved to North Carolina to support a Government to Government MOU for the transfer of nuclear technology from the UK to the US in support of DOE. After 21 years with UKAEA Paul joined AREVA in 2007.

**Ott, Andrew**

Andrew L. Ott is senior vice president of Markets for PJM Interconnection. He also serves as a board member for the Association of Power Exchanges, PJM Technologies and PJM Environmental Information Services. Mr. Ott has been with PJM for more than 15 years and is responsible for executive oversight of PJM's Market Operations, Market Strategy, Member Training, State Relations, Customer Relations and Performance Compliance divisions. He was responsible for design and implementation of PJM's wholesale electricity markets including: the PJM Locational Marginal Pricing, Financial Transmission Rights, Day-Ahead Energy Market and Capacity Market systems. Mr. Ott has extensive experience in energy market restructuring, including electricity market design and implementation issues, and in power-system engineering applications. Prior to joining PJM, Mr. Ott was employed by GPU for 13 years in transmission planning and operations. Mr. Ott received a Bachelor of Science in Electrical Engineering from Pennsylvania State University. He also received a Master of Science in Applied Statistics from Villanova University

**Peterman, Carla**

Commissioner Peterman was appointed to the California Public Utilities Commission in December 2012. Previously she served as a Commissioner with the California Energy Commission where she was lead Commissioner for renewables, transportation, and natural gas. Commissioner Peterman has conducted research at the University of California Energy Institute and the Lawrence Berkeley National Laboratory. Commissioner Peterman has also served as an associate in the Global Power group of Lehman Brothers. Commissioner Peterman has a Master of Science degree and a Master of Business Administration degree from Oxford University, where she was a Rhodes Scholar and holds a Bachelor of Arts in History from Howard University.

**Peters, Leonard**

Appointed by Gov. Steve Beshear in 2008 to oversee Kentucky's Energy and Environment Cabinet. Dr. Len Peters has developed and implemented Kentucky's first comprehensive strategic energy plan to address the state's energy needs in an environmentally sustainable and economically effective manner. He served at the Battelle Memorial Institute, a leading nonprofit applied science and technology development company, where he was senior vice president and director of the Pacific Northwest National Laboratory from 2003-2006. Dr. Peters has held senior academic and administrative positions at the University of Kentucky and Virginia Tech and has a doctorate in chemical engineering from the University of Pittsburgh.

**Redmond, Everett**

Everett Redmond is Senior Director, Nonproliferation and Fuel Cycle Policy at the Nuclear Energy Institute. In this role at NEI, he is responsible for coordinating industry policy and programs related to current and advanced fuel cycles, including both the front-end (mining, enriching, conversion, fabrication) and the back-end of the fuel cycle (storage and disposal), and nonproliferation. Prior to this role, he was responsible for generic regulatory matters related to commercial used fuel storage and transportation in the United States. Everett has been with NEI since October of 2006. Prior to joining NEI, Everett was a Principal Engineer at Holtec International from 1996 through 2006 and was responsible for the radiological design of their dry cask storage and transportation systems. Everett holds a Doctor of Philosophy from the Massachusetts Institute of Technology in Nuclear Engineering (1997).

**Scherman, Bill**

Bill Scherman is the Chair of Gibson Dunn's Energy, Regulation and Litigation practice. He is consistently recognized as a leading practitioner in energy law by publications including *Chambers USA*, *Chambers Global* and *Best Lawyers in America*®. A former General Counsel of the Federal Energy Regulatory Commission, Mr. Scherman advises companies on litigation, commercial, regulatory and legislative matters relating to the U.S. and international energy markets. He has litigated high-profile energy investigation and enforcement matters before the FERC and CFTC, as well as in the federal court. He also is heavily involved in merger and acquisition matters, and regularly advises on market power and market manipulation issues

**Schleimer, Steven**

Mr. Schleimer is currently Vice President of Governmental and Regulatory Affairs for Calpine, and has significant experience in in the Mid-Atlantic, Northeast, and Western Markets. From 2010-present, Mr. Schleimer has managed Calpine's presence in ISO, state regulatory, and legislative efforts on the East Coast. From 2000-2006, Mr. Schleimer managed Calpine's presence in ISO, state regulatory and legislative efforts on the West Coast. From 2006-2010, Mr. Schleimer worked in the Governmental Affairs group for Barclays Capital in New York where he was responsible for providing coverage of regulatory and legislative activities associated with energy and emissions market developments in the US. Mr. Schleimer started his career at Pacific Gas and Electric Company, where he worked for 12 years in various roles related to wholesale market restructuring, including active participation in the design and formation of both the CAISO and CalPX, as well as development and implementation of PG&E's initial long-term electricity procurement process.

**Smith, Marsha**

Marsha H. Smith is serving her fourth term on the Idaho PUC. Commissioner Smith is immediate past chair of the Western Electricity Coordinating Council (WECC) Board of Directors and represents Idaho on the Western Interconnection Regional Advisory Body and the State-Provincial Steering Committee. Smith is a past president of NARUC, serves on the NARUC Board and is a member and past chair of NARUC's Electricity Committee. She is also a member of the Steering Committee of the Northern Tier Transmission Group, chaired the Western Interstate Energy Board's Committee for Regional Electric Power Cooperation from October 1999 to October 2005 and is a member of the Idaho State Bar. Smith received a bachelor of science degree in biology/education from Idaho State University, a master of library science degree from Brigham Young University and her law degree from the University of Washington.

**Struthers, Brent**

Brent Struthers is the Senior Policy Advisor for Neustar Law & Public Policy. Brent began his career in telecommunications in 1995 working on telephone numbering issues for the Illinois Commerce Commission. In that role, he managed the Local Number Portability Trial, the FCC's national field trial, for the Illinois Commission. He also helped developed and oversee the nation's first number pooling trial in Chicago. He continued his work on numbering by joining Lockheed Martin, now Neustar, in 1999 as liaison to the states, a role he continues to serve today. While he has never left the numbering fold, he has picked up many other issues over the years as Neustar has delved into domain name administration, cyber security, privacy and IP interconnection. He has been married to his beautiful wife (Mercy) for 18 years and has two "perfect" teenage children.

**Thompson, Larry**

Larry is a registered professional engineer and CEO of Vantage Point Solutions. He holds a Bachelors degree in Physics from William Jewell College and a Masters degree in Electrical and Computer Engineering from the University of Kansas. He has been working in the telecommunications industry for more than 25 years. He spent several years designing satellite and ground stations. Larry was on the engineering team for the Tracking and Data Relay Satellite System (TDRSS), Geostationary Environmental Orbital Satellite (GOES) ground station, T-Star, and other satellite systems. Over the last several years Larry has helped hundreds of rural telecommunication companies be successful in this rapidly changing technical and regulatory environment. He has designed many wireless and wireline networks as he as assisted his clients in their transition from legacy TDM networks to broadband IP networks.

**Veach, Julie**

Julie Veach is Chief of the Wireline Competition Bureau. Before becoming Chief in July 2012, Ms. Veach served as Deputy General Counsel for the Commission, focusing on administrative and general law issues. Prior to joining the Office of General Counsel in 2009, she served as Deputy Chief of the Wireline Competition Bureau, where she led many of the Bureau's efforts involving broadband, competition, and data gathering and analysis. Ms. Veach held a variety of other positions in the Wireline Competition Bureau. Before joining the FCC in 2001, Ms. Veach was an associate with the law firm of Wilmer, Cutler & Pickering, and she clerked for the Hon. Michael S. Kanne of the U.S. Court of Appeals for the Seventh Circuit. She received her B.A. from Purdue University and graduated magna cum laude from the Indiana University School of Law-Bloomington.

**Williams, Erin**

Erin manages the Stormwater Billing and Incentives Program under the Environmental Services Division of the Philadelphia Water Department. Philadelphia is one of the leading major cities in the nation to implement a parcel-based fee for stormwater service, and to complement this billing methodology PWD has adopted a variety of credits and incentives programs. The Stormwater Billing and Incentives teams comprises both engineers and GIS analysts tasked with maintaining and enhancing a stormwater billing database, working with Philadelphia ratepayers, and pushing for incentives-based programs that benefit both PWD and its customer base. Before taking over this program Erin reviewed stormwater management plans for private development. Erin received a B.S. and M.S. in Environmental Engineering in 2008 from Drexel University located in Philadelphia where she focused on water resources and urban hydrology.

**Yackira, Michael**

Michael Yackira joined NV Energy in January 2003. He became Chief Executive Officer in August 2007. In February 2007, he was elected President and Chief Operating Officer and also to the Board of Directors. Yackira spent more than a decade as an executive with FPL Group, serving in several positions, including President of FPL Energy. He is the current Chairman of the Edison Electric Institute. A native of New York City, Yackira is married and resides in Las Vegas.